

# zowe

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Welcome to Zowe CLI!

Zowe CLI is a command line interface (CLI) that provides a simple and streamlined way to interact with IBM z/OS.

For additional Zowe CLI documentation, visit <https://docs.zowe.org>

For Zowe CLI support, visit <https://www.zowe.org>

## Options

- `--version` | `-v` (*boolean*)
  - Display the current version of Zowe CLI
- `--available-commands` | `--ac` (*boolean*)
  - Displays a list of available commands

## Global Options

- `--response-format-json` | `--rfj` (*boolean*)
  - Produce JSON formatted data from a command
- `--help` | `-h` (*boolean*)
  - Display help text
- `--help-web` | `--hw` (*boolean*)
  - Display HTML help in browser

## Table of Contents

- [auth](#)
  - [login | li](#)
    - [apiml](#)
  - [logout | lo](#)
    - [apiml](#)
- [cics](#)
  - [add-to-list | atl](#)
    - [csdGroup | csdg](#)
  - [define | def](#)
    - [program | prog](#)
    - [transaction | tran](#)
    - [urimap-client | uc](#)
    - [urimap-pipeline | up](#)
    - [urimap-server | us](#)
    - [webservice | web](#)
  - [delete | del](#)
    - [program | prog](#)
    - [transaction | tran](#)
    - [urimap](#)
    - [webservice | web](#)
  - [disable](#)
    - [urimap](#)
  - [discard | dis](#)
    - [program | prog](#)
    - [transaction | tran](#)
    - [urimap](#)
  - [enable | en](#)
    - [urimap](#)
  - [get](#)
    - [resource | res](#)
  - [install | ins](#)
    - [program | prog](#)
    - [transaction | tran](#)
    - [urimap](#)
  - [refresh | ref](#)
    - [program | prog](#)
  - [remove-from-list | rfl](#)
    - [csdGroup | csdg](#)

- config
  - auto-init
  - convert-profiles | convert
  - edit
  - import
  - init
  - list | ls
  - profiles
  - report-env | re
  - schema
  - secure
  - set
  - update-schemas | us
- daemon
  - disable
  - enable
  - restart
- db2
  - call
    - procedure | proc | sp
  - execute
    - sql
  - export
    - table
- dbm-db2 | dbm
  - check
    - ddl
  - compare
    - ddl
  - deploy
    - ddl
  - execute
    - compare-script
    - migration-script
    - script
  - generate
    - ddl
  - prepare
    - migration
- endeavor

- add
  - element | elem | ele
- approve | aprv
  - package | pkg
- backin
  - package | pkg
- backout
  - package | pkg
- cast
  - package | pkg
- check
  - instance
- commit
  - package | pkg
- confirm | conf
  - resolution | res
- create
  - package | pkg
- delete | del
  - element | elem | ele
  - package | pkg
- deny
  - package | pkg
- execute
  - package | pkg
- generate | gen
  - element | elem | ele
- initialize | init
  - workspace | wsp
- list
  - code-page-config | codepages | cdpq
  - defaults
  - dialog
  - elements | elem | ele
  - environments | environment | env
  - features
  - instances | instance | inst | i
  - packages | package | pkg | p
  - processor-groups | processor-group | pgrp
  - processor-symbols | processor-symbol | psym

- stages | stage | stg
- subsystems | subsystem | subsys | sbs
- symbols
- systems | system | sys | s
- tasks
- type-sequence | typeseq
- types | type | t
- merge | mrg
  - element | ele
- move | mv
  - element | elem | ele
- print | p
  - components | comp
  - element | elem | ele
  - member | mem
- queryacm
  - components | comp
- reset
  - package | pkg
- retrieve | ret
  - element | elem | ele
  - result | res
- signin | si
  - element | elem | ele
- submit
  - package | pkg
  - scl
- synchronize | sync
  - workspace | wsp
- transfer | tr
  - element | elem | ele
- unsynchronize | unsync
  - workspace | wsp
- update
  - element | elem | ele
  - package | pkg
- view
  - element | elem | ele
  - pkgsc | packagescl
- jclcheck | jck

- check | ck
  - data-set | ds
  - local-file | lf
- mat | mat
  - monitor
    - codeview
      - callerid | cil
      - csect | cs
      - histogram | hsg
      - module | mod
    - db2
      - db2view | db2v
      - sqlstmt | sql
    - delayview
      - address | ad
      - delay | de
    - history | hs
    - idms | idms
      - dml | dml
      - module | mod
      - task | ts
    - imsview | ims
      - dbdname | dbd
      - imsview | imsv
      - psbname | psb
      - region | reg
      - ssa | ssa
      - statement | stat
    - overview | ov
    - tranview | tr
      - all | all
      - callerid | cid
      - callstack | csk
      - csect | csd
      - delay | dl
      - module | mod
      - stat | cis
  - profile
    - create | cr
    - invoke | ivk

- list | lip
- mat-pma-util | pma
  - get | gt
    - alert | at
    - alert-by-job | abyj
    - perf | pf
  - scope | scp
    - del-job | delj
    - del-pgm | delp
    - exl-pgm | exlp
    - get-listj | getlj
    - get-listp | getlp
    - inc-job | incj
- mq
  - run
    - mqsc
- omspool | esf
  - issue | is
    - command | cmd
- omview | caview | cv
  - download | dl
    - report | r
  - export | exp
    - report | r
  - get
    - user
      - settings
  - list | ls
    - export-rules | rules
    - report | repo
      - index-names | indexes
      - index-values
      - logical-views | views
    - reports
    - repositories | repos
  - search | find
    - index
      - names
      - reports
      - values

- set
  - user
    - distribution
    - mode
- ops
  - create
    - event
  - disable
    - rule
  - enable
    - rule
  - execute
    - command
    - rexx
  - show
    - logname
    - resource
    - rule
    - ruleset
    - status
    - subsystem
    - table
  - start
    - resource
  - stop
    - resource
- plugins
  - install
  - list
  - show-first-steps | fs
  - uninstall
  - update
  - validate
- provisioning | pv
  - delete | del
    - instance | i
  - list | ls
    - catalog-templates | ct
    - instance-info | ii
    - instance-variables | iv

- registry-instances | ri
  - template-info | ti
- perform | perf
  - action | act
- provision | prov
  - template | tem
- sysview | sv
  - capture | cap
  - capture-immediate | cap-imm
  - check
    - status
  - display | dsp
  - execute | exe
- zos-console | console
  - collect
    - sync-responses | sr
  - issue
    - command | cmd
- zos-files | files
  - compare | cmp
    - data-set | ds
    - local-file-data-set | lf-ds
    - local-file-spool-dd | lf-sdd
    - local-file-uss-file | lf-uss
    - spool-dd | sdd
    - uss-files | uss | uf
  - copy | cp
    - data-set | ds
    - data-set-cross-lpar | dsclp
  - create | cre
    - data-set | ds
    - data-set-binary | bin
    - data-set-c | dsc
    - data-set-classic | classic
    - data-set-partitioned | pds
    - data-set-sequential | ps
    - data-set-vsam | vsam
    - uss-directory | dir
    - uss-file | file
    - zos-file-system | zfs

- delete | del
  - data-set | ds
  - data-set-vsam | vsam
  - migrated-data-set | mds
  - uss-file | uf | uss
  - zos-file-system | zfs
- download | dl
  - all-members | am
  - all-members-matching | amm | all-members-matching
  - data-set | ds
  - data-sets-matching | dsm | data-set-matching
  - uss-directory | uss-dir
  - uss-file | uf | uss
- edit | ed
  - data-set | ds
  - uss-file | uss | uf
- invoke | call
  - ams-file | af
  - ams-statements | as
- list | ls
  - all-members | am
  - data-set | ds
  - file-system | fs
  - uss-files | uf | uss
- migrate | hmigr | hMigrate
  - data-set | ds
- mount
  - file-system | fs
- recall | hrec | hRecall
  - data-set | ds
- rename
  - data-set | ds
  - data-set-member | dsm
- search
  - data-sets | ds
- unmount | umount
  - file-system | fs
- upload | ul
  - dir-to-pds | dtp
  - dir-to-uss | dtu

- file-to-data-set | ftds
  - file-to-uss | ftu
  - stdin-to-data-set | stds
- view | vw
  - data-set | ds
  - uss-file | uf
- zos-ftp | zftp
  - allocate | alloc
    - data-set | ds
  - delete | del
    - data-set | ds
    - job | j
    - uss-file | uss | uf
  - download | dl
    - all-spool-by-jobid | asbj
    - data-set | ds
    - uss-file | uss | uf
  - list | ls
    - data-set | ds
    - data-set-members | members
    - jobs | j | js
    - spool-files-by-jobid | sfbj
    - uss-files | uss | uf
  - make | mk
    - uss-directory | dir
  - rename | mv
    - data-set | ds
    - uss-file | uss | uf
  - submit | sub
    - data-set | ds
    - local-file | lf
    - stdin | si | in
  - upload | ul
    - file-to-data-set | ftds
    - file-to-uss-file | ftuf | ftu
    - stdin-to-data-set | stds
    - stdin-to-uss-file | stuf | stu
  - view | vw
    - all-spool-by-jobid | asbj
    - data-set | ds

- job-status-by-jobid | jsbj
- spool-file-by-id | sfbi
- uss-file | uss | uf
- zos-jobs | jobs
  - cancel | can
    - job
  - delete | del
    - job
    - old-jobs | oj
  - download | dl
    - output | o
  - list | ls
    - jobs | js
    - spool-files-by-jobid | sfbj
  - modify | mod
    - job
  - search | sea
    - job
  - submit | sub
    - data-set | ds
    - local-file | lf
    - stdin | in
    - uss-file | uf | uss
  - view | vw
    - all-spool-content | asc
    - job-status-by-jobid | jsbj
    - spool-file-by-id | sfbi
- zos-logs | logs
  - list | ls
    - logs
- zos-ssh | ssh | zos-uss | uss
  - issue | iss
    - command | cmd | ssh
- zos-tso | tso
  - issue
    - command | cmd
  - ping
    - address-space | as
  - receive | r
    - app | a

- send
  - address-space | as
  - app | a
- start | st
  - address-space | as
  - app | a
- stop | sp
  - address-space | as
- zos-workflows | wf
  - archive
    - active-workflow | aw
  - create | cre
    - workflow-from-data-set | wfds
    - workflow-from-local-file | wflf
    - workflow-from-uss-file | wfuf
  - delete | del
    - active-workflow | aw
    - archived-workflow | arw
  - list | ls
    - active-workflow-details | awd
    - active-workflows | aw
    - archived-workflows | arw
    - definition-file-details | dfd
  - start | sta
    - workflow-full | wf
    - workflow-step | ws
- zosmf
  - check
    - status
  - list
    - systems

## zowe › auth

---

Connect to Zowe API Mediation Layer authentication service and obtain a token, or disconnect from the authentication service and revoke the token.

The token provides authentication to services that support the API ML SSO (Single Sign-On) capability. When you log in, the token is stored in your default base profile until it expires. Base profiles store connection information shared by multiple services (e.g., z/OSMF), and are used if you do not supply connection information in a service profile. To take advantage of the API ML SSO capability, you should omit username and password in service profiles so that the token in the base profile is used.

## zowe › auth › login

---

Log in to an authentication service.

## zowe › auth › login › apiml

Log in to Zowe API Mediation Layer authentication service and obtain or update a token.

The token provides authentication to services that support the API ML SSO (Single Sign-On) capability. When you log in, the token is stored in your default base profile until it expires. Base profiles store connection information shared by multiple services (e.g., z/OSMF), and are used if you do not supply connection information in a service profile. To take advantage of the API ML SSO capability, you should omit username and password in service profiles so that the token in the base profile is used.

### Usage

```
zowe auth login apiml [options]
```

### Options

- `--show-token` | `--st` (*boolean*)
  - Show the token when login is successful. If specified, does not save the token to a profile.

### Base Connection Options

- `--host` | `-H` (*string*)

- Host name of service on the mainframe.
- `--port` | `-P` (*number*)
  - Port number of service on the mainframe.
- `--user` | `-u` (*string*)
  - User name to authenticate to service on the mainframe.
- `--password` | `--pass` | `--pw` (*string*)
  - Password to authenticate to service on the mainframe.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Examples

- Log in to an API ML instance to obtain or update the token stored in your base profile:
  - `zowe auth login apiml`
- Log in to an API ML instance to obtain a token without storing it in a profile:
  - `zowe auth login apiml --show-token`

## zowe › auth › logout

---

Log out of an authentication service.

## zowe › auth › logout › apiml

Log out of the Zowe API Mediation Layer authentication service and revoke the token so it can no longer authenticate. Also remove the token from the default base profile, if it is stored on disk.

### Usage

```
zowe auth logout apiml [options]
```

### Base Connection Options

- `--host` | `-H` (*string*)
  - Host name of service on the mainframe.
- `--port` | `-P` (*number*)
  - Port number of service on the mainframe.
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

Allowed values: apimlAuthenticationToken.\*, jwtToken, LtpaToken2

- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true

### Profile Options

- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Examples

- Log out of an API ML instance to revoke the token that was in use and remove it from your base profile:
  - `zowe auth logout apiml`
- Log out of an API ML instance to revoke a token that was not stored in a profile:
  - `zowe auth logout apiml --token-value <token>`

## zowe › cics

---

Interact with IBM CICS programs and transactions.

## zowe › cics › add-to-list

---

Add new resources (for example, CSD Groups to CSD Lists) to CICS through IBM CMCI.

## zowe › cics › add-to-list › csdGroup

Add a CSD Group to a CICS CSD List.

### Usage

```
zowe cics add-to-list csdGroup <name> <csdList> [options]
```

### Positional Arguments

- `name` (*string*)
  - The name of the CSD Group to add. The maximum length of the CSD Group name is eight characters
- `csdList` (*string*)
  - The name of the CSD List to add the group to. The maximum length of the CSD List name is eight characters

### Options

- `--region-name` (*string*)
  - The CICS region name to which to add the CSD Group to the CSD List
- `--cics-plex` (*string*)
  - The name of the CICSplex to which to add the CSD Group to the CSD List

### Cics Connection Options

- `--host` | `-H` (*string*)
  - The CICS server host name.

- `--port` | `-P` (*number*)
  - The CICS server port.

Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (CICS) user name, which can be the same as your TSO login.
- `--password` | `--pw` (*string*)
  - Mainframe (CICS) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--protocol` | `-o` (*string*)
  - Specifies CMCI protocol (http or https).

Default value: https  
Allowed values: http, https

## Profile Options

- `--cics-profile` | `--cics-p` (*string*)
  - The name of a (cics) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Add the CSD Group MYGRP to the CSD List MYLIST in the region named MYREG:
  - `zowe cics add-to-list csdGroup MYGRP MYLIST --region-name MYREG`

## zowe › cics › define

---

Define new resources (for example, programs) to CICS through IBM CMCI.

### zowe › cics › define › program

Define a new program to CICS.

## Usage

```
zowe cics define program <programName> <csdGroup> [options]
```

## Positional Arguments

- `programName` (*string*)
  - The name of the new program to define. The maximum length of the program name is eight characters.
- `csdGroup` (*string*)
  - The CICS system definition (CSD) Group for the new program that you want to define. The maximum length of the group name is eight characters.

## Options

- `--region-name` (*string*)

- The CICS region name to which to define the new program
- `--cics-plex` (*string*)
  - The name of the CICSplex to which to define the new program

## Cics Connection Options

- `--host` | `-H` (*string*)
  - The CICS server host name.
- `--port` | `-P` (*number*)
  - The CICS server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (CICS) user name, which can be the same as your TSO login.
- `--password` | `--pw` (*string*)
  - Mainframe (CICS) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--protocol` | `-o` (*string*)
  - Specifies CMCI protocol (http or https).  
Default value: https  
Allowed values: http, https

## Profile Options

- `--cics-profile` | `--cics-p` (*string*)
  - The name of a (cics) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Define a program named PGM123 to the region name MYREGION in the CSD group MYGRP:
  - `zowe cics define program PGM123 MYGRP --region-name MYREGION`

## [zowe](#) › [cics](#) › [define](#) › [transaction](#)

Define a new transaction to CICS.

### Usage

```
zowe cics define transaction <transactionName> <programName> <csdGroup> [options]
```

### Positional Arguments

- `transactionName` (*string*)
  - The name of the new transaction to define. The maximum length of the transaction name is four characters.
- `programName` (*string*)

- The name of the program that the transaction uses. The maximum length of the program name is eight characters.
- `csdGroup` (*string*)
  - The CICS system definition (CSD) Group for the new transaction that you want to define. The maximum length of the group name is eight characters.

## Options

- `--region-name` (*string*)
  - The CICS region name to which to define the new transaction
- `--cics-plex` (*string*)
  - The name of the CICSplex to which to define the new transaction

## Cics Connection Options

- `--host` | `-H` (*string*)
  - The CICS server host name.
- `--port` | `-P` (*number*)
  - The CICS server port.

Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (CICS) user name, which can be the same as your TSO login.
- `--password` | `--pw` (*string*)
  - Mainframe (CICS) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--protocol` | `-o` (*string*)
  - Specifies CMCI protocol (http or https).

Default value: https

Allowed values: http, https

## Profile Options

- `--cics-profile` | `--cics-p` (*string*)
  - The name of a (cics) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Define a transaction named TRN1 for the program named PGM123 to the region named MYREGION in the CSD group MYGRP:
  - `zowe cics define transaction TRN1 PGM123 MYGRP --region-name MYREGION`

## [zowe](#) › [cics](#) › [define](#) › [urimap-client](#)

Define a new URIMAP of type client to CICS. This acts as an HTTP(S) client

## Usage

```
zowe cics define urimap-client <urimapName> <csdGroup> [options]
```

## Positional Arguments

- `urimapName` (*string*)
  - The name of the URIMAP to create. The maximum length of the urimap name is eight characters.
- `csdGroup` (*string*)
  - The CICS system definition (CSD) Group for the new urimap that you want to define. The maximum length of the group name is eight characters.

## Required Options

- `--urimap-path` | `--up` (*string*)
  - The path component of the URI.
- `--urimap-host` | `--uh` (*string*)
  - The host component of the URI.

## Options

- `--urimap-scheme` | `--us` (*string*)
  - The scheme component to be used with the request (http or https).

Default value: https  
Allowed values: http, https
- `--authenticate` | `--auth` (*string*)
  - The authentication and identification scheme to be used for client URIMAPs.

Allowed values: NO, BASIC
- `--certificate` | `--cert` (*string*)
  - The label of a certificate in the keyring that is to be used as the client certificate in SSL handshakes
- `--description` | `--desc` (*string*)

- Description of the URIMAP resource being defined.
- `--region-name` (*string*)
  - The CICS region name to which to define the new URIMAP.
- `--cics-plex` (*string*)
  - The name of the CICSplex to which to define the new URIMAP.
- `--enable` (*boolean*)
  - Whether or not the URIMAP is to be enabled on install by default.

Default value: true

### Cics Connection Options

- `--host` | `-H` (*string*)
    - The CICS server host name.
  - `--port` | `-P` (*number*)
    - The CICS server port.
- Default value: 443
- `--user` | `-u` (*string*)
    - Mainframe (CICS) user name, which can be the same as your TSO login.
  - `--password` | `--pw` (*string*)
    - Mainframe (CICS) password, which can be the same as your TSO password.

- `--reject-unauthorized` | `--ru` (*boolean*)

- Reject self-signed certificates.

Default value: true

- `--protocol` | `-o` (*string*)

- Specifies CMCI protocol (http or https).

Default value: https

Allowed values: http, https

## Profile Options

- `--cics-profile` | `--cics-p` (*string*)
  - The name of a (cics) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Define a URIMAP named URIMAPA to the region named MYREGION in the CSD group MYGRP where the host is www.example.com and the path is /example/index.html:
  - `zowe cics define urimap-client URIMAPA MYGRP --urimap-path /example/index.html --urimap-host www.example.com --region-name MYREGION`

## [zowe](#) › [cics](#) › [define](#) › [urimap-pipeline](#)

Define a new URIMAP of type pipeline to CICS. This processes incoming HTTP(S) requests

### Usage

```
zowe cics define urimap-pipeline <urimapName> <csdGroup> [options]
```

## Positional Arguments

- `urimapName` (*string*)
  - The name of the URIMAP to create. The maximum length of the urimap name is eight characters.
- `csdGroup` (*string*)
  - The CICS system definition (CSD) Group for the new urimap that you want to define. The maximum length of the group name is eight characters.

## Required Options

- `--urimap-path` | `--up` (*string*)
  - The path component of the URI.
- `--urimap-host` | `--uh` (*string*)
  - The host component of the URI.
- `--pipeline-name` | `--pn` (*string*)
  - The name of the PIPELINE resource definition for the URIMAP. The maximum length of the pipeline name is eight characters.

## Options

- `--urimap-scheme` | `--us` (*string*)
  - The scheme component to be used with the request (http or https).

Default value: https  
Allowed values: http, https
- `--description` | `--desc` (*string*)
  - Description of the URIMAP resource being defined.
- `--transaction-name` | `--tn` (*string*)
  - The name of the TRANSACTION resource definition for the URIMAP. The maximum length of the transaction name is four characters.
- `--webservice-name` | `--wn` (*string*)

- The name of the WEBSERVICE resource definition for the URIMAP. The maximum length of the transaction name is 32 characters.
- `--tcpip-service` | `--tcpip` *(string)*
  - The TCPIP SERVICE to which the URIMAP definition applies.
- `--region-name` *(string)*
  - The CICS region name to which to define the new URIMAP.
- `--cics-plex` *(string)*
  - The name of the CICS Plex to which to define the new URIMAP.
- `--enable` *(boolean)*
  - Whether or not the URIMAP is to be enabled on install by default.

Default value: true

### Cics Connection Options

- `--host` | `-H` *(string)*
  - The CICS server host name.
- `--port` | `-P` *(number)*
  - The CICS server port.

Default value: 443
- `--user` | `-u` *(string)*
  - Mainframe (CICS) user name, which can be the same as your TSO login.
- `--password` | `--pw` *(string)*
  - Mainframe (CICS) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` *(boolean)*
  - Reject self-signed certificates.

Default value: true
- `--protocol` | `-o` *(string)*

- Specifies CMCI protocol (http or https).

Default value: https

Allowed values: http, https

## Profile Options

- `--cics-profile` | `--cics-p` (*string*)
  - The name of a (cics) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Define a URIMAP named URIMAPA for the pipeline named PIPE123 to the region named MYREGION in the CSD group MYGRP where the host is www.example.com and the path is /example/index.html:
  - `zowe cics define urimap-pipeline URIMAPA MYGRP --urimap-path /example/index.html --urimap-host www.example.com --pipeline-name PIPE123 --region-name MYREGION`

## zowe › cics › define › urimap-server

Define a new URIMAP of type server to CICS. This acts as an HTTP(S) server

### Usage

```
zowe cics define urimap-server <urimapName> <csdGroup> [options]
```

### Positional Arguments

- `urimapName` (*string*)
  - The name of the URIMAP to create. The maximum length of the urimap name is eight characters.
- `csdGroup` (*string*)
  - The CICS system definition (CSD) Group for the new urimap that you want to define. The maximum length of the group name is eight characters.

### Required Options

- `--urimap-path` | `--up` (*string*)
  - The path component of the URI.
- `--urimap-host` | `--uh` (*string*)
  - The host component of the URI.
- `--program-name` | `--pn` (*string*)
  - The application program that makes or handles the requests.

### Options

- `--urimap-scheme` | `--us` (*string*)
  - The scheme component to be used with the request (http or https).

Default value: https  
Allowed values: http, https
- `--description` | `--desc` (*string*)
  - Description of the URIMAP resource being defined.

- `--tcpip-service` | `--tcpip` (*string*)
  - The TCPIP SERVICE to which the URIMAP definition applies.
- `--region-name` (*string*)
  - The CICS region name to which to define the new URIMAP.
- `--cics-plex` (*string*)
  - The name of the CICS Plex to which to define the new URIMAP.
- `--enable` (*boolean*)
  - Whether or not the URIMAP is to be enabled on install by default.

Default value: true

### Cics Connection Options

- `--host` | `-H` (*string*)
  - The CICS server host name.
- `--port` | `-P` (*number*)
  - The CICS server port.

Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (CICS) user name, which can be the same as your TSO login.
- `--password` | `--pw` (*string*)
  - Mainframe (CICS) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--protocol` | `-o` (*string*)
  - Specifies CMCI protocol (http or https).

Default value: https

Allowed values: http, https

## Profile Options

- `--cics-profile` | `--cics-p` (*string*)
  - The name of a (cics) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Define a URIMAP named URIMAPA for the program named PGM123 to the region named MYREGION in the CSD group MYGRP where the host is www.example.com and the path is /example/index.html:
  - ```
zowe cics define urimap-server URIMAPA MYGRP --urimap-path /example/index.html --urimap-host www.example.com --program-name PGM123 --region-name MYREGION
```

Define a new web service to CICS.

## Usage

```
zowe cics define webservice <webserviceName> <csdGroup> [options]
```

## Positional Arguments

- `webserviceName` (*string*)
  - The name of the WEBSERVICE to create. The maximum length of the web service name is eight characters.
- `csdGroup` (*string*)
  - The CICS system definition (CSD) Group for the new web service that you want to define. The maximum length of the group name is eight characters.

## Required Options

- `--pipeline-name` | `--pn` (*string*)
  - The name of the PIPELINE resource definition for the web service. The maximum length of the pipeline name is eight characters
- `--wsbind` (*string*)
  - The file name of the web service binding file on HFS.

## Options

- `--description` | `--desc` (*string*)
  - Description of the web service resource being defined.
- `--validation` (*boolean*)
  - Specifies whether full validation of SOAP messages against the corresponding schema in the web service description should be performed at run time.

Default value: false

- `--wsdlfile` | `--wsdl` (*string*)
  - The file name of the web service description (WSDL) file on HFS.
- `--region-name` (*string*)

- The CICS region name to which to define the new web service.
- `--cics-plex` (*string*)
  - The name of the CICSplex to which to define the new web service.

## Cics Connection Options

- `--host` | `-H` (*string*)
  - The CICS server host name.
- `--port` | `-P` (*number*)
  - The CICS server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (CICS) user name, which can be the same as your TSO login.
- `--password` | `--pw` (*string*)
  - Mainframe (CICS) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--protocol` | `-o` (*string*)
  - Specifies CMCI protocol (http or https).  
Default value: https  
Allowed values: http, https

## Profile Options

- `--cics-profile` | `--cics-p` (*string*)
  - The name of a (cics) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Define a webservice named WEBSVCA for the pipeline named PIPE123 to the region named MYREGION in the CSD group MYGRP where the binding file is /u/exampleapp/wsbind/example.log:
  - ```
zowe cics define webservice WEBSVCA MYGRP --pipeline-name PIPELINE --wsbind /u/exampleapp/wsbind/example.log --region-name MYREGION
```

## zowe › cics › delete

---

Delete resources (for example, programs) from CICS through IBM CMCI.

### zowe › cics › delete › program

Delete a program from CICS.

### Usage

```
zowe cics delete program <programName> <csdGroup> [options]
```

### Positional Arguments

- `programName` (*string*)
  - The name of the program to delete. The maximum length of the program name is eight characters.
- `csdGroup` (*string*)
  - The CICS system definition (CSD) Group for the program that you want to delete. The maximum length of the group name is eight characters.

## Options

- `--region-name` (*string*)
  - The CICS region name from which to delete the program
- `--cics-plex` (*string*)
  - The name of the CICSplex from which to delete the program

## Cics Connection Options

- `--host` | `-H` (*string*)
  - The CICS server host name.
- `--port` | `-P` (*number*)
  - The CICS server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (CICS) user name, which can be the same as your TSO login.
- `--password` | `--pw` (*string*)
  - Mainframe (CICS) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--protocol` | `-o` (*string*)

- Specifies CMCI protocol (http or https).

Default value: https

Allowed values: http, https

## Profile Options

- `--cics-profile` | `--cics-p` (*string*)
  - The name of a (cics) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search [Troubleshooting PEM Certificates in Zowe Docs](#).
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Delete a program named PGM123 from the region named MYREGION:
  - `zowe cics delete program PGM123 --region-name MYREGION`

## [zowe](#) › [cics](#) › [delete](#) › [transaction](#)

Delete a transaction from CICS.

## Usage

zowe cics delete transaction <transactionName> <csdGroup> [options]

## Positional Arguments

- `transactionName` (*string*)
  - The name of the transaction to delete. The maximum length of the transaction name is four characters.
- `csdGroup` (*string*)
  - The CICS system definition (CSD) Group for the transaction that you want to delete. The maximum length of the group name is eight characters.

## Options

- `--region-name` (*string*)
  - The CICS region name from which to delete the transaction
- `--cics-plex` (*string*)
  - The name of the CICSplex from which to delete the transaction

## Cics Connection Options

- `--host` | `-H` (*string*)
  - The CICS server host name.
- `--port` | `-P` (*number*)
  - The CICS server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (CICS) user name, which can be the same as your TSO login.
- `--password` | `--pw` (*string*)
  - Mainframe (CICS) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)

- Reject self-signed certificates.

Default value: true

- `--protocol` | `-o` (*string*)

- Specifies CMCI protocol (http or https).

Default value: https

Allowed values: http, https

## Profile Options

- `--cics-profile` | `--cics-p` (*string*)

- The name of a (cics) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)

- The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)

- The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

- `--token-value` | `--tv` (*string*)

- The value of the token to pass to the API.

- `--cert-file` (*local file path*)

- The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)

- The file path to a certificate key file to use for authentication

## Examples

- Delete a transaction named TRN1 from the region named MYREGION:

- `zowe cics delete transaction TRN1 MYGRP --region-name MYREGION`

## **zowe › cics › delete › urimap**

Delete a urimap from CICS.

### **Usage**

`zowe cics delete urimap <urimapName> <csdGroup> [options]`

### **Positional Arguments**

- `urimapName` (*string*)
  - The name of the urimap to delete. The maximum length of the urimap name is eight characters.
- `csdGroup` (*string*)
  - The CICS system definition (CSD) Group for the urimap that you want to delete. The maximum length of the group name is eight characters.

### **Options**

- `--region-name` (*string*)
  - The CICS region name from which to delete the urimap

### **Cics Connection Options**

- `--host` | `-H` (*string*)
  - The CICS server host name.
- `--port` | `-P` (*number*)
  - The CICS server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (CICS) user name, which can be the same as your TSO login.
- `--password` | `--pw` (*string*)
  - Mainframe (CICS) password, which can be the same as your TSO password.

- `--reject-unauthorized` | `--ru` (*boolean*)

- Reject self-signed certificates.

Default value: true

- `--protocol` | `-o` (*string*)

- Specifies CMCI protocol (http or https).

Default value: https

Allowed values: http, https

## Profile Options

- `--cics-profile` | `--cics-p` (*string*)

- The name of a (cics) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)

- The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)

- The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

- `--token-value` | `--tv` (*string*)

- The value of the token to pass to the API.

- `--cert-file` (*local file path*)

- The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)

- The file path to a certificate key file to use for authentication

## Examples

- Delete a urimap named URIMAPA from the region named MYREGION belonging to the csdgroup MYGRP:

- `zowe cics delete urimap URIMAPA MYGRP --region-name MYREGION`

## [zowe](#) › [cics](#) › [delete](#) › [webservice](#)

Delete a web service from CICS.

### Usage

`zowe cics delete webservice <webserviceName> <csdGroup> [options]`

### Positional Arguments

- `webserviceName` (*string*)
  - The name of the web service to delete. The maximum length of the web service name is eight characters.
- `csdGroup` (*string*)
  - The CICS system definition (CSD) Group for the web service that you want to delete. The maximum length of the group name is eight characters.

### Options

- `--region-name` (*string*)
  - The CICS region name from which to delete the web service

### Cics Connection Options

- `--host` | `-H` (*string*)
  - The CICS server host name.
- `--port` | `-P` (*number*)
  - The CICS server port.

Default value: 443

- `--user` | `-u` (*string*)
  - Mainframe (CICS) user name, which can be the same as your TSO login.

- `--password` | `--pw` (*string*)
  - Mainframe (CICS) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--protocol` | `-o` (*string*)
  - Specifies CMCI protocol (http or https).

Default value: https  
Allowed values: http, https

## Profile Options

- `--cics-profile` | `--cics-p` (*string*)
  - The name of a (cics) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)

- The file path to a certificate key file to use for authentication

## Examples

- Delete a web service named WEBSVCA from the region named MYREGION belonging to the csdgroup MYGRP:
  - `zowe cics delete webservice WEBSVCA MYGRP --region-name MYREGION`

## zowe › cics › disable

---

Disable resources (for example, urimaps) from CICS through IBM CMCI.

### zowe › cics › disable › urimap

Disable a urimap from CICS.

## Usage

```
zowe cics disable urimap <urimapName> [options]
```

## Positional Arguments

- `urimapName` (*string*)
  - The name of the urimap to disable. The maximum length of the urimap name is eight characters.

## Options

- `--region-name` (*string*)
  - The CICS region name in which to disable the urimap

## Cics Connection Options

- `--host` | `-H` (*string*)
  - The CICS server host name.
- `--port` | `-P` (*number*)
  - The CICS server port.

Default value: 443

- `--user` | `-u` (*string*)
  - Mainframe (CICS) user name, which can be the same as your TSO login.
- `--password` | `--pw` (*string*)
  - Mainframe (CICS) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--protocol` | `-o` (*string*)
  - Specifies CMCI protocol (http or https).

Default value: https  
Allowed values: http, https

## Profile Options

- `--cics-profile` | `--cics-p` (*string*)
  - The name of a (cics) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Disable a urimap named URIMAPA from the region named MYREGION:
  - `zowe cics disable urimap URIMAPA --region-name MYREGION`

## zowe › cics › discard

---

Discard resources (for example, programs) from CICS through IBM CMCI.

### zowe › cics › discard › program

Discard a program from CICS.

## Usage

```
zowe cics discard program <programName> [options]
```

## Positional Arguments

- `programName` (*string*)
  - The name of the program to discard. The maximum length of the program name is eight characters.

## Options

- `--region-name` (*string*)
  - The CICS region name from which to discard the program
- `--cics-plex` (*string*)
  - The name of the CICSplex from which to discard the program

## Cics Connection Options

- `--host` | `-H` (*string*)

- The CICS server host name.
- `--port` | `-P` (*number*)
  - The CICS server port.
  - Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (CICS) user name, which can be the same as your TSO login.
- `--password` | `--pw` (*string*)
  - Mainframe (CICS) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.
  - Default value: true
- `--protocol` | `-o` (*string*)
  - Specifies CMCI protocol (http or https).
  - Default value: https
  - Allowed values: http, https

## Profile Options

- `--cics-profile` | `--cics-p` (*string*)
  - The name of a (cics) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)

- The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Discard a program named PGM123 from the region named MYREGION:
  - `zowe cics discard program PGM123 --region-name MYREGION`

## zowe › cics › discard › transaction

Discard a transaction from CICS.

## Usage

```
zowe cics discard transaction <transactionName> [options]
```

## Positional Arguments

- `transactionName` (*string*)
  - The name of the transaction to discard. The maximum length of the transaction name is four characters.

## Options

- `--region-name` (*string*)
  - The CICS region name from which to discard the transaction
- `--cics-plex` (*string*)
  - The name of the CICSplex from which to discard the transaction

## Cics Connection Options

- `--host` | `-H` (*string*)
  - The CICS server host name.
- `--port` | `-P` (*number*)
  - The CICS server port.

Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (CICS) user name, which can be the same as your TSO login.
- `--password` | `--pw` (*string*)
  - Mainframe (CICS) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--protocol` | `-o` (*string*)
  - Specifies CMCI protocol (http or https).

Default value: https  
Allowed values: http, https

## Profile Options

- `--cics-profile` | `--cics-p` (*string*)
  - The name of a (cics) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Discard a transaction named TRN1 from the region named MYREGION:
  - `zowe cics discard transaction TRN1 --region-name MYREGION`

## [zowe](#) › [cics](#) › [discard](#) › [urimap](#)

Discard a urimap from CICS.

## Usage

```
zowe cics discard urimap <urimapName> [options]
```

## Positional Arguments

- `urimapName` (*string*)
  - The name of the urimap to discard. The maximum length of the urimap name is eight characters.

## Options

- `--region-name` (*string*)
  - The CICS region name from which to discard the urimap

## Cics Connection Options

- `--host` | `-H` (*string*)

- The CICS server host name.
- `--port` | `-P` (*number*)
  - The CICS server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (CICS) user name, which can be the same as your TSO login.
- `--password` | `--pw` (*string*)
  - Mainframe (CICS) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--protocol` | `-o` (*string*)
  - Specifies CMCI protocol (http or https).  
Default value: https  
Allowed values: http, https

## Profile Options

- `--cics-profile` | `--cics-p` (*string*)
  - The name of a (cics) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)

- The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Discard a urimap named URIMAPA from the region named MYREGION:
  - `zowe cics discard urimap URIMAPA --region-name MYREGION`

## zowe › cics › enable

---

Enable resources (for example, urimaps) from CICS through IBM CMCI.

### zowe › cics › enable › urimap

Enable a urimap from CICS.

## Usage

```
zowe cics enable urimap <urimapName> [options]
```

## Positional Arguments

- `urimapName` (*string*)
  - The name of the urimap to enable. The maximum length of the urimap name is eight characters.

## Options

- `--region-name` (*string*)
  - The CICS region name in which to enable the urimap

## Cics Connection Options

- `--host` | `-H` (*string*)
  - The CICS server host name.
- `--port` | `-P` (*number*)
  - The CICS server port.

Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (CICS) user name, which can be the same as your TSO login.
- `--password` | `--pw` (*string*)
  - Mainframe (CICS) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--protocol` | `-o` (*string*)
  - Specifies CMCI protocol (http or https).

Default value: https  
Allowed values: http, https

## Profile Options

- `--cics-profile` | `--cics-p` (*string*)
  - The name of a (cics) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Enable a urimap named URIMAPA from the region named MYREGION:
  - `zowe cics enable urimap URIMAPA --region-name MYREGION`

## zowe › cics › get

---

Get resources (for example, programs or transactions) from CICS through IBM CMCI.

### zowe › cics › get › resource

Get resources (for example, programs or transactions) from CICS.

## Usage

```
zowe cics get resource <resourceName> [options]
```

## Positional Arguments

- `resourceName` (*string*)
  - The name of the resource to get.

## Options

- `--region-name` | `--rn` (*string*)
  - The CICS region name from which to get the resources
- `--cics-plex` | `--cp` (*string*)

- The name of the CICSplex from which to get the resources
- `--criteria` | `-c` (*string*)
  - The criteria by which to filter the resource
- `--parameter` | `-p` (*string*)
  - The parameter by which to refine the resource

## Cics Connection Options

- `--host` | `-H` (*string*)
  - The CICS server host name.
- `--port` | `-P` (*number*)
  - The CICS server port.

Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (CICS) user name, which can be the same as your TSO login.
- `--password` | `--pw` (*string*)
  - Mainframe (CICS) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--protocol` | `-o` (*string*)
  - Specifies CMCI protocol (http or https).

Default value: https  
Allowed values: http, https

## Profile Options

- `--cics-profile` | `--cics-p` (*string*)
  - The name of a (cics) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '`--response-format-type`' to reduce the output of a command to a single field/property or a list of a single field/property.

- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
    - table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.
    - list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.

object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.

string: Formats output data as a string. JSON objects/arrays are stringified.

Allowed values: table, list, object, string

- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- Get program resources from the region named MYREGION:
  - `zowe cics get resource CICSProgram --region-name MYREGION`
- Get local transaction resources from the region named MYREGION:
  - `zowe cics get resource CICSLocalTransaction --region-name MYREGION`
- Get local file resources from the region named MYREGION:
  - `zowe cics get resource CICSLocalFile --region-name MYREGION`
- Get program definition resources from the CSD group named GRP1 and the region named MYREGION:
  - `zowe cics get resource CICSDefinitionProgram --region-name MYREGION --parameter "CSDGROUP(GRP1)"`
- Get transaction definition resources from the CSD group named GRP1 and the region named MYREGION:
  - `zowe cics get resource CICSDefinitionTransaction --region-name MYREGION --parameter "CSDGROUP(GRP1)"`
- Get URIMap definition resources from the CSD group named GRP1 and the region named MYREGION:
  - `zowe cics get resource CICSDefinitionURIMap --region-name MYREGION --parameter "CSDGROUP(GRP1)"`
- Get program resources that start with the name PRG from the region named MYREGION:

- `zowe cics get resource CICSProgram --region-name MYREGION --criteria "PROGRAM=PRG*"`
- Get a local transaction resource named TRAN from the region named MYREGION:
  - `zowe cics get resource CICSLocalTransaction --region-name MYREGION --criteria "TRANID=TRAN"`
- Get program resources that start with the name MYPRG from the region named MYREGION and display various fields as a table:
  - `zowe cics get resource CICSProgram --region-name MYREGION --criteria "PROGRAM=MYPRG*" --rft table --rfh --rff program length status`

## zowe › cics › install

---

Install resources (for example, programs) to CICS through IBM CMCI.

### zowe › cics › install › program

Install a program to CICS.

#### Usage

```
zowe cics install program <programName> <csdGroup> [options]
```

#### Positional Arguments

- `programName` (*string*)
  - The name of the program to install. The maximum length of the program name is eight characters.
- `csdGroup` (*string*)
  - The CICS system definition (CSD) Group for the program that you want to install. The maximum length of the group name is eight characters.

#### Options

- `--region-name` (*string*)
  - The CICS region name to which to install the program
- `--cics-plex` (*string*)

- The name of the CICSplex to which to install the program

## Cics Connection Options

- `--host` | `-H` (*string*)
  - The CICS server host name.
- `--port` | `-P` (*number*)
  - The CICS server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (CICS) user name, which can be the same as your TSO login.
- `--password` | `--pw` (*string*)
  - Mainframe (CICS) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--protocol` | `-o` (*string*)
  - Specifies CMCI protocol (http or https).  
Default value: https  
Allowed values: http, https

## Profile Options

- `--cics-profile` | `--cics-p` (*string*)
  - The name of a (cics) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Install a program named PGM123 to the region named MYREGION in the CSD group MYGRP:
  - `zowe cics install program PGM123 MYGRP --region-name MYREGION`

## [zowe](#) › [cics](#) › [install](#) › [transaction](#)

Install a transaction to CICS.

## Usage

```
zowe cics install transaction <transactionName> <csdGroup> [options]
```

## Positional Arguments

- `transactionName` (*string*)
  - The name of the transaction to install. The maximum length of the transaction name is four characters.
- `csdGroup` (*string*)
  - The CICS system definition (CSD) Group for the transaction that you want to install. The maximum length of the group name is eight characters.

## Options

- `--region-name` (*string*)
  - The CICS region name to which to install the transaction
- `--cics-plex` (*string*)
  - The name of the CICSplex to which to install the transaction

## Cics Connection Options

- `--host` | `-H` (*string*)
  - The CICS server host name.
- `--port` | `-P` (*number*)
  - The CICS server port.  
  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (CICS) user name, which can be the same as your TSO login.
- `--password` | `--pw` (*string*)
  - Mainframe (CICS) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--protocol` | `-o` (*string*)
  - Specifies CMCI protocol (http or https).  
  
Default value: https  
Allowed values: http, https

## Profile Options

- `--cics-profile` | `--cics-p` (*string*)
  - The name of a (cics) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Install a transaction named TRN1 to the region named MYREGION in the CSD group MYGRP:
  - `zowe cics install transaction TRN1 MYGRP --region-name MYREGION`

## [zowe](#) › [cics](#) › [install](#) › [urimap](#)

Install a urimap to CICS.

## Usage

```
zowe cics install urimap <urimapName> <csdGroup> [options]
```

## Positional Arguments

- `urimapName` (*string*)

- The name of the urimap to install. The maximum length of the urimap name is eight characters.
- `csdGroup` (*string*)
  - The CICS system definition (CSD) Group for the urimap that you want to install. The maximum length of the group name is eight characters.

## Options

- `--region-name` (*string*)
  - The CICS region name to which to install the urimap

## Cics Connection Options

- `--host` | `-H` (*string*)
  - The CICS server host name.
- `--port` | `-P` (*number*)
  - The CICS server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (CICS) user name, which can be the same as your TSO login.
- `--password` | `--pw` (*string*)
  - Mainframe (CICS) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--protocol` | `-o` (*string*)
  - Specifies CMCI protocol (http or https).  
Default value: https  
Allowed values: http, https

## Profile Options

- `--cics-profile` | `--cics-p` (*string*)
  - The name of a (cics) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Install a urimap named URIMAPA to the region named MYREGION belonging to the csdgroup MYGRP:
  - `zowe cics install urimap URIMAPA CSDGROUP --region-name MYREGION`

## [zowe](#) › [cics](#) › [refresh](#)

---

Refresh a program on CICS through IBM CMCI.

## [zowe](#) › [cics](#) › [refresh](#) › [program](#)

Refresh a program on CICS.

## Usage

zowe cics refresh program <programName> [options]

## Positional Arguments

- `programName` (*string*)
  - The name of the program to refresh. The maximum length of the program name is eight characters.

## Options

- `--region-name` (*string*)
  - The CICS region name on which you want to refresh the program
- `--cics-plex` (*string*)
  - The name of the CICSplex on which to refresh the program

## Cics Connection Options

- `--host` | `-H` (*string*)
  - The CICS server host name.
- `--port` | `-P` (*number*)
  - The CICS server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (CICS) user name, which can be the same as your TSO login.
- `--password` | `--pw` (*string*)
  - Mainframe (CICS) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--protocol` | `-o` (*string*)

- Specifies CMCI protocol (http or https).

Default value: https

Allowed values: http, https

## Profile Options

- `--cics-profile` | `--cics-p` (*string*)
  - The name of a (cics) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Refresh a program named PGM123 from the region named MYREGION:
  - `zowe cics refresh program PGM123 --region-name MYREGION`

## [zowe](#) › [cics](#) › [remove-from-list](#)

---

Remove resources (for example, CSD Groups in CSD Lists) from CICS through IBM CMCI.

## zowe › cics › remove-from-list › csdGroup

Remove a CSD Group from a CICS CSD List.

### Usage

```
zowe cics remove-from-list csdGroup <name> <csdList> [options]
```

### Positional Arguments

- `name` (*string*)
  - The name of the CSD Group to remove. The maximum length of the CSD Group name is eight characters
- `csdList` (*string*)
  - The name of the CSD List to remove the group from. The maximum length of the CSD List name is eight characters

### Options

- `--region-name` (*string*)
  - The CICS region name to which to remove the CSD Group from the CSD List
- `--cics-plex` (*string*)
  - The name of the CICSplex to which to remove the CSD Group from the CSD List

### Cics Connection Options

- `--host` | `-H` (*string*)
  - The CICS server host name.
- `--port` | `-P` (*number*)
  - The CICS server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (CICS) user name, which can be the same as your TSO login.
- `--password` | `--pw` (*string*)

- Mainframe (CICS) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.
  - Default value: true
- `--protocol` | `-o` (*string*)
  - Specifies CMCI protocol (http or https).
  - Default value: https
  - Allowed values: http, https

### Profile Options

- `--cics-profile` | `--cics-p` (*string*)
  - The name of a (cics) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

### Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.
  - Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Remove the CSD Group MYGRP from the CSD List MYLIST in the region named MYREG:
  - `zowe cics remove-from-list csdGroup MYGRP MYLIST --region-name MYREG`

## zowe › config

---

Manage JSON project and global configuration.

### zowe › config › auto-init

Automatically generate a config from APIML.

#### Usage

zowe config auto-init [options]

#### Automatic Config Initialization Options

- `--user-config` | `--uc` (*boolean*)
  - Save config in the user layer
  - Default value: false
- `--global-config` | `--gc` (*boolean*)
  - Save config in the global layer
  - Default value: false
- `--dry-run` | `--dr` | `--dry` (*boolean*)
  - Display the outcome of the initialization without saving
- `--edit` | `-e` (*boolean*)
  - Open in editor after initializing the configuration
- `--overwrite` | `--ow` (*boolean*)
  - Replaces an existing configuration with a new configuration
  - Default value: false
- `--for-sure` | `-f` (*boolean*)
  - Confirms the overwrite option
  - Default value: false

## Options

- `--editor` | `--ed` (*string*)
  - Editor that overrides the default editor for this file type. Set the option to the editor's executable file location or the program's name: ie "--editor notepad"

## APIML Connection Options

- `--host` | `-H` (*string*)
  - Host name of the mainframe running the API Mediation Layer.
- `--port` | `-P` (*number*)
  - Port number of API Mediation Layer on the mainframe.
- `--user` | `-u` (*string*)
  - User name to authenticate to the API Mediation Layer on the mainframe.
- `--password` | `--pass` | `--pw` (*string*)
  - Password to authenticate to the API Mediation Layer on the mainframe.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API Mediation Layer. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API Mediation Layer.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use to authenticate to the API Mediation Layer
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use to authenticate to the API Mediation Layer

## Profile Options

- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## [zowe](#) › [config](#) › [convert-profiles](#)

Convert v1 profiles to a global zowe.config.json file.

### Usage

`zowe config convert-profiles [options]`

### Options

- `--prompt` (*boolean*)
  - Prompt for confirmation. Use `--no-prompt` to disable prompting.  
Default value: true
- `--delete` (*boolean*)
  - Delete the existing profiles on disk and any securely stored secrets.

### Examples

- Convert V1 profiles to a new Zowe client configuration without prompting:
  - `zowe config convert-profiles --no-prompt`
- Convert V1 profiles to a new Zowe client configuration and delete the old V1 profiles:
  - `zowe config convert-profiles --delete`

## [zowe](#) › [config](#) › [edit](#)

Edit an existing config file in your system's default text editor.

In a graphical environment, the application associated with JSON files will be launched. In a command-line environment, vi will be launched. To override the command-line editor used, specify it with the `--editor` option.

### Usage

zowe config edit [options]

## Options

- `--global-config` | `--gc` (*boolean*)
  - Target the global config files.  
Default value: false
- `--user-config` | `--uc` (*boolean*)
  - Target the user config files.  
Default value: false
- `--editor` | `--ed` (*string*)
  - Editor that overrides the default editor for this file type. Set the option to the editor's executable file location or the program's name: ie "--editor notepad".

## Examples

- Edit global config file:
  - `zowe config edit --global-config`

## [zowe](#) › [config](#) › [import](#)

Import config files from another location on disk or from an Internet URL.

If the config ``$schema`` property points to a relative path, the schema will also be imported.

## Usage

zowe config import <location> [options]

## Positional Arguments

- `location` (*string*)
  - File path or URL to import from.

## Options

- `--global-config` | `--gc` (*boolean*)

- Target the global config files.

Default value: false

- `--user-config` | `--uc` (*boolean*)

- Target the user config files.

Default value: false

- `--overwrite` | `--ow` (*boolean*)

- Overwrite config file if one already exists.

Default value: false

## Connection Options

- `--user` | `-u` (*string*)

- User name if authentication is required to download the config from a URL.

- `--password` | `--pass` | `--pw` (*string*)

- Password if authentication is required to download the config from a URL.

- `--reject-unauthorized` | `--ru` (*boolean*)

- Reject self-signed certificates if config is downloaded from an HTTPS URL.

Default value: true

## Examples

- Import config from local file on disk:

- `zowe config import ~/Downloads/zowe.config.json`

- Import global config from Internet URL:

- `zowe config import https://example.com/zowe.config.json --global-config`

## [zowe](#) › [config](#) › [init](#)

Initialize config files. Defaults to initializing "zowe.config.json" in the current working directory unless otherwise specified.

Use "--user-config" to init "zowe.config.user.json". Use "--global-config" to initialize the configuration files in your home "~/.zowe" directory.

Use "--no-prompt" to skip prompting for values in a CI environment.

## Usage

```
zowe config init [options]
```

## Options

- `--global-config` | `--gc` (*boolean*)
  - Target the global config files.  
Default value: false
- `--user-config` | `--uc` (*boolean*)
  - Target the user config files.  
Default value: false
- `--prompt` (*boolean*)
  - Prompt for missing values in the base profile. Useful for disabling prompting in CI environments.  
Default value: true
- `--overwrite` | `--ow` (*boolean*)
  - Replace existing config files instead of merging the new changes.
- `--for-sure` | `--fs` (*boolean*)
  - Confirms the overwrite option.  
Default value: false
- `--dry-run` | `--dr` | `--dry` (*boolean*)
  - Display the outcome of the initialization without saving it.
- `--edit` | `-e` (*boolean*)
  - Open in editor after initializing the configuration.

- `--editor` | `--ed` (*string*)
  - Editor that overrides the default editor for this file type. Set the option to the editor's executable file location or the program's name: ie "`--editor notepad`".

## Examples

- Initialize configuration files in your home "`~/zowe`" directory:
  - `zowe config init --global-config`
- Do a dry run of initializing configuration files in your home "`~/zowe`" directory:
  - `zowe config init --global-config --dry-run`
- Initialize the user config files:
  - `zowe config init --user-config`
- Initialize the user config files and do not prompt for secure values:
  - `zowe config init --user-config --prompt false`
- Do a dry run of initializing the user config files and do not prompt for secure values:
  - `zowe config init --user-config --prompt false --dry-run`
- Overwrite any existing global config files:
  - `zowe config init --global-config --overwrite --for-sure`
- Overwrite any existing user config files:
  - `zowe config init --user-config --overwrite --for-sure`

## [zowe](#) › [config](#) › [list](#)

List config properties.

### Usage

```
zowe config list [property] [options]
```

### Positional Arguments

- `property` (*string*)

- The config property to list. Blank to list all properties.

## Options

- `--locations` (*boolean*)
  - Separate the config properties into their respective config file locations. Helpful to determine where configuration value is specified.
- `--name-only` | `--root` (*boolean*)
  - List only the names of root level property names. For example, specify in addition to '`--locations`' to get a list of config file paths only.

## Examples

- List property names for a specified config property:
  - `zowe config list "defaults"`
- List only root level property names for a specified config property:
  - `zowe config list "defaults" --name-only`
- List config properties by separating them by their respective config file locations:
  - `zowe config list --locations`
- List only the root level configuration property names:
  - `zowe config list --name-only`
- List only the root level configuration property names by separating them by their respective config file locations:
  - `zowe config list --locations --name-only`

## [zowe](#) › [config](#) › [profiles](#)

Displays profile paths.

### Usage

```
zowe config profiles [options]
```

### Examples

- Display profile paths:
  - `zowe config profiles`

## [zowe](#) › [config](#) › [report-env](#)

Reports key items from your environment and identifies problem conditions.

### Usage

`zowe config report-env [options]`

### Examples

- Report information and issues about your working environment:
  - `zowe config report-env`
- Save the report about your working environment to a file:
  - `zowe config report-env > report.log`

## [zowe](#) › [config](#) › [schema](#)

Dumps the JSON schema for the config. The schema is dynamically created based on your available plugins. Direct the output of this command to a file and include in your config with '\$schema' property to get editor completion.

### Usage

`zowe config schema [options]`

### Examples

- Display the JSON schema for the config:
  - `zowe config schema`

## [zowe](#) › [config](#) › [secure](#)

Prompt for secure configuration properties.

### Usage

`zowe config secure [options]`

## Options

- `--global-config` | `--gc` (*boolean*)
  - Secure properties in global config.

Default value: false
- `--user-config` | `--uc` (*boolean*)
  - Secure properties in user config.

Default value: false
- `--prune` | `-p` (*boolean*)
  - Delete properties stored in the vault for Zowe client config files that do not exist.

Default value: false
- `--profile` | `--pf` (*string*)
  - Specify the profile for which you want to configure secure values.

## Examples

- Secure the properties in global config:
  - `zowe config secure --global-config`
- Secure the properties in user config:
  - `zowe config secure --user-config`

## [zowe](#) › [config](#) › [set](#)

Create or update a configuration property.

### Usage

```
zowe config set <property> [value] [options]
```

### Positional Arguments

- `property` (*string*)

- The property to set. You may specify a path using dot notation (e.g. profiles.host1.profiles.service1.properties.setting).
- `value` (*string*)
  - The property value to set. The value may be JSON. Use '--json' to indicate.

## Options

- `--global-config` | `--gc` (*boolean*)
  - Set the property in global config.  
Default value: false
- `--user-config` | `--uc` (*boolean*)
  - Set the property in user config.  
Default value: false
- `--json` (*boolean*)
  - The property value is JSON.  
Default value: false
- `--secure` (*boolean*)
  - Store the property value securely. If omitted, any property named in the secure array of the config file will be saved securely.

## Examples

- Set the property in global config:
  - `zowe config set "profiles.host1.profiles.service1.properties.setting" "value" --global-config`
- Set the property in user config:
  - `zowe config set "profiles.host1.profiles.service2.properties.setting" "value" --user-config`
- Set property value to JSON:

- `zowe config set "profiles.host1.profiles.service3.properties.setting" '{"property":"value"}' --json`
- Store the property value:
  - `zowe config set "profiles.host1.profiles.service1.properties.setting" "value" --secure`
- Set a default zosmf profile:
  - `zowe config set "defaults.zosmf" "zosmfProfileName"`
- Set a default tso profile:
  - `zowe config set "defaults.tso" "tsoProfileName"`

## [zowe](#) › [config](#) › [update-schemas](#)

Update schema files by looking up the directory structure.

Schema files up in higher level directories will always be updated. To also update schema files down in lower level directories, specify the `--depth` flag.

### Usage

```
zowe config update-schemas [options]
```

### Options

- `--depth` (*number*)
  - Specifies how many levels down the directory structure should the schemas be updated.

Default value: 0

### Examples

- Update all schema files found in higher level directories:
  - `zowe config update-schemas`
- Update all schema files found in higher level directories and 2 levels down the directory structure:
  - `zowe config update-schemas --depth 2`

## zowe › daemon

---

Perform operations that control the daemon-mode functionality of the Zowe CLI. Daemon-mode runs the CLI command processor as a daemon to improve performance.

### zowe › daemon › disable

Disable daemon-mode operation of the Zowe CLI.

#### Usage

```
zowe daemon disable [options]
```

#### Examples

- Disable daemon-mode:
  - `zowe daemon disable`

### zowe › daemon › enable

Enable daemon-mode operation of the Zowe CLI. You only need to run the enable command once after each new installation of the Zowe CLI. Afterwards, any zowe command will automatically start a daemon as needed.

#### Usage

```
zowe daemon enable [options]
```

#### Examples

- Enable daemon-mode:
  - `zowe daemon enable`

### zowe › daemon › restart

Restart the Zowe CLI daemon.

#### Usage

```
zowe daemon restart [options]
```

## Examples

- Restart daemon:
  - `zowe daemon restart`

## zowe › db2

---

Interact with IBM Db2 for z/OS

## zowe › db2 › call

---

Call a Db2 stored procedure

### zowe › db2 › call › procedure

Call a Db2 stored procedure. Specify the stored procedure name and optionally provide values.

#### Usage

```
zowe db2 call procedure <routine> [options]
```

#### Positional Arguments

- `routine` (*string*)
  - The name of a Db2 stored procedure

#### Options

- `--parameters` | `-p` (*array*)
  - Values to bind to the stored procedure parameters

#### DB2 Connection Options

- `--host` | `-H` (*string*)
  - The Db2 server host name
- `--port` | `-P` (*number*)
  - The Db2 server port number
- `--user` | `-u` (*string*)
  - The Db2 user ID (may be the same as the TSO login)
- `--password` | `--pass` | `--pw` (*string*)

- The Db2 password (may be the same as the TSO password)
- `--database` | `--db` (*string*)
  - The name of the database
- `--sslFile` | `--ssl` (*string*)
  - Path to an SSL Certificate file

## Profile Options

- `--db2-profile` | `--db2-p` (*string*)
  - The name of a (db2) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Call stored procedure DEMO.SP1:
  - `zowe db2 call procedure "DEMO.SP1"`
- Call a stored procedure and pass values for parameter indicators:
  - `zowe db2 call procedure "DEMO.SP2(?, ?)" --parameters "Hello" "world!"`
- Call a stored procedure and pass values for two output parameters. The first output requires a 2-character buffer. The second output is a message that will be truncated to the length of the placeholder.:
  - `zowe db2 call procedure "DEMO.SP3(NULL, ?, ?)" --parameters "00"  
"message_placeholder_message_placeholder"`

## zowe › db2 › execute

---

Execute SQL queries against a Db2 region and retrieve the response. Enclose the query in quotes and escape any symbols that have a special meaning to the shell.

## zowe › db2 › execute › sql

Execute one or multiple SQL statements separated by a semicolon from a command line or from a file.

### Usage

```
zowe db2 execute sql [options]
```

### Options

- `--query` | `-q` (*string*)
  - The SQL statement verbatim to execute
- `--file` | `-f` (*string*)
  - A local file containing the SQL statements to execute

### DB2 Connection Options

- `--host` | `-H` (*string*)

- The Db2 server host name
- `--port` | `-P` (*number*)
  - The Db2 server port number
- `--user` | `-u` (*string*)
  - The Db2 user ID (may be the same as the TSO login)
- `--password` | `--pass` | `--pw` (*string*)
  - The Db2 password (may be the same as the TSO password)
- `--database` | `--db` (*string*)
  - The name of the database
- `--sslFile` | `--ssl` (*string*)
  - Path to an SSL Certificate file

## Profile Options

- `--db2-profile` | `--db2-p` (*string*)
  - The name of a (db2) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.
  - Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Execute a dummy SQL query:
  - `zowe db2 execute sql --query "SELECT 'Hello World' FROM SYSIBM.SYSDUMMY1"`
- Retrieve the employees table and total number of rows:
  - `zowe db2 execute sql -q "SELECT * FROM SAMPLE.EMP; SELECT COUNT(*) AS TOTAL FROM SAMPLE.EMP"`
- Execute a file with SQL statements:
  - `zowe db2 execute sql --file backup_sample_database.sql`

## zowe › db2 › export

---

Export data from a Db2 table

### zowe › db2 › export › table

Export a Db2 table to the stdout or a file.

#### Usage

```
zowe db2 export table <table> [options]
```

#### Positional Arguments

- `table` (*string*)
  - The name of the table to export

#### Options

- `--outfile` | `-o` (*string*)
  - The path to the output file
- `--separator` | `--sep` (*string*)
  - Specify whether to add a separator between statements when exporting a table

## DB2 Connection Options

- `--host` | `-H` (*string*)
  - The Db2 server host name
- `--port` | `-P` (*number*)
  - The Db2 server port number
- `--user` | `-u` (*string*)
  - The Db2 user ID (may be the same as the TSO login)
- `--password` | `--pass` | `--pw` (*string*)
  - The Db2 password (may be the same as the TSO password)
- `--database` | `--db` (*string*)
  - The name of the database
- `--sslFile` | `--ssl` (*string*)
  - Path to an SSL Certificate file

## Profile Options

- `--db2-profile` | `--db2-p` (*string*)
  - The name of a (db2) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--reject-unauthorized` | `--ru` (*boolean*)

- Reject self-signed certificates.

Default value: true

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Export employees data from the table SAMPLE.EMP and save it to the file 'employees.sql':
  - `zowe db2 export table SAMPLE.EMP --outfile employees.sql`

## zowe › dbm-db2

---

DBM-Db2 plug-in to interact with Db2 using the Broadcom Database Management Solutions for Db2 for z/OS.

For details about command usage for automation, see DBM-Db2 samples at <https://github.com/BroadcomMFD/dbm\-db2\-for\-zowe\-cli>

## zowe › dbm-db2 › check

---

Perform DDL syntax checking.

### zowe › dbm-db2 › check › ddl

Validate the syntax of input DDL and optionally verify Db2 object dependencies. Use this command to ensure that the syntax of the input DDL is valid. You can also optionally verify that the objects to be created do not exist on the Db2 subsystem and that the related objects that are required for successful creation of the objects exist on the Db2 subsystem or in the input DDL. You can generate input DDL using the 'zowe dbm generate ddl' command.

For details about command usage for automation, see DBM-Db2 samples at <https://github.com/BroadcomMFD/dbm\-db2\-for\-zowe\-cli>

### Usage

```
zowe dbm-db2 check ddl <local-input-ddl-filename> [options]
```

### Positional Arguments

- `local-input-ddl-filename` (*string*)
  - Specifies the local input file that contains the DDL statements for the Db2 objects that you want to validate on a target subsystem. Typically, this file is created by a 'zowe dbm generate ddl' command or retrieved from an archive. You can edit this file.

### Required Options

- `--target-db2` | `--td` (*string*)
  - Specifies the target Db2 subsystem or data sharing group where you want to use a command.

Note: If you specify the data sharing group, the first active Db2 subsystem in the group is used.

## Options

- `--verify` | `-v` (*string*)

- Specifies whether to verify that the objects to be created do not exist on the Db2 subsystem and that the related objects that are required for successful creation of the objects exist on the Db2 subsystem or in the input DDL.

Default value: no

Allowed values: yes, no

- `--error-file` | `--ef` (*string*)

- Specifies the local output error file in YAML format. The file contains basic execution information, connection details, dbm-db2 profile parameters, used arguments, and errors that occurred during execution of the command.

Default value: error.log

- `--modification` | `-m` (*string*)

- Specifies a named set of server-managed default parameter values that control the execution behavior of the zowe dbm-db2 commands. For example, you can use a modification to identify a set of default values that differ from the current set of default values.

For more information about using the modification option, see the DBM Data Service documentation at <https://techdocs.broadcom.com/db2mgmt>

## Profile Options

- `--dbm-db2-options-profile` | `--dbm-db2-options-p` (*string*)

- The name of a (dbm-db2-options) profile to load for this command execution.

- `--dbm-db2-profile` | `--dbm-db2-p` (*string*)

- The name of a (dbm-db2) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)

- The name of a (base) profile to load for this command execution.

## DBM-Db2 Connection Options

- `--protocol` (*string*)
  - Specifies the communication protocol between zowe dbm-db2 client and DBM Data Service.  
  
Allowed values: http, https
- `--environment-list` | `--el` (*string*)
  - Specifies a string of one or more entries consisting of a Db2 subsystem ID and a DBM Data Service REST API server host name or TCP/IP address. Use a comma to separate entries. The same Db2 subsystem can be used in multiple DBM Data Service environments. For more information about configuring the DBM Data Service, see the Database Management Solutions for Db2 for z/OS documentation at <https://techdocs.broadcom.com/db2mgmt>
- `--job-cards` | `--jc` (*array*)
  - Specifies a string array of z/OS JCL JOB statements.
- `--work-dataset-prefix` | `--wdp` (*string*)
  - Specifies the prefix (high-level qualifier) in z/OS work data set names.
- `--delete-work-datasets` | `--dwd` (*boolean*)
  - Specifies whether to delete work data sets on a mainframe after the request is fulfilled.
- `--overwrite-output-files` | `--oof` (*boolean*)
  - Specifies whether to overwrite output files if they exist.
- `--authid` | `-a` (*string*)
  - Specifies the primary Db2 authorization ID that is used to establish a connection between Db2 and a process.
- `--sqlid` | `-s` (*string*)
  - Specifies the authorization ID that is used in generated SET CURRENT SQLID statements.
- `--base-path` | `--bp` (*string*)

- The base path for your API mediation layer instance. Specify this option to prepend the base path to all DBM DS resources when making REST requests. Do not specify this option if you are not using an API mediation layer.

## Base Connection Options

- `--host` | `-H` (*string*)
  - Host name of service on the mainframe.
- `--port` | `-P` (*number*)
  - Port number of service on the mainframe.
- `--user` | `-u` (*string*)
  - User name to authenticate to service on the mainframe.
- `--password` | `--pass` | `--pw` (*string*)
  - Password to authenticate to service on the mainframe.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Validate DDL statement syntax of the DDL statements in the sample.sql file on the 'TEST' Db2 subsystem:
  - `zowe dbm-db2 check ddl sample.sql --target-db2 TEST`
- Validate DDL statement syntax and verify object dependencies:
  - `zowe dbm-db2 check ddl sample.sql --target-db2 TEST --verify yes`

## zowe › dbm-db2 › compare

---

Compare DDL with a Db2 subsystem and produce an update script to implement changes.

### zowe › dbm-db2 › compare › ddl

Compare objects that are defined in a DDL file to objects that are defined on a Db2 subsystem and generate an update script to implement the necessary object changes. This command also generates a high-level change summary report and a parseable impact analysis report. You can execute the script that is generated from this command using the 'zowe dbm execute compare-script' command.

For details about command usage for automation, see DBM-Db2 samples at <https://github.com/BroadcomMFD/dbm\-db2\-for\-zowe\-cli>

## Usage

```
zowe dbm-db2 compare ddl <local-input-ddl-filename> [options]
```

## Positional Arguments

- `local-input-ddl-filename` (*string*)
  - Specifies the local input file that contains DDL statements for the Db2 objects that you want to compare to Db2 objects on a target subsystem. Typically, this file is created by a 'zowe dbm generate ddl' command or retrieved from an archive. You can edit this file.

## Required Options

- `--target-db2` | `--td` (*string*)
  - Specifies the target Db2 subsystem or data sharing group where you want to use a command.

Note: If you specify the data sharing group, the first active Db2 subsystem in the group is used.

## Options

- `--match-set` | `--ms` (*string*)
  - Specifies the creator and name of an existing RC/Migrator automapping mask set. Matching is used to pair objects in a DDL file to objects that are defined on a Db2 subsystem. Matching determines whether the 'change-set' or 'rule-set' options are applied.

Format:

<match-set-creator.match-set-name>

For more information about mask services, see the RC/Migrator documentation at <https://techdocs.broadcom.com/db2rcmig>

Note: If `--match-set` and `--match-set-file` are both specified, specifications in `match-set-file` take precedence.

- `--match-set-file` | `--msf` (*string*)
  - Specifies the name of the local input file that contains the mapping mask specifications. Matching is used to pair objects in a DDL file to objects that are defined on a Db2 subsystem. For example, a mask specification can account for different schema naming patterns across environments. Matching determines whether the 'change-set' or 'rule-set' options are applied.

Format:

<object-type> <source-name-mask> <target-name-mask>;

STOGROUP <name> <name>

DATABASE <name> <name>

TABLESPACE <database.name> <database.name>

TABLE <schema.name> <schema.name>

INDEX <schema.name> <schema.name>

VIEW <schema.name> <schema.name>

SYNONYM <schema.name> <schema.name>

ALIAS <schema.name> <schema.name>

TRIGGER <schema.name> <schema.name>

SEQUENCE <schema.name> <schema.name>

FUNCTION <schema.name[.version]> <schema.name[.version]>  
PROCEDURE <schema.name[.version]> <schema.name[.version]>

Note:

- <name> must be between 1 and 128 characters. For DATABASE and TABLESPACE, <name> must be between 1 and 8 characters.
- <schema> must be between 1 and 128 characters.
- <version> must be between 1 and 64 characters.

A mask specification can include the following wildcard characters:

Percent sign (%) indicates that zero or more characters can occupy that position and all remaining positions to the end of the name, or to the next character. The percent sign can be used anywhere in the name. However, the source and target characters must match exactly.

Hyphen or dash (-) indicates that any character can occupy that position, but a character must exist at that position, and the source and target character must match exactly. The hyphen can be repeated in several places in the name.

Asterisk (\*) indicates matching values. An asterisk cannot be used with other characters.

Use a semicolon to separate mask specifications. Multiple mask specifications for the same object type are supported.

Example:

The following example demonstrates different ways of matching the table MYNAME.MYTABLE to the table YOURNAME.YOURTABLE:

```
TABLE MY%.%TABLE YOUR%.%TABLE;  
TABLE MYN-M-.MYT% YOURN-M-.YOURT%;  
TABLE MYNAME.MYTABLE YOURNAME.YOURTABLE;  
TABLE *.MYTABLE *.YOURTABLE;
```

For a list of mask specifications, see the RC/Migrator documentation at <https://techdocs.broadcom.com/db2rcmig>

Note:

- If --match-set and --match-set-file are both specified, specifications in match-set-file take precedence.
- The matchSetValues options-profile option has the same behavior as the match-set-file command option.

- `--change-set` | `--cs` (*string*)

- Specifies the creator and name of an existing RC/Migrator global change set that changes Db2 objects during a command execution.

Format:

<change-set-creator.change-set-name>

For more information about global change services, see the RC/Migrator documentation at <https://techdocs.broadcom.com/db2rcmig>

Note: If change-set and change-set-file are both specified, specifications in change-set-file take precedence.

- `--change-set-file` | `--csf` (*string*)

- Specifies the name of the local input file that contains the global change specifications that modify attributes of Db2 objects. Depending on the backend configuration, the changes apply to either ALL objects in the DDL or to NEW objects only as determined by match-set processing.

Format:

<object-attribute> <from-value> <to-value>

The <object-attribute> consists of four characters. The first two characters identify the object type. The last two characters identify the specific attribute. Wildcard characters are supported in <from-value> and <to-value>. If the same <object-attribute> is specified multiple times, the first occurrence takes precedence.

Example:

The following example demonstrates changes to the table schema (creator) and tablespace names:

```
TBCR TEST% PROD%  
TBTS TESTTS% PRODTS%
```

For more information about global change services, see the RC/Migrator documentation at <https://techdocs.broadcom.com/db2rcmig>

Note:

- If change-set and change-set-file are both specified, specifications in change-set-file take precedence.

- The `changeSetValues options-profile` option has the same behavior as the `change-set-file` command option.

- `--rule-set` | `--rs` (*string*)

- Specifies the creator and name of an existing RC/Migrator rule set that overrides Db2 object attributes in the target Db2 subsystem with the corresponding values from the input DDL file. The changes only apply to existing objects, as determined by match-set processing.

Format:

<rule-set-creator.rule-set-name>

For more information about rule database services, see the RC/Migrator documentation at <https://techdocs.broadcom.com/db2rcmig>

- `--id` (*string*)

- Specifies the 1- to 8-character name of the RC/Migrator compare strategy that is created on the target Db2 subsystem during a command execution.

Format: The name must begin with a non-numeric character and contain the following characters only: uppercase letters from A to Z, numbers from 0 to 9, and special characters \$, #, and @.

- `--description` | `-d` (*string*)

- Specifies a 1- to 25-character description for the RC/Migrator compare strategy.

- `--output-compare-script` | `--ocs` (*string*)

- Specifies the name of the local output file that contains the update script to make changes to objects that reside on the Db2 subsystem.

Default value: `compare.txt`

- `--output-summary-file` | `--osf` (*string*)

- Specifies the name of the local output file that contains the change summary report in text format. This report tracks changes to Db2 objects on the target Db2 subsystem, but it does not describe how changes are made.

Default value: `summary.txt`

- `--output-impact-file` | `--oif` (*string*)

- Specifies the name of the local output file that contains the parseable impact analysis report in JSON or YAML format. This report identifies the significant DDL operations that are performed on Db2 objects. The report provides the total number and type of DDL operations that are performed on each object type, the list of DDL operations performed on each object instance, and the state of any pending changes.

To determine the report format, supply one of the following extensions in the file name:

- .json for JSON
- .yaml or .yml for YAML

If no extension is provided, the format is set to JSON.

Default value: impact.json

For more information about the impact analysis report, see the RC/Migrator documentation at <https://techdocs.broadcom.com/db2rcmig>

- `--error-file` | `--ef` (*string*)
  - Specifies the local output error file in YAML format. The file contains basic execution information, connection details, dbm-db2 profile parameters, used arguments, and errors that occurred during execution of the command.

Default value: error.log

- `--modification` | `-m` (*string*)
  - Specifies a named set of server-managed default parameter values that control the execution behavior of the zowe dbm-db2 commands. For example, you can use a modification to identify a set of default values that differ from the current set of default values.

For more information about using the modification option, see the DBM Data Service documentation at <https://techdocs.broadcom.com/db2mgmt>

## Profile Options

- `--dbm-db2-options-profile` | `--dbm-db2-options-p` (*string*)
  - The name of a (dbm-db2-options) profile to load for this command execution.
- `--dbm-db2-profile` | `--dbm-db2-p` (*string*)
  - The name of a (dbm-db2) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)

- The name of a (base) profile to load for this command execution.

## DBM-Db2 Connection Options

- `--protocol` (*string*)
  - Specifies the communication protocol between zowe dbm-db2 client and DBM Data Service.  
  
Allowed values: http, https
- `--environment-list` | `--el` (*string*)
  - Specifies a string of one or more entries consisting of a Db2 subsystem ID and a DBM Data Service REST API server host name or TCP/IP address. Use a comma to separate entries. The same Db2 subsystem can be used in multiple DBM Data Service environments. For more information about configuring the DBM Data Service, see the Database Management Solutions for Db2 for z/OS documentation at <https://techdocs.broadcom.com/db2mgmt>
- `--job-cards` | `--jc` (*array*)
  - Specifies a string array of z/OS JCL JOB statements.
- `--work-dataset-prefix` | `--wdp` (*string*)
  - Specifies the prefix (high-level qualifier) in z/OS work data set names.
- `--delete-work-datasets` | `--dwd` (*boolean*)
  - Specifies whether to delete work data sets on a mainframe after the request is fulfilled.
- `--overwrite-output-files` | `--oof` (*boolean*)
  - Specifies whether to overwrite output files if they exist.
- `--authid` | `-a` (*string*)
  - Specifies the primary Db2 authorization ID that is used to establish a connection between Db2 and a process.
- `--sqlid` | `-s` (*string*)
  - Specifies the authorization ID that is used in generated SET CURRENT SQLID statements.

- `--termination-character` | `--tc` (*string*)
  - Specifies the SQL termination character to use in DDL generation when the default termination character conflicts with the SQL statements that are used in triggers, XML indexes, and routines (external SQL functions and native SQL stored procedures). The default termination character is a semi-colon (;). You cannot specify a comma, double quote, single quote, left or right parentheses, or an underscore.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all DBM DS resources when making REST requests. Do not specify this option if you are not using an API mediation layer.

## Base Connection Options

- `--host` | `-H` (*string*)
  - Host name of service on the mainframe.
- `--port` | `-P` (*number*)
  - Port number of service on the mainframe.
- `--user` | `-u` (*string*)
  - User name to authenticate to service on the mainframe.
- `--password` | `--pass` | `--pw` (*string*)
  - Password to authenticate to service on the mainframe.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Generate a script to update objects on the 'TEST' Db2 subsystem with DDL definitions in myddl.sql file:
  - `zowe dbm-db2 compare ddl myddl.sql --target-db2 TEST`
- Generate a script to update objects and apply a rule set for the matched objects:
  - `zowe dbm-db2 compare ddl myddl.sql --target-db2 TEST --rule-set USER1.RULESET`
- Generate a script to update objects and apply a rule set for the objects matched as determined by the local mask specifications in the pair.txt file:
  - `zowe dbm-db2 compare ddl myddl.sql --target-db2 TEST --rule-set USER1.RULESET --match-set-file pair.txt`

## zowe › dbm-db2 › deploy

---

Deploy DDL statements to a Db2 subsystem.

### zowe › dbm-db2 › deploy › ddl

Deploy Db2 object changes on the target Db2 subsystem using an input file that contains the DDL. For example, an application developer has made changes to DDL in a local file and is ready to test the DDL changes. Use this command to deploy the changes to the test environment.

For details about command usage for automation, see DBM-Db2 samples at <https://github.com/BroadcomMFD/dbm\-db2\-for\-zowe\-cli>

## Usage

```
zowe dbm-db2 deploy ddl <local-input-ddl-filename> [options]
```

## Positional Arguments

- `local-input-ddl-filename` (*string*)
  - Specifies the local input file that contains DDL statements for the Db2 objects that you want to deploy on a target subsystem. Typically, this file is created by a 'zowe dbm generate ddl' command or retrieved from an archive. You can edit this file.

## Required Options

- `--target-db2` | `--td` (*string*)
  - Specifies the target Db2 subsystem or data sharing group where you want to use a command.

Note: If you specify the data sharing group, the first active Db2 subsystem in the group is used.

## Options

- `--match-set` | `--ms` (*string*)
  - Specifies the creator and name of an existing RC/Migrator automapping mask set. Matching is used to pair objects in a DDL file to objects that are defined on a Db2 subsystem. Matching determines whether the 'change-set' or 'rule-set' options are applied.

Format:

<match-set-creator.match-set-name>

For more information about mask services, see the RC/Migrator documentation at <https://techdocs.broadcom.com/db2rcmig>

Note: If `--match-set` and `--match-set-file` are both specified, specifications in `match-set-file` take precedence.

- `--match-set-file` | `--msf` (*string*)
  - Specifies the name of the local input file that contains the mapping mask specifications. Matching is used to pair objects in a DDL file to objects that are defined on a Db2 subsystem. For example, a mask specification can account for different schema naming patterns across environments. Matching determines whether the 'change-set' or 'rule-set' options are applied.

Format:

<object-type> <source-name-mask> <target-name-mask>;

STOGROUP <name> <name>

DATABASE <name> <name>

TABLESPACE <database.name> <database.name>

TABLE <schema.name> <schema.name>

INDEX <schema.name> <schema.name>

VIEW <schema.name> <schema.name>

SYNONYM <schema.name> <schema.name>

ALIAS <schema.name> <schema.name>

TRIGGER <schema.name> <schema.name>

SEQUENCE <schema.name> <schema.name>

FUNCTION <schema.name[.version]> <schema.name[.version]>

PROCEDURE <schema.name[.version]> <schema.name[.version]>

Note:

- <name> must be between 1 and 128 characters. For DATABASE and TABLESPACE, <name> must be between 1 and 8 characters.

- <schema> must be between 1 and 128 characters.

- <version> must be between 1 and 64 characters.

A mask specification can include the following wildcard characters:

Percent sign (%) indicates that zero or more characters can occupy that position and all remaining positions to the end of the name, or to the next character. The percent sign can be used anywhere in the name. However, the source and target characters must match exactly.

Hyphen or dash (-) indicates that any character can occupy that position, but a character must exist at that position, and the source and target character must match exactly. The hyphen can be repeated in several places in the name.

Asterisk (\*) indicates matching values. An asterisk cannot be used with other characters.

Use a semicolon to separate mask specifications. Multiple mask specifications for the same object type are supported.

Example:

The following example demonstrates different ways of matching the table MYNAME.MYTABLE to the table YOURNAME.YOURTABLE:

```
TABLE MY%.%TABLE YOUR%.%TABLE;
```

```
TABLE MYN-M-.MYT% YOURN-M-.YOURT%;
```

```
TABLE MYNAME.MYTABLE YOURNAME.YOURTABLE;  
TABLE *.MYTABLE *.YOURTABLE;
```

For a list of mask specifications, see the RC/Migrator documentation at <https://techdocs.broadcom.com/db2rcmig>

Note:

- If --match-set and --match-set-file are both specified, specifications in match-set-file take precedence.
- The matchSetValues options-profile option has the same behavior as the match-set-file command option.

- `--change-set` | `--cs` (*string*)

- Specifies the creator and name of an existing RC/Migrator global change set that changes Db2 objects during a command execution.

Format:

<change-set-creator.change-set-name>

For more information about global change services, see the RC/Migrator documentation at <https://techdocs.broadcom.com/db2rcmig>

Note: If change-set and change-set-file are both specified, specifications in change-set-file take precedence.

- `--change-set-file` | `--csf` (*string*)

- Specifies the name of the local input file that contains the global change specifications that modify attributes of Db2 objects. Depending on the backend configuration, the changes apply to either ALL objects in the DDL or to NEW objects only as determined by match-set processing.

Format:

<object-attribute> <from-value> <to-value>

The <object-attribute> consists of four characters. The first two characters identify the object type. The last two characters identify the specific attribute. Wildcard characters are supported in <from-value> and <to-value>. If the same <object-attribute> is specified multiple times, the first occurrence takes precedence.

Example:

The following example demonstrates changes to the table schema (creator) and tablespace names:

```
TBCR TEST% PROD%  
TBTS TESTTS% PRODTS%
```

For more information about global change services, see the RC/Migrator documentation at <https://techdocs.broadcom.com/db2rcmig>

Note:

- If change-set and change-set-file are both specified, specifications in change-set-file take precedence.
- The changeSetValues options-profile option has the same behavior as the change-set-file command option.

- `--rule-set` | `--rs` (*string*)

- Specifies the creator and name of an existing RC/Migrator rule set that overrides Db2 object attributes in the target Db2 subsystem with the corresponding values from the input DDL file. The changes only apply to existing objects, as determined by match-set processing.

Format:

<rule-set-creator.rule-set-name>

For more information about rule database services, see the RC/Migrator documentation at <https://techdocs.broadcom.com/db2rcmig>

- `--error-file` | `--ef` (*string*)

- Specifies the local output error file in YAML format. The file contains basic execution information, connection details, dbm-db2 profile parameters, used arguments, and errors that occurred during execution of the command.

Default value: error.log

- `--modification` | `-m` (*string*)

- Specifies a named set of server-managed default parameter values that control the execution behavior of the zowe dbm-db2 commands. For example, you can use a modification to identify a set of default values that differ from the current set of default values.

For more information about using the modification option, see the DBM Data Service documentation at <https://techdocs.broadcom.com/db2mgmt>

## Profile Options

- `--dbm-db2-options-profile` | `--dbm-db2-options-p` (*string*)
  - The name of a (dbm-db2-options) profile to load for this command execution.
- `--dbm-db2-profile` | `--dbm-db2-p` (*string*)
  - The name of a (dbm-db2) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## DBM-Db2 Connection Options

- `--protocol` (*string*)
  - Specifies the communication protocol between zowe dbm-db2 client and DBM Data Service.  
  
Allowed values: http, https
- `--environment-list` | `--el` (*string*)
  - Specifies a string of one or more entries consisting of a Db2 subsystem ID and a DBM Data Service REST API server host name or TCP/IP address. Use a comma to separate entries. The same Db2 subsystem can be used in multiple DBM Data Service environments. For more information about configuring the DBM Data Service, see the Database Management Solutions for Db2 for z/OS documentation at <https://techdocs.broadcom.com/db2mgmt>
- `--job-cards` | `--jc` (*array*)
  - Specifies a string array of z/OS JCL JOB statements.
- `--work-dataset-prefix` | `--wdp` (*string*)
  - Specifies the prefix (high-level qualifier) in z/OS work data set names.
- `--delete-work-datasets` | `--dwd` (*boolean*)
  - Specifies whether to delete work data sets on a mainframe after the request is fulfilled.

- `--overwrite-output-files` | `--oof` (*boolean*)
  - Specifies whether to overwrite output files if they exist.
- `--authid` | `-a` (*string*)
  - Specifies the primary Db2 authorization ID that is used to establish a connection between Db2 and a process.
- `--sqlid` | `-s` (*string*)
  - Specifies the authorization ID that is used in generated SET CURRENT SQLID statements.
- `--termination-character` | `--tc` (*string*)
  - Specifies the SQL termination character to use in DDL generation when the default termination character conflicts with the SQL statements that are used in triggers, XML indexes, and routines (external SQL functions and native SQL stored procedures). The default termination character is a semi-colon (;). You cannot specify a comma, double quote, single quote, left or right parentheses, or an underscore.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all DBM DS resources when making REST requests. Do not specify this option if you are not using an API mediation layer.

## Base Connection Options

- `--host` | `-H` (*string*)
  - Host name of service on the mainframe.
- `--port` | `-P` (*number*)
  - Port number of service on the mainframe.
- `--user` | `-u` (*string*)
  - User name to authenticate to service on the mainframe.
- `--password` | `--pass` | `--pw` (*string*)
  - Password to authenticate to service on the mainframe.

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.
  - Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.
  - Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Update Db2 objects on a target Db2 subsystem according to DDL definitions in myddl.sql file:
  - `zowe dbm-db2 deploy ddl myddl.sql --target-db2 TEST`
- Update Db2 objects according to the input DDL definitions and applied rule set for the matched objects:
  - `zowe dbm-db2 deploy ddl myddl.sql --target-db2 TEST --rule-set USER1.RULESET`
- Update Db2 objects according to the input DDL definitions and applied rule set for the objects matched as determined by the local mask specifications in the pair.txt file:
  - `zowe dbm-db2 deploy ddl myddl.sql --target-db2 TEST --rule-set USER1.RULESET --match-set-file pair.txt`

## zowe › dbm-db2 › execute

Execute a script to implement Db2 object changes.

## [zowe](#) › [dbm-db2](#) › [execute](#) › [compare-script](#)

Execute the compare script that was generated with the 'zowe dbm compare ddl' command to implement the Db2 object changes on the Db2 subsystem specified within the script. This command also generates a recovery script to undo compare script changes.

For details about command usage for automation, see DBM-Db2 samples at <https://github.com/BroadcomMFD/dbm\-db2\-for\-zowe\-cli>

### Usage

```
zowe dbm-db2 execute compare-script <local-input-compare-script-filename> [options]
```

### Positional Arguments

- `local-input-compare-script-filename` (*string*)
  - Specifies the local input compare-script file that contains the update script that was generated with the 'zowe dbm compare ddl' command.

### Options

- `--output-recovery-script` | `--ors` | `--output-recovery-file` | `--orf` (*string*)
  - Specifies the local output file name that contains the recovery script that is generated during execution of this command. Executing the recovery script using the 'zowe dbm execute script' command undoes the changes that were made by execution of the compare-script.

Default value: recovery.txt

- `--restart` | `-r` (*string*)
  - Specifies the location in the script where you want to restart execution. The effects of previous successful script statement executions remain.

The following restart options are valid:

new - Restart execution of the script at the first statement.

token - Restart execution of the script at the location that is recorded in the specified token and that was returned from a previous execution failure.

- `--error-file` | `--ef` (*string*)

- Specifies the local output error file in YAML format. The file contains basic execution information, connection details, dbm-db2 profile parameters, used arguments, and errors that occurred during execution of the command.

Default value: error.log

- `--modification` | `-m` (*string*)

- Specifies a named set of server-managed default parameter values that control the execution behavior of the zowe dbm-db2 commands. For example, you can use a modification to identify a set of default values that differ from the current set of default values.

For more information about using the modification option, see the DBM Data Service documentation at <https://techdocs.broadcom.com/db2mgmt>

## Profile Options

- `--dbm-db2-options-profile` | `--dbm-db2-options-p` (*string*)

- The name of a (dbm-db2-options) profile to load for this command execution.

- `--dbm-db2-profile` | `--dbm-db2-p` (*string*)

- The name of a (dbm-db2) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)

- The name of a (base) profile to load for this command execution.

## DBM-Db2 Connection Options

- `--protocol` (*string*)

- Specifies the communication protocol between zowe dbm-db2 client and DBM Data Service.

Allowed values: http, https

- `--environment-list` | `--el` (*string*)

- Specifies a string of one or more entries consisting of a Db2 subsystem ID and a DBM Data Service REST API server host name or TCP/IP address. Use a comma to separate entries. The same Db2 subsystem can be used in multiple DBM Data Service environments. For more information about configuring the DBM Data Service, see the

Database Management Solutions for Db2 for z/OS documentation at <https://techdocs.broadcom.com/db2mgmt>

- `--job-cards` | `--jc` (*array*)
  - Specifies a string array of z/OS JCL JOB statements.
- `--work-dataset-prefix` | `--wdp` (*string*)
  - Specifies the prefix (high-level qualifier) in z/OS work data set names.
- `--delete-work-datasets` | `--dwd` (*boolean*)
  - Specifies whether to delete work data sets on a mainframe after the request is fulfilled.
- `--overwrite-output-files` | `--oof` (*boolean*)
  - Specifies whether to overwrite output files if they exist.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all DBM DS resources when making REST requests. Do not specify this option if you are not using an API mediation layer.

### Base Connection Options

- `--host` | `-H` (*string*)
  - Host name of service on the mainframe.
- `--port` | `-P` (*number*)
  - Port number of service on the mainframe.
- `--user` | `-u` (*string*)
  - User name to authenticate to service on the mainframe.
- `--password` | `--pass` | `--pw` (*string*)
  - Password to authenticate to service on the mainframe.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Execute a compare script:
  - `zowe dbm-db2 execute compare-script compare.txt`
- Restart execution of a compare script at the first statement in the script:
  - `zowe dbm-db2 execute compare-script compare.txt --restart new`
- Restart execution of a compare script at the location in the token:
  - `zowe dbm-db2 execute compare-script compare.txt --restart 78A724GOBLEDYG00K6FD140F6780D6FA`

## **zowe** › **dbm-db2** › **execute** › **migration-script**

Execute the migration script that was generated with the 'zowe dbm prepare migration' command to migrate Db2 objects (DDL) and table data from a source subsystem to a target subsystem. The source and target subsystem IDs are specified within the script.

For details about command usage for automation, see DBM-Db2 samples at <https://github.com/BroadcomMFD/dbm\-db2\-for\zowe\cli>

## Usage

zowe dbm-db2 execute migration-script <local-input-migrate-script-filename> [options]

## Positional Arguments

- `local-input-migrate-script-filename` (*string*)
  - Specifies the local input migration-script file that was generated with the 'zowe dbm prepare migration' command.

## Options

- `--restart` | `-r` (*string*)
  - Specifies the location in the script where you want to restart execution. The effects of previous successful script statement executions remain.

The following restart options are valid:

`new` - Restart execution of the script at the first statement.

`name, token` - Restart execution of the script at the location in the restart section that is recorded in the specified token and that was returned from a prior execution failure.

A section is a `'.SYSTEM <name>'` statement, where `<name>` identifies a logical grouping of statements such as UNLOADS or SQLDDL. 'source' is an alias for UNLOADS. 'target' is an alias for SQLDDL.

- `--error-file` | `--ef` (*string*)
  - Specifies the local output error file in YAML format. The file contains basic execution information, connection details, dbm-db2 profile parameters, used arguments, and errors that occurred during execution of the command.

Default value: error.log

- `--modification` | `-m` (*string*)
  - Specifies a named set of server-managed default parameter values that control the execution behavior of the zowe dbm-db2 commands. For example, you can use a modification to identify a set of default values that differ from the current set of default values.

For more information about using the modification option, see the DBM Data Service documentation at <https://techdocs.broadcom.com/db2mgmt>

## Profile Options

- `--dbm-db2-options-profile` | `--dbm-db2-options-p` (*string*)
  - The name of a (dbm-db2-options) profile to load for this command execution.
- `--dbm-db2-profile` | `--dbm-db2-p` (*string*)
  - The name of a (dbm-db2) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## DBM-Db2 Connection Options

- `--protocol` (*string*)
  - Specifies the communication protocol between zowe dbm-db2 client and DBM Data Service.  
  
Allowed values: http, https
- `--environment-list` | `--el` (*string*)
  - Specifies a string of one or more entries consisting of a Db2 subsystem ID and a DBM Data Service REST API server host name or TCP/IP address. Use a comma to separate entries. The same Db2 subsystem can be used in multiple DBM Data Service environments. For more information about configuring the DBM Data Service, see the Database Management Solutions for Db2 for z/OS documentation at <https://techdocs.broadcom.com/db2mgmt>
- `--job-cards` | `--jc` (*array*)
  - Specifies a string array of z/OS JCL JOB statements.
- `--work-dataset-prefix` | `--wdp` (*string*)
  - Specifies the prefix (high-level qualifier) in z/OS work data set names.
- `--delete-work-datasets` | `--dwd` (*boolean*)
  - Specifies whether to delete work data sets on a mainframe after the request is fulfilled.
- `--overwrite-output-files` | `--oof` (*boolean*)
  - Specifies whether to overwrite output files if they exist.

- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all DBM DS resources when making REST requests. Do not specify this option if you are not using an API mediation layer.

## Base Connection Options

- `--host` | `-H` (*string*)
  - Host name of service on the mainframe.
- `--port` | `-P` (*number*)
  - Port number of service on the mainframe.
- `--user` | `-u` (*string*)
  - User name to authenticate to service on the mainframe.
- `--password` | `--pass` | `--pw` (*string*)
  - Password to authenticate to service on the mainframe.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)

- The file path to a certificate key file to use for authentication

## Examples

- Execute a migration script:
  - `zowe dbm-db2 execute migration-script migration.txt`
- Restart execution of a migration script at the first statement in the script:
  - `zowe dbm-db2 execute migration-script migration.txt --restart new`
- Restart execution of a migration script at the location in the token. Execution begins at the last successful sync point that is recorded in the restart token up to the end of the restart token section:
  - `zowe dbm-db2 execute migration-script migration.txt --restart target,78A724G0BLEDYG00K6FD140F6780D6FA`

## **zowe** › **dbm-db2** › **execute** › **script**

Execute a Batch Processor script on a target subsystem. For example, use this command to execute a Batch Processor script or specifically to execute a recovery script to undo changes that were made by the 'zowe dbm execute compare-script' command. If execution of the script fails, you can execute it again using the 'script-section' or 'restart' options. You can edit the script and make changes before you execute or restart it.

For details about command usage for automation, see DBM-Db2 samples at <https://github.com/BroadcomMFD/dbm\-db2\-for\-zowe\-cli>

## Usage

```
zowe dbm-db2 execute script <local-input-bp-script-filename> [options]
```

## Positional Arguments

- `local-input-bp-script-filename` (*string*)
  - Specifies the local input file that contains the Batch Processor statements such as the recovery script that was created by executing the 'zowe dbm execute compare-script' command.

## Options

- `--target-db2` | `--td` (*string*)

- Specifies the target Db2 subsystem or data sharing group where you want to execute the script. If this option is not specified, the target subsystem is identified by the first .CONNECT statement in the script.

Note: If you specify the data sharing group, the first active Db2 subsystem in the group is used.

The target-db2 option takes precedence over any other value that is specified for the Db2 subsystem or data sharing group.

- `--script-section` | `--ss` (*string*)

- Identifies the location in the script where you want to begin execution.

The following options are valid:

name - Begin execution of the specific section and process all subsequent statements up to the next section.

A section is a '.SYSTEM <name>' statement, where <name> identifies a logical grouping of statements such as UNLOADS or SQLDDL. 'source' is an alias for UNLOADS. 'target' is an alias for SQLDDL.

number - Begin execution after the specific sync point (.SYNC <number> statement) and process all statements up to the end of the script.

name, number - Begin execution of the specific script section beginning from the sync point (.SYNC <number> statement) within the section and process all subsequent statements up to the next section.

- `--restart` | `-r` (*string*)

- Specifies the location in the script where you want to restart execution. The effects of previous successful script statement executions remain.

The following restart options are valid:

new - Restart execution of the script at the first statement.

token - Restart execution of the script at the location that is recorded in the specified token and that was returned from a previous execution failure.

name, token - Restart execution of the script at the location in the restart section that is recorded in the specified token and that was returned from a prior execution failure.

A section is a Batch Processor '.SYSTEM <name>' statement, where <name> identifies a logical grouping of statements such as UNLOADS or SQLDDL. 'source' is an alias for UNLOADS. 'target' is an alias for SQLDDL.

- `--error-file` | `--ef` (*string*)
  - Specifies the local output error file in YAML format. The file contains basic execution information, connection details, dbm-db2 profile parameters, used arguments, and errors that occurred during execution of the command.

Default value: error.log

- `--modification` | `-m` (*string*)
  - Specifies a named set of server-managed default parameter values that control the execution behavior of the zowe dbm-db2 commands. For example, you can use a modification to identify a set of default values that differ from the current set of default values.

For more information about using the modification option, see the DBM Data Service documentation at <https://techdocs.broadcom.com/db2mgmt>

## Profile Options

- `--dbm-db2-options-profile` | `--dbm-db2-options-p` (*string*)
  - The name of a (dbm-db2-options) profile to load for this command execution.
- `--dbm-db2-profile` | `--dbm-db2-p` (*string*)
  - The name of a (dbm-db2) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## DBM-Db2 Connection Options

- `--protocol` (*string*)
  - Specifies the communication protocol between zowe dbm-db2 client and DBM Data Service.

Allowed values: http, https

- `--environment-list` | `--el` (*string*)

- Specifies a string of one or more entries consisting of a Db2 subsystem ID and a DBM Data Service REST API server host name or TCP/IP address. Use a comma to separate entries. The same Db2 subsystem can be used in multiple DBM Data Service environments. For more information about configuring the DBM Data Service, see the Database Management Solutions for Db2 for z/OS documentation at <https://techdocs.broadcom.com/db2mgmt>
- `--job-cards` | `--jc` (*array*)
  - Specifies a string array of z/OS JCL JOB statements.
- `--work-dataset-prefix` | `--wdp` (*string*)
  - Specifies the prefix (high-level qualifier) in z/OS work data set names.
- `--delete-work-datasets` | `--dwd` (*boolean*)
  - Specifies whether to delete work data sets on a mainframe after the request is fulfilled.
- `--overwrite-output-files` | `--oof` (*boolean*)
  - Specifies whether to overwrite output files if they exist.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all DBM DS resources when making REST requests. Do not specify this option if you are not using an API mediation layer.

## Base Connection Options

- `--host` | `-H` (*string*)
  - Host name of service on the mainframe.
- `--port` | `-P` (*number*)
  - Port number of service on the mainframe.
- `--user` | `-u` (*string*)
  - User name to authenticate to service on the mainframe.
- `--password` | `--pass` | `--pw` (*string*)
  - Password to authenticate to service on the mainframe.

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.
  - Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.
  - Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Execute a recovery script:
  - `zowe dbm-db2 execute script recovery.txt`
- Execute a script on the 'TEST' Db2 subsystem:
  - `zowe dbm-db2 execute script script001.txt --target-db2 TEST`
- Execute only the SQLDDL section of a script. The first `.CONNECT` statement in the script identifies the target subsystem where the script is executed. Execution begins at the `.SYSTEM SQLDDL` statement and ends at the next `.SYSTEM` statement in the script:
  - `zowe dbm-db2 execute script script001.txt --script-section SQLDDL`
- Execute a script beginning from the sync point 10 (`.SYNC 10` statement) to the end of the script:
  - `zowe dbm-db2 execute script script001.txt --script-section 10`

- Execute only the target (SQLDDL) section of the script starting at sync point 20:
  - `zowe dbm-db2 execute script script001.txt --script-section target,20`
- Restart execution of a script from the beginning:
  - `zowe dbm-db2 execute script script001.txt --restart new`
- Restart execution of a script at the location specified in the token. The restart token is returned by a previous 'zowe dbm execute command' failure as part of the terminal output and in the error file:
  - `zowe dbm-db2 execute script script001.txt --restart 78A724A48DA5185D06FD140F6780D6FA`
- Restart execution at the last successful sync point recorded in the restart token up to the end of the target (SQLDDL) section:
  - `zowe dbm-db2 execute script script001.txt --restart target,78A724A48DA5185D06FD140F6780D6FA`

## zowe › dbm-db2 › generate

---

Generate DDL statements for Db2 objects.

### zowe › dbm-db2 › generate › ddl

Generate CREATE or DROP DDL statements for specified Db2 objects into an output DDL file. For example, use this command to generate CREATE TABLE definitions that you can then edit and use to update the table definition on a Db2 subsystem with the 'zowe dbm compare ddl' command.

For details about command usage for automation, see DBM-Db2 samples at <https://github.com/BroadcomMFD/dbm\-\db2\-\for\-\zowe\-\cli>

### Usage

```
zowe dbm-db2 generate ddl [options]
```

### Required Options

- `--object` | `-o` (*string*)

- Specifies the Db2 objects to be generated in DDL. Use the optional include clause to include related Db2 objects.

Format: see the object\ -file description

Note: The \ -object and \ -object\ -file options are mutually exclusive.

- `--object-file` | `--of` (*string*)

- Specifies the name of the local input file that contains a list of Db2 objects to be generated in DDL. Use a semicolon to separate objects. Use the optional include clause to include related Db2 objects.

Format:

`<object-type> <object-name> [include(<related-object-type>,...)];`

The required clause `<object-type> <object-name>` identifies the specific Db2 (base) object:

STOGROUP <name>  
DATABASE <name>  
TABLESPACE <dbname.name>  
TABLE <schema.name>  
INDEX <schema.name>  
VIEW <schema.name>  
ALIAS <schema.name>  
SYNONYM <schema.name>  
MQT <schema.name>  
SEQUENCE <schema.name>  
TRIGGER <schema.name[.version]>  
FUNCTION <schema.name[.version]>  
PROCEDURE <schema.name[.version]>

The optional include clause (`<related-object-type>,...`) identifies one or more related Db2 object types to include in the object list.

You can specify the following object types: STOGROUP, DATABASE, TABLESPACE, TABLE, INDEX, VIEW, SYNONYM, MQT-ALL, TRIGGER, ROUTINE, PARENTS, CHILDREN, and ALL.

Example:

```
table sysibm.systables include (tablespace, database, index);
database db1 include(children);
```

Note: The `--object` and `--object-file` options are mutually exclusive.

- `--source-db2` | `--sd` (*string*)
  - Specifies the source Db2 subsystem or data sharing group where the objects that you want to use in a command are located.

Note: If you specify the data sharing group, the first active Db2 subsystem in the group is used.

## Options

- `--change-set` | `--cs` (*string*)
  - Specifies the creator and name of an existing RC/Migrator global change set that changes Db2 objects during a command execution.

Format:

<change-set-creator.change-set-name>

For more information about global change services, see the RC/Migrator documentation at <https://techdocs.broadcom.com/db2rcmig>

Note: If `change-set` and `change-set-file` are both specified, specifications in `change-set-file` take precedence.

- `--change-set-file` | `--csf` (*string*)
  - Specifies the name of the local input file that contains the global change specifications that modify attributes of Db2 objects.

Format:

<object-attribute> <from-value> <to-value>

The <object-attribute> consists of four characters. The first two characters identify the object type. The last two characters identify the specific attribute. Wildcard characters are supported in <from-value> and <to-value>. If the same <object-attribute> is specified multiple times, the first occurrence takes precedence.

For a full list of attributes, see Global Change Set Attributes in the RC/Migrator documentation at <https://techdocs.broadcom.com/db2rcmig>

Example:

The following example demonstrates changes to the table schema (creator) and tablespace names:

```
TBCR TEST% PROD%  
TBTS TESTTS% PRODTS%
```

Note:

- If change-set and change-set-file are both specified, specifications in change-set-file take precedence.
- The changeSetValues options-profile option has the same behavior as the change-set-file command option.

- `--type` | `-t` (*string*)

- Specifies the type of DDL statements that you want to generate. You can generate CREATE or DROP statements.

Default value: create

Allowed values: drop, create

- `--output-ddl-file` | `--odf` (*string*)

- Specifies the local output file name that contains the generated DDL for the objects that are identified by the `--object-file` or `--object` option.

Default value: output.sql

- `--error-file` | `--ef` (*string*)

- Specifies the local output error file in YAML format. The file contains basic execution information, connection details, dbm-db2 profile parameters, used arguments, and errors that occurred during execution of the command.

Default value: error.log

- `--modification` | `-m` (*string*)

- Specifies a named set of server-managed default parameter values that control the execution behavior of the zowe dbm-db2 commands. For example, you can use a modification to identify a set of default values that differ from the current set of default values.

For more information about using the modification option, see the DBM Data Service documentation at <https://techdocs.broadcom.com/db2mgmt>

## Profile Options

- `--dbm-db2-options-profile` | `--dbm-db2-options-p` (*string*)
  - The name of a (dbm-db2-options) profile to load for this command execution.
- `--dbm-db2-profile` | `--dbm-db2-p` (*string*)
  - The name of a (dbm-db2) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## DBM-Db2 Connection Options

- `--protocol` (*string*)
  - Specifies the communication protocol between zowe dbm-db2 client and DBM Data Service.

Allowed values: http, https
- `--environment-list` | `--el` (*string*)
  - Specifies a string of one or more entries consisting of a Db2 subsystem ID and a DBM Data Service REST API server host name or TCP/IP address. Use a comma to separate entries. The same Db2 subsystem can be used in multiple DBM Data Service environments. For more information about configuring the DBM Data Service, see the Database Management Solutions for Db2 for z/OS documentation at <https://techdocs.broadcom.com/db2mgmt>
- `--job-cards` | `--jc` (*array*)
  - Specifies a string array of z/OS JCL JOB statements.
- `--work-dataset-prefix` | `--wdp` (*string*)
  - Specifies the prefix (high-level qualifier) in z/OS work data set names.
- `--delete-work-datasets` | `--dwd` (*boolean*)
  - Specifies whether to delete work data sets on a mainframe after the request is fulfilled.

- `--overwrite-output-files` | `--oof` (*boolean*)
  - Specifies whether to overwrite output files if they exist.
- `--authid` | `-a` (*string*)
  - Specifies the primary Db2 authorization ID that is used to establish a connection between Db2 and a process.
- `--sqlid` | `-s` (*string*)
  - Specifies the authorization ID that is used in generated SET CURRENT SQLID statements.
- `--termination-character` | `--tc` (*string*)
  - Specifies the SQL termination character to use in DDL generation when the default termination character conflicts with the SQL statements that are used in triggers, XML indexes, and routines (external SQL functions and native SQL stored procedures). The default termination character is a semi-colon (;). You cannot specify a comma, double quote, single quote, left or right parentheses, or an underscore.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all DBM DS resources when making REST requests. Do not specify this option if you are not using an API mediation layer.

## Base Connection Options

- `--host` | `-H` (*string*)
  - Host name of service on the mainframe.
- `--port` | `-P` (*number*)
  - Port number of service on the mainframe.
- `--user` | `-u` (*string*)
  - User name to authenticate to service on the mainframe.
- `--password` | `--pass` | `--pw` (*string*)
  - Password to authenticate to service on the mainframe.

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Generate CREATE DDL statements for a tablespace and its child table:
  - `zowe dbm-db2 generate ddl --object "tablespace my.tbsp include(table)" --source-db2 SRC --output-ddl-file objects.sql`
- Generate CREATE DDL statements for a database and its children and apply changes as defined in the change set:
  - `zowe dbm-db2 generate ddl --object "database my.db include(children)" --source-db2 SRC --change-set USER1.CHANGSET --output-ddl-file objects.sql`
- Generate DROP DDL statements only for the input object list:
  - `zowe dbm-db2 generate ddl --object-file objects.txt --source-db2 SRC --type drop --output-ddl-file output.sql`

Prepare DDL statements and a script to migrate Db2 objects.

## [zowe](#) › [dbm-db2](#) › [prepare](#) › [migration](#)

Generate a script to migrate Db2 object definitions (DDL) and data from a source subsystem to a target subsystem. You can specify which objects to include and apply changes to the objects as part of the migration. To execute the script, use the 'zowe dbm execute migration-script' command.

For details about command usage for automation, see DBM-Db2 samples at <https://github.com/BroadcomMFD/dbm\-db2\-for\-zowe\-cli>

### Usage

```
zowe dbm-db2 prepare migration [options]
```

### Required Options

- `--object` | `-o` (*string*)
  - Specifies the Db2 objects to be migrated. Use the optional include clause to include related Db2 objects.

Format: see the object-file description

Note: The `--object` and `--object-file` options are mutually exclusive.

- `--object-file` | `--of` (*string*)
  - Specifies the name of the local input file that contains a list of Db2 objects to be migrated. Use a semicolon to separate objects. Use the optional include clause to include related Db2 objects.

Format:

```
<object-type> <object-name> [include(<related-object-type>,...)];
```

The required clause `<object-type> <object-name>` identifies the specific Db2 (base) object:

```
STOGROUP <name>  
DATABASE <name>  
TABLESPACE <dbname.name>  
TABLE <schema.name>  
INDEX <schema.name>  
VIEW <schema.name>
```

ALIAS <schema.name>  
SYNONYM <schema.name>  
MQT <schema.name>  
SEQUENCE <schema.name>  
TRIGGER <schema.name[.version]>  
FUNCTION <schema.name[.version]>  
PROCEDURE <schema.name[.version]>

The optional include clause (<related-object-type>,...) identifies one or more related Db2 object types to include in the object list.

You can specify the following object types: STOGROUP, DATABASE, TABLESPACE, TABLE, INDEX, VIEW, SYNONYM, MQT-ALL, TRIGGER, ROUTINE, PARENTS, CHILDREN, and ALL.

Example:

```
table sysibm.systables include (tablespace, database, index);  
database db1 include(children);
```

Note: The --object and --object-file options are mutually exclusive.

- `--source-db2` | `--sd` (*string*)
  - Specifies the source Db2 subsystem or data sharing group where the objects that you want to use in a command are located.

Note: If you specify the data sharing group, the first active Db2 subsystem in the group is used.

- `--target-db2` | `--td` (*string*)
  - Specifies the target Db2 subsystem or data sharing group where you want to use a command.

Note: If you specify the data sharing group, the first active Db2 subsystem in the group is used.

## Options

- `--change-set` | `--cs` (*string*)
  - Specifies the creator and name of an existing RC/Migrator global change set that changes Db2 objects during a command execution.

Format:

<change-set-creator.change-set-name>

For more information about global change services, see the RC/Migrator documentation at <https://techdocs.broadcom.com/db2rcmig>

Note: If change-set and change-set-file are both specified, specifications in change-set-file take precedence.

- `--change-set-file` | `--csf` (*string*)

- Specifies the name of the local input file that contains the global change specifications that modify attributes of Db2 objects.

Format:

<object-attribute> <from-value> <to-value>

The <object-attribute> consists of four characters. The first two characters identify the object type. The last two characters identify the specific attribute. Wildcard characters are supported in <from-value> and <to-value>. If the same <object-attribute> is specified multiple times, the first occurrence takes precedence.

For a full list of attributes, see Global Change Set Attributes in the RC/Migrator documentation at <https://techdocs.broadcom.com/db2rcmig>

Example:

The following example demonstrates changes to the table schema (creator) and tablespace names:

```
TBCR TEST% PROD%  
TBTS TESTTS% PRODTTS%
```

Note:

- If change-set and change-set-file are both specified, specifications in change-set-file take precedence.
- The changeSetValues options-profile option has the same behavior as the change-set-file command option.

- `--output-migrate-script` | `--oms` (*string*)

- Specifies the name of the local output file that contains the script to make changes to objects that reside on the Db2 subsystem.

Default value: migration.txt

- `--output-ddl-file` | `--odf` (*string*)

- Specifies the name of the local output file that contains the generated DDL for objects that are identified by the `--object-file` or `--object` option.

Default value: output.sql

- `--error-file` | `--ef` (*string*)

- Specifies the local output error file in YAML format. The file contains basic execution information, connection details, dbm-db2 profile parameters, used arguments, and errors that occurred during execution of the command.

Default value: error.log

- `--modification` | `-m` (*string*)

- Specifies a named set of server-managed default parameter values that control the execution behavior of the zowe dbm-db2 commands. For example, you can use a modification to identify a set of default values that differ from the current set of default values.

For more information about using the modification option, see the DBM Data Service documentation at <https://techdocs.broadcom.com/db2mgmt>

## Profile Options

- `--dbm-db2-options-profile` | `--dbm-db2-options-p` (*string*)

- The name of a (dbm-db2-options) profile to load for this command execution.

- `--dbm-db2-profile` | `--dbm-db2-p` (*string*)

- The name of a (dbm-db2) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)

- The name of a (base) profile to load for this command execution.

## DBM-Db2 Connection Options

- `--protocol` (*string*)

- Specifies the communication protocol between zowe dbm-db2 client and DBM Data Service.

Allowed values: http, https

- `--environment-list` | `--el` (*string*)
  - Specifies a string of one or more entries consisting of a Db2 subsystem ID and a DBM Data Service REST API server host name or TCP/IP address. Use a comma to separate entries. The same Db2 subsystem can be used in multiple DBM Data Service environments. For more information about configuring the DBM Data Service, see the Database Management Solutions for Db2 for z/OS documentation at <https://techdocs.broadcom.com/db2mgmt>
- `--job-cards` | `--jc` (*array*)
  - Specifies a string array of z/OS JCL JOB statements.
- `--work-dataset-prefix` | `--wdp` (*string*)
  - Specifies the prefix (high-level qualifier) in z/OS work data set names.
- `--delete-work-datasets` | `--dwd` (*boolean*)
  - Specifies whether to delete work data sets on a mainframe after the request is fulfilled.
- `--overwrite-output-files` | `--oof` (*boolean*)
  - Specifies whether to overwrite output files if they exist.
- `--authid` | `-a` (*string*)
  - Specifies the primary Db2 authorization ID that is used to establish a connection between Db2 and a process.
- `--sqlid` | `-s` (*string*)
  - Specifies the authorization ID that is used in generated SET CURRENT SQLID statements.
- `--termination-character` | `--tc` (*string*)
  - Specifies the SQL termination character to use in DDL generation when the default termination character conflicts with the SQL statements that are used in triggers, XML indexes, and routines (external SQL functions and native SQL stored procedures). The

default termination character is a semi-colon (;). You cannot specify a comma, double quote, single quote, left or right parentheses, or an underscore.

- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all DBM DS resources when making REST requests. Do not specify this option if you are not using an API mediation layer.

## Base Connection Options

- `--host` | `-H` (*string*)
  - Host name of service on the mainframe.
- `--port` | `-P` (*number*)
  - Port number of service on the mainframe.
- `--user` | `-u` (*string*)
  - User name to authenticate to service on the mainframe.
- `--password` | `--pass` | `--pw` (*string*)
  - Password to authenticate to service on the mainframe.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Generate a migration script for a tablespace and its child table:
  - `zowe dbm-db2 prepare migration --object "tablespace my.tbsp include(table)" --source-db2 SRC --target-db2 TRG --output-migrate-script migrate.txt`
- Generate a migration script and apply global changes:
  - `zowe dbm-db2 prepare migration --object "database my.db include(children)" --source-db2 SRC --target-db2 TRG --change-set USER1.CHANGSET --output-migrate-script migrate.txt --output-ddl-file objects.sql`

## zowe › endeavor

---

Endevor plug-in for listing Endeavor environment information, working with elements and packages located in specified Endeavor instance.

## zowe › endeavor › add

---

Add an Element into Endeavor.

## zowe › endeavor › add › element

The add element command lets you add an Element to an Environment entry Stage in Endeavor.

### Usage

```
zowe endeavor add element <element> [options]
```

### Positional Arguments

- `element` (*string*)
  - Name of the Endeavor element.

### endeavor-location definition options

- `--environment` | `--env` (*string*)
  - The Endeavor environment where your project resides.
- `--system` | `--sys` (*string*)
  - The Endeavor system where your project resides.
- `--subsystem` | `--sub` (*string*)
  - The Endeavor subsystem where your project resides.
- `--type` | `--typ` (*string*)
  - Name of the Endeavor element's type.
- `--ccid` | `--cci` (*string*)
  - The CCID you want to use when performing an Element action.

- `--comment` | `--com` (*string*)
  - The comment you want to have when performing an Element action
- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails

Default value: 8
- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

### input sources options

- `--from-file` | `--ff` (*string*)
  - Use this input to provide source file.
- `--from-dataset` | `--fd` (*string*)
  - Use this input to provide source data set name.
- `--from-member` | `--fm` (*string*)
  - Use this input to provide source member name in the data set.
- `--from-path` | `--fp` (*string*)
  - Use this input to provide the path of source USS file. It must be used with from-uss-file.
- `--from-uss-file` | `--fuf` (*string*)
  - Use this input to provide source USS file name. It must be used with from-path

### options

- `--override-signout` | `--os` (*boolean*)
  - Specify if you want to override the Signout of an Endeavor element while performing this action.
- `--new-version` | `--nv` (*number*)
  - Assign a different version number to the Element.

- `--proc-group` | `--pg` (*string*)
  - The Endeavor processor group you would like to use.
- `--generate` | `-g` (*boolean*)
  - Specifies if you want to Generate Element after Add/Update action.
- `--get-fingerprint` | `--gfg` (*boolean*)
  - Return fingerprint of a retrieved, added or updated element as the first line of the response.

Default value: false
- `--fingerprint` | `--fg` (*string*)
  - Specifies the fingerprint of the element to Add or Update. Use value 'NEW' when adding a new element that shouldn't exist in the map yet.
- `--charset` | `--char` (*string*)
  - Specifies the clients preferred character set when retrieving, printing or updating elements.

Default value: false

### endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)
  - Specifies the user name.

- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

### output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false

### Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Add element from local file with endeavor profile set up:
  - `zowe endeavor add element elementName --env ENV --sys SYS --sub SUB --typ TYPE --ff localfile.txt -i ENDEVOR --ccid CCID --comment 'adding element'`

## zowe › endeavor › approve

---

Approve a Package in Endeavor.

### zowe › endeavor › approve › package

The approve package command approves Package in Endeavor for execution.

#### Usage

```
zowe endeavor approve package [package] [options]
```

#### Positional Arguments

- `package` (*string*)
  - Name of the Endeavor package.

## options

- `--notes` | `-n` (*string*)
  - Notes for package.
- `--notes-from-file` | `--nff` (*string*)
  - Local file of notes for package.

## endeavor-location definition options

- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails

Default value: 8
- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

## endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)

- Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

### output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false

### Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)

- The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Approve package with endeavor profile set up, specifying approval notes:
  - `zowe endeavor approve package packageName -n "notes" -i ENDEVOR`

## [zowe](#) › [endeavor](#) › [backin](#)

---

Backin a Package in Endeavor.

## [zowe](#) › [endeavor](#) › [backin](#) › [package](#)

The backin package command reverses the backout action and returns the Package to a status of Executed.

## Usage

`zowe endeavor backin package [package] [options]`

## Positional Arguments

- `package` (*string*)
  - Name of the Endeavor package.

## options

- `--statement` | `--stmn` (*number*)
  - Specify the SCL statement number for the Element action that you want to back in or back out.
- `--element` | `--elm` (*string*)
  - Specify the Element name for the Element action that you want to back in or back out.

## endeavor-location definition options

- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails

Default value: 8
- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

## endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https

Allowed values: http, https

- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

### output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false

### Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)

- The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.
 

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Backin package with endeavor profile set up:
  - `zowe endeavor backin package packageName -i ENDEVOR`

## zowe › endeavor › backout

---

Backout a Package in Endeavor.

### zowe › endeavor › backout › package

The backout package command restores the executable and output modules of the Package to the status they were in before execution.

## Usage

```
zowe endeavor backout package [package] [options]
```

## Positional Arguments

- `package` (*string*)
  - Name of the Endeavor package.

## options

- `--statement` | `--stmn` (*number*)
  - Specify the SCL statement number for the Element action that you want to back in or back out.
- `--element` | `--elm` (*string*)
  - Specify the Element name for the Element action that you want to back in or back out.

## endeavor-location definition options

- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails

Default value: 8
- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

## endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)

- Specifies the protocol used for connecting to Endeavor Rest API

Default value: https

Allowed values: http, https

- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

## output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.

- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Backout package with endeavor profile set up:
  - `zowe endeavor backout package packageName -i ENDEVOR`

## zowe › endeavor › cast

---

Cast a Package in Endeavor.

### zowe › endeavor › cast › package

The cast package command prepares the Package for review and subsequent execution. Casting a Package freezes the contents of the Package and prevents further changes to the Package.

## Usage

zowe endeavor cast package [package] [options]

## Positional Arguments

- `package` (*string*)
  - Name of the Endeavor package.

## options

- `--from-date-time` | `--fdt` (*string*)
  - Specify the beginning of time frame within which the package can be executed. Use yyyy-mm-ddThh:mm or see ISO 8601 standard for syntax.
- `--to-date-time` | `--tdt` (*string*)
  - Specify the end of time frame within which the package can be executed. Use yyyy-mm-ddThh:mm or see ISO 8601 standard for syntax.
- `--validate-components` | `--vc` (*string*)
  - Specify "yes" to enable component validation within the package, "no" to disable, and "warn" to generate a warning if component validation fails.  
  
Allowed values: yes, no, warn
- `--backout` (*boolean*)
  - Set this option to false (or specify `--no-backout`) if you don't want to have the backout facility available for this package. By default backout is enabled.  
  
Default value: true

## endeavor-location definition options

- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails  
  
Default value: 8
- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

## endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

## output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.

- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Cast package with endeavor profile set up, changing the execution window of the Package:
  - `zowe endeavor cast package packageName --fdt 2018-01-01T00:00 --tdt 2018-12-31T12:00 -i ENDEVOR`

## zowe › endeavor › check

---

Endevor Web Services Health Check.

## zowe › endeavor › check › instance

The check instance command triggers the web services health check for a given instance.

### Usage

`zowe endeavor check instance [instance] [options]`

### Positional Arguments

- `instance` (*string*)
  - Specifies Endeavor Web Services dataSource name.

### endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)
  - Specifies the user name.

- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

### endeavor-location definition options

- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

### output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false

### Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)

- The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Perform health check of Endeavor Web Services instance ENDEVOR:
  - `zowe endeavor check instance ENDEVOR`

## zowe › endeavor › commit

---

Commit a Package in Endeavor.

## zowe › endeavor › commit › package

The commit package command commits a Package, which removes all backout/backin data while retaining Package event information.

## Usage

`zowe endeavor commit package [package] [options]`

## Positional Arguments

- `package` (*string*)
  - Name of the Endeavor package.

## options

- `--older-than` | `--ot` (*number*)
  - Specify the minimum age of the package.
- `--delete-promotion-history` | `--dph` (*boolean*)
  - Specifies whether you want to delete all promotion history associated with previous versions of the Package

## endeavor-location definition options

- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails

Default value: 8
- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

## endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)

- Specifies the protocol used for connecting to Endeavor Rest API

Default value: https

Allowed values: http, https

- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

## output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.

- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.
 

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Commit package with endeavor profile set up, specifying deletion of all promotion history:
  - `zowe endeavor commit package packageName --delete-promotion-history -i ENDEVOR`

## [zowe](#) › [endeavor](#) › [confirm](#)

---

Confirm a manual conflict resolution inside an Endeavor workspace file is complete.

## [zowe](#) › [endeavor](#) › [confirm](#) › [resolution](#)

Confirm a manual conflict resolution inside an Endeavor workspace file is complete.

## Usage

zowe endeavor confirm resolution [workspace-file] [options]

## Positional Arguments

- `workspace-file` (*string*)
  - An Endeavor workspace file (full or relative path).

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--host` | `-H` (*string*)
  - Host name of service on the mainframe.
- `--port` | `-P` (*number*)
  - Port number of service on the mainframe.
- `--user` | `-u` (*string*)
  - User name to authenticate to service on the mainframe.
- `--password` | `--pass` | `--pw` (*string*)
  - Password to authenticate to service on the mainframe.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Confirm a manual conflict resolution has been finished for file 'filename':
  - `zowe endeavor confirm resolution filename`

## zowe › endeavor › create

---

Create a Package in Endeavor.

### zowe › endeavor › create › package

The create package command lets you create a package in Endeavor.

## Usage

```
zowe endeavor create package [package] [options]
```

## Positional Arguments

- `package` (*string*)
  - Name of the Endeavor package.

## input sources options

- `--from-file` | `--ff` (*string*)
  - Use this input to provide source file.
- `--from-dataset` | `--fd` (*string*)
  - Use this input to provide source data set name.
- `--from-member` | `--fm` (*string*)
  - Use this input to provide source member name in the data set.
- `--from-package` | `--fp` (*string*)
  - Directs the Create/Update action to copy the SCL from the package you specify into the package you are creating or updating.
- `--from-text` | `--ft` (*string*)
  - Provides a string to use as input SCL.

## options

- `--description` | `-d` (*string*)
  - Allows you to associate a 50-character description when creating or updating package.
- `--from-date-time` | `--fdt` (*string*)
  - Specify the beginning of time frame within which the package can be executed. Use `yyyy-mm-ddThh:mm` or see ISO 8601 standard for syntax.
- `--to-date-time` | `--tdt` (*string*)
  - Specify the end of time frame within which the package can be executed. Use `yyyy-mm-ddThh:mm` or see ISO 8601 standard for syntax.
- `--backout` (*boolean*)
  - Set this option to false (or specify `--no-backout`) if you don't want to have the backout facility available for this package. By default backout is enabled.  
  
Default value: true
- `--notes` | `-n` (*string*)
  - Notes for package.

- `--notes-from-file` | `--nff` (*string*)
  - Local file of notes for package.
- `--emergency-package` | `--ep` (*boolean*)
  - Specify if the package should be an emergency package. When not specified, the package is a standard package.
- `--sharable` | `--sh` (*boolean*)
  - Specify this option if the package can be edited by more than one person when in In-edit status.
- `--promotion` | `--pr` (*boolean*)
  - Specify this option to define the package as a promotion package.
- `--validate-scl` | `--vs` (*boolean*)
  - Set this option to false (or specify `--no-validate-scl`) to skip validation of the package components while creating a package. By default the SCL is validated

Default value: true

### endevor-location definition options

- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails

Default value: 8
- `--instance` | `-i` (*string*)
  - Specifies Endevor Web Services dataSource name.

### endevor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.

- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API
  - Default value: `https`
  - Allowed values: `http`, `https`
- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

### output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false

### Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)

- The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.
 

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Create package from local file with endeavor profile set up:
  - `zowe endeavor create package packageName -d "package description" --ff localfile.txt -i ENDEVOR`

## [zowe](#) › [endeavor](#) › [delete](#)

---

Delete an Element or a Package in Endeavor.

## [zowe](#) › [endeavor](#) › [delete](#) › [element](#)

The delete element command deletes an Element from the specified inventory location in Endeavor.

## Usage

```
zowe endeavor delete element <element> [options]
```

## Positional Arguments

- `element` (*string*)
  - Name of the Endeavor element.

## endeavor-location definition options

- `--environment` | `--env` (*string*)
  - The Endeavor environment where your project resides.
- `--system` | `--sys` (*string*)
  - The Endeavor system where your project resides.
- `--subsystem` | `--sub` (*string*)
  - The Endeavor subsystem where your project resides.
- `--type` | `--typ` (*string*)
  - Name of the Endeavor element's type.
- `--stage-number` | `--sn` (*string*)
  - The Endeavor stage number where your project resides.  
  
Allowed values: 1, 2
- `--ccid` | `--cci` (*string*)
  - The CCID you want to use when performing an Element action.
- `--comment` | `--com` (*string*)
  - The comment you want to have when performing an Element action
- `--maxrc` (*number*)

- The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails

Default value: 8

- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## options

- `--proc-group` | `--pg` (*string*)
  - The Endeavor processor group you would like to use.
- `--override-signout` | `--os` (*boolean*)
  - Specify if you want to override the Signout of an Endeavor element while performing this action.
- `--only-components` | `--oc` (*boolean*)
  - Applicable for Endeavor ACM users only. Indicates whether you want to delete both the Element component list and the Element, or the Element component list only. "No" is the default option
- `--where-ccid-all` | `--wca` (*string*)
  - Instructs Endeavor to search both the Master Control File and the SOURCE DELTA levels for a specified CCIDs.  
Accepts up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-ccid-current` | `--wcc` (*string*)
  - Instructs Endeavor to search through the CCID fields in the Master Control File to find a specified CCIDs.  
Accept up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-ccid-retrieve` | `--wcr` (*string*)
  - Instructs Endeavor to use the CCID in the Master Control File RETRIEVE CCID field.  
Accepts up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.

- `--where-proc-group` | `--wpg` (*string*)
  - Lets you select Elements according to a specified Processor group. You can use a wildcard when specifying the Processor group name.  
Accepts up to 8 Processor group names separated by ", ".

### asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

### endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API  
  
Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

### output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Delete element with endeavor profile set up:
  - `zowe endeavor delete element elementName --env ENV --sn 1 --sys SYS --sub SUB --typ TYPE -i ENDEVOR`

## zowe › endeavor › delete › package

The delete package command lets you delete Packages of any status type in Endeavor.

## Usage

`zowe endeavor delete package [package] [options]`

## Positional Arguments

- `package` (*string*)
  - Name of the Endeavor package.

## options

- `--status` | `--st` (*string*)
  - Specify the status of the packages. Valid values are [APPROVED, EXECFAILED] for execute action, and additional values [INEDIT, INAPPROVAL, INEXECUTION, EXECUTED, COMMITTED, DENIED] for list action, additional value [ALLSTATE] for delete action.  
It is possible to specify multiple status separated by "," during list and delete package.  
  
Allowed values: ALLSTATE, INEDIT, INAPPROVAL, APPROVED, INEXECUTION, EXECUTED, COMMITTED, DENIED, EXECFAILED
- `--older-than` | `--ot` (*number*)
  - Specify the minimum age of the package.

## endeavor-location definition options

- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails

Default value: 8

- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

## endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https

Allowed values: http, https

- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs

- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

## output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)

- The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Delete package with endeavor profile set up:
  - `zowe endeavor delete package packageName -i ENDEVOR`

## zowe › endeavor › deny

---

Deny a Package in Endeavor.

### zowe › endeavor › deny › package

The deny package command changes the status of a Package to Denied.

## Usage

```
zowe endeavor deny package [package] [options]
```

## Positional Arguments

- `package` (*string*)
  - Name of the Endeavor package.

## options

- `--notes` | `-n` (*string*)
  - Notes for package.
- `--notes-from-file` | `--nff` (*string*)
  - Local file of notes for package.

## endeavor-location definition options

- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails

Default value: 8

- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

## endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https

Allowed values: http, https

- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs

- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

## output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)

- The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Deny package with endeavor profile set up, specifying denial notes:
  - `zowe endeavor deny package packageName -n "notes" -i ENDEVOR`

## zowe › endeavor › execute

---

Execute a Package in Endeavor.

### zowe › endeavor › execute › package

The execute package command executes a Package that have a status of Approved or Execfailed.

## Usage

```
zowe endeavor execute package [package] [options]
```

## Positional Arguments

- `package` (*string*)
  - Name of the Endeavor package.

## options

- `--from-date-time` | `--fdt` (*string*)
  - Specify the beginning of time frame within which the package can be executed. Use yyyy-mm-ddThh:mm or see ISO 8601 standard for syntax.

- `--to-date-time` | `--tdt` (*string*)
  - Specify the end of time frame within which the package can be executed. Use yyyy-mm-ddThh:mm or see ISO 8601 standard for syntax.
- `--status` | `--st` (*string*)
  - Specify the status of the packages. Valid values are [APPROVED, EXECFAILED] for execute action, and additional values [INEDIT, INAPPROVAL, INEXECUTION, EXECUTED, COMMITTED, DENIED] for list action, additional value [ALLSTATE] for delete action.

It is possible to specify multiple status separated by "," during list and delete package.

Allowed values: ALLSTATE, INEDIT, INAPPROVAL, APPROVED, INEXECUTION, EXECUTED, COMMITTED, DENIED, EXECFAILED

### endeavor-location definition options

- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails

Default value: 8
- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

### asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

### endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)

- Specifies the protocol used for connecting to Endeavor Rest API

Default value: https

Allowed values: http, https

- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

## output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.

- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Execute package with endeavor profile set up, specifying the time frame within which to execute the Package:
  - `zowe endeavor execute package packageName --fdt 2018-01-01T00:00 --tdt 2018-12-31T12:00 -i ENDEVOR`

## [zowe](#) › [endeavor](#) › [generate](#)

---

Generate an Element in Endeavor.

## [zowe](#) › [endeavor](#) › [generate](#) › [element](#)

The generate element command executes the generate Processor for the current level of the Element.

## Usage

zowe endeavor generate element <element> [options]

## Positional Arguments

- `element` (*string*)
  - Name of the Endeavor element.

## endeavor-location definition options

- `--environment` | `--env` (*string*)
  - The Endeavor environment where your project resides.
- `--system` | `--sys` (*string*)
  - The Endeavor system where your project resides.
- `--subsystem` | `--sub` (*string*)
  - The Endeavor subsystem where your project resides.
- `--type` | `--typ` (*string*)
  - Name of the Endeavor element's type.
- `--stage-number` | `--sn` (*string*)
  - The Endeavor stage number where your project resides.  
  
Allowed values: 1, 2
- `--ccid` | `--cci` (*string*)
  - The CCID you want to use when performing an Element action.
- `--comment` | `--com` (*string*)
  - The comment you want to have when performing an Element action
- `--maxrc` (*number*)

- The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails

Default value: 8

- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## options

- `--proc-group` | `--pg` (*string*)
  - The Endeavor processor group you would like to use.
- `--search` | `--sea` (*boolean*)
  - Enables the search through the Endeavor map.
- `--copy-back` | `--cb` (*boolean*)
  - Specify if you want to copy the current level of the Element back to the FROM Stage, then perform this action. Do not use with `--nosource` option.
- `--override-signout` | `--os` (*boolean*)
  - Specify if you want to override the Signout of an Endeavor element while performing this action.
- `--nosource` | `--ns` (*boolean*)
  - Specify if you want to have source-less Element. Do not use with `--copy-back` option.
- `--where-ccid-all` | `--wca` (*string*)
  - Instructs Endeavor to search both the Master Control File and the SOURCE DELTA levels for a specified CCIDs.  
Accepts up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-ccid-current` | `--wcc` (*string*)
  - Instructs Endeavor to search through the CCID fields in the Master Control File to find a specified CCIDs.  
Accept up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.

- `--where-ccid-retrieve` | `--wcr` (*string*)
  - Instructs Endeavor to use the CCID in the Master Control File RETRIEVE CCID field. Accepts up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-processor-group` | `--wpg` (*string*)
  - Lets you select Elements according to a specified Processor group. You can use a wildcard when specifying the Processor group name. Accepts up to 8 Processor group names separated by ", ".

### asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

### endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API
 

Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs

- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

## output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)

- The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Generate an element with endeavor profile set up, specifying option Copyback:
  - `zowe endeavor generate element elementName --env ENV --sn 1 --sys SYS --sub SUB --typ TYPE --cb -i ENDEVOR`

## zowe › endeavor › initialize

---

Initialize a directory as an Endeavor workspace.

### zowe › endeavor › initialize › workspace

Initialize current directory as an Endeavor workspace.

## Usage

```
zowe endeavor initialize workspace [workspace-dir] [options]
```

## Positional Arguments

- `workspace-dir` (*string*)
  - The Endeavor workspace directory, if different from current working directory.

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)

- The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--host` | `-H` (*string*)
  - Host name of service on the mainframe.
- `--port` | `-P` (*number*)
  - Port number of service on the mainframe.
- `--user` | `-u` (*string*)
  - User name to authenticate to service on the mainframe.
- `--password` | `--pass` | `--pw` (*string*)
  - Password to authenticate to service on the mainframe.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)

- The file path to a certificate key file to use for authentication

## Examples

- initialize current directory as an Endeavor workspace:
  - `zowe endeavor initialize workspace`
- initialize 'myWorkspace' directory as an Endeavor workspace:
  - `zowe endeavor initialize workspace 'myWorkspace'`

## zowe › endeavor › list

---

List instances, elements, types, packages and inventory locations in Endeavor.

### zowe › endeavor › list › code-page-config

The list code-page-config command lists the EBCDIC code page mapping rules used by Endeavor Web Services

## Usage

`zowe endeavor list code-page-config [options]`

### endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API
  - Default value: https
  - Allowed values: http, https
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs

- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API
- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

### endeavor-location definition options

- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

### output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)

- File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false
- `--full-output` | `--fo` (*boolean*)
  - Specify this option if you want a full output of list action.

### asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

### Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

### Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search [Troubleshooting PEM Certificates in Zowe Docs](#).

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '`--response-format-type`' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
    - table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.
    - list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.
    - object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.
    - string: Formats output data as a string. JSON objects/arrays are stringified.
  - Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- List codepage-config with session specified:

- `zowe endeavor list code-page-config --host hostName --port 8080`

## **zowe › endeavor › list › defaults**

List the contents of the main Endeavor configuration table (C1DEFLT5)

### **Usage**

`zowe endeavor list defaults [options]`

### **endeavor session definition options**

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https  
Allowed values: http, https
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API
- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https

Allowed values: http, https

- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

### endeavor-location definition options

- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

### output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false
- `--full-output` | `--fo` (*boolean*)

- Specify this option if you want a full output of list action.

## asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)

- Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '--response-format-type' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
 

table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.

list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.

object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.

string: Formats output data as a string. JSON objects/arrays are stringified.

Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)
  - If "--response-format-type table" is specified, include the column headers in the output.

## Examples

- List the contents of the main Endeavor configuration table (C1DEFLTS):
  - `zowe endeavor list defaults`

## [zowe](#) › [endeavor](#) › [list](#) › [dialog](#)

List the contents of the Endeavor ISPF dialog defaults table (ENDIECFG)

## Usage

`zowe endeavor list dialog [options]`

## endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.

- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https  
Allowed values: http, https
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API
- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)

- Specifies the base path used for connecting to Endeavor Rest API

## endeavor-location definition options

- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false
- `--full-output` | `--fo` (*boolean*)
  - Specify this option if you want a full output of list action.

## asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)

- The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '--response-format-type' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:  
  
table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.

list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.

object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.

string: Formats output data as a string. JSON objects/arrays are stringified.

Allowed values: table, list, object, string

- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- List the contents of the Endeavor ISPF dialog defaults table (ENDIECFG):
  - `zowe endeavor list dialog`

## [zowe](#) › [endeavor](#) › [list](#) › [elements](#)

The list elements command lists element information in Endeavor

## Usage

```
zowe endeavor list elements [element] [options]
```

## Positional Arguments

- `element` (*string*)
  - Name of the Endeavor element

## endeavor-location definition options

- `--environment` | `--env` (*string*)
  - The Endeavor environment where your project resides.
- `--system` | `--sys` (*string*)
  - The Endeavor system where your project resides.
- `--subsystem` | `--sub` (*string*)
  - The Endeavor subsystem where your project resides.

- `--type` | `--typ` (*string*)
  - Name of the Endeavor element's type.
- `--stage-number` | `--sn` (*string*)
  - The Endeavor stage number where your project resides.  
Allowed values: \\*, \% , 1, 2
- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails  
Default value: 8
- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## options

- `--path` | `--pa` (*string*)
  - Specifies a PHYSical or LOGical path.  
Allowed values: log, phy
- `--return` | `--ret` (*string*)
  - Sets mapping options for returned results: return FIRst match or ALL matching results.  
Allowed values: fir, all
- `--search` | `--sea` (*boolean*)
  - Enables the search through the Endeavor map.
- `--data` | `--dat` (*string*)
  - Allows to select the type of summary data returned in the element list:  
ALL - Full element information  
BAS - Basic element information  
ELE - Element change level summary  
COMP - Component change level summary

When data=ALL --fo (full-output) always takes place unless there is a --rff (response-format-filter).

In all other cases default set of columns will be shown.

Allowed values: all, bas, ele, comp

- `--where-ccid-current` | `--wcc` (*string*)
  - Instructs Endeavor to search through the CCID fields in the Master Control File to find a specified CCIDs.  
Accept up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-ccid-generate` | `--wgc` (*string*)
  - Instructs Endeavor to search using the generate CCID associated with an Element.  
Accepts up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-ccid-lastact` | `--wcla` (*string*)
  - Instructs Endeavor to search using the last action CCID associated with an Element.  
Accepts up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-ccid-lastlvl` | `--wcll` (*string*)
  - Instructs Endeavor to search using the last level CCID associated with an Element.  
Accepts up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-ccid-change` | `--wcchg` (*string*)
  - This option is only valid when the data option is ele or comp. Instructs Endeavor to filter the results of the list data summary function that is based on the specified ccids.  
Accepts up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-ccid-retrieve` | `--wcr` (*string*)
  - Instructs Endeavor to use the CCID in the Master Control File RETRIEVE CCID field.  
Accepts up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-proc-type` | `--wpt` (*string*)

- Lets you select Elements according to a specified Processor type.

Allowed values: GEN, GENERATE, MOV, MOVE, DEL, DELETE

- `--where-proc-group` | `--wpg` (*string*)

- Lets you select Elements according to a specified Processor group. You can use a wildcard when specifying the Processor group name.

Accepts up to 8 Processor group names separated by ", ".

- `--limit` | `--lim` (*number*)

- Maximum number of results to return, where 0 is NOLIMIT.

### endeavor search text options

- `--search-text` | `--stext` (*string*)

- Search string(s) separated with AND or OR. E.g.: string\_1 AND string\_2 AND string\_3 OR string\_4.

For complex search strings with quotation marks use search-text-file parameter.

- `--search-text-file` | `--stf` (*string*)

- File which contains search string(s) separated with AND or OR. Recommended for complex search strings with quotation marks.

- `--search-in` | `--si` (*string*)

- 2 letters describing where search should be performed:

es - Element Source

eh - Element History

ec - Element Changes

eu - Element Summary

cs - Components Source

ch - Components History

cc - Components Changes

cu - Components Summary.

Allowed values: es, eh, ec, eu, cs, ch, cc, cu

- `--search-from` | `--sf` (*number*)

- Beginning interval of the column range for the search-text.

- `--search-to` | `--st` (*number*)
  - Ending interval of the column range for the search-text.
- `--search-ignore-case` | `--ic` (*boolean*)
  - Ignore search case.
- `--search-in-binary` | `--bin` (*boolean*)
  - Should the text search be performed in binary elements.
- `--search-limit` | `--sl` (*number*)
  - Maximum search limit where 0 is NOLIMIT.

### scl generation options

- `--to-package` | `--tp` (*string*)
  - Specifies the package to which the SCL has to be appended. This option requires scl-action
- `--scl-action` | `--sa` (*string*)
  - Specifies the action for the SCL that has to be built.

Allowed values: GENERATE, MOVE, DELETE

### endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)

- Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

### output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false
- `--full-output` | `--fo` (*boolean*)
  - Specify this option if you want a full output of list action.

### asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

### Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.
 

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '--response-format-type' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:

table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.

list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.

object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.

string: Formats output data as a string. JSON objects/arrays are stringified.

Allowed values: table, list, object, string

- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- List elements in Endeavor from the specified inventory location with the endeavor profile set up:
  - `zowe endeavor list elements -i ENDEVOR --env ENVNAME --sn 1 --sys SYSNAME --sub SUBNAME --typ TYPENAME`
- List elements in Endeavor using search text string:
  - `zowe endeavor list elements --stext "first or second and third"`

## [zowe](#) › [endeavor](#) › [list](#) › [environments](#)

The list environments command lists environments in Endeavor

### Usage

```
zowe endeavor list environments [environment] [options]
```

### Positional Arguments

- `environment` (*string*)
  - Name of the Endeavor environment.

### endeavor-location definition options

- `--maxrc` (*number*)

- The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails

Default value: 8

- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## options

- `--path` | `--pa` (*string*)
  - Specifies a PHYSical or LOGical path.  
Allowed values: log, phy
- `--return` | `--ret` (*string*)
  - Sets mapping options for returned results: return FIRst match or ALL matching results.  
Allowed values: fir, all
- `--search` | `--sea` (*boolean*)
  - Enables the search through the Endeavor map.

## endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API  
Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)
  - Specifies the user name.

- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

### output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false
- `--full-output` | `--fo` (*boolean*)
  - Specify this option if you want a full output of list action.

### asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

### Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)

- The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.
 

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '--response-format-type' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
 

table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the

table.

list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.

object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.

string: Formats output data as a string. JSON objects/arrays are stringified.

Allowed values: table, list, object, string

- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- List all environments in Endeavor with endeavor profile set up:
  - `zowe endeavor list environments -i ENDEVOR`

## zowe › endeavor › list › features

List the contents of the Endeavor optional features table (ENCOPTBL)

### Usage

`zowe endeavor list features [options]`

### endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https

Allowed values: http, https

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API
- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

### endeavor-location definition options

- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

### output customization options

- `--suppress-messages` | `--sm` (*boolean*)

- Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false
- `--full-output` | `--fo` (*boolean*)
  - Specify this option if you want a full output of list action.

### asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

### Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

### Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search [Troubleshooting PEM Certificates in Zowe Docs](#).
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '`--response-format-type`' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
 

table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.

list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.

object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.

string: Formats output data as a string. JSON objects/arrays are stringified.

Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- List the contents of the Endeavor optional features table (ENCOPTBL):
  - `zowe endeavor list features`

## [zowe](#) › [endeavor](#) › [list](#) › [instances](#)

The list instances command lists instances used by Endeavor Web Services

## Usage

`zowe endeavor list instances [options]`

### endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https  
Allowed values: http, https
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

### output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--full-output` | `--fo` (*boolean*)

- Specify this option if you want a full output of list action.

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--user` | `-u` (*string*)
  - User name to authenticate to service on the mainframe.
- `--password` | `--pass` | `--pw` (*string*)
  - Password to authenticate to service on the mainframe.
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)

- Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '--response-format-type' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
 

table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.

list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.

object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.

string: Formats output data as a string. JSON objects/arrays are stringified.

Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)
  - If "--response-format-type table" is specified, include the column headers in the output.

## Examples

- List instances with session specified:
  - `zowe endeavor list instances --host hostName --port 8080`

## zowe › endeavor › list › packages

The list packages command lists package information in Endeavor

### Usage

```
zowe endeavor list packages [package] [options]
```

### Positional Arguments

- `package` (*string*)
  - Name of the Endeavor package.

## options

- `--status` | `--st` (*string*)
  - Specify the status of the packages. Valid values are [APPROVED, EXECFAILED] for execute action, and additional values [INEDIT, INAPPROVAL, INEXECUTION, EXECUTED, COMMITTED, DENIED] for list action, additional value [ALLSTATE] for delete action.  
It is possible to specify multiple status separated by "," during list and delete package.  
  
Allowed values: ALLSTATE, INEDIT, INAPPROVAL, APPROVED, INEXECUTION, EXECUTED, COMMITTED, DENIED, EXECFAILED
- `--emergency-package` | `--ep` (*boolean*)
  - Specify if the package should be an emergency package. When not specified, the package is a standard package.
- `--enterprise` | `--ent` (*string*)
  - Specify to filter the list by enterprise Package parameter. A - All, E - Enterprise, X - eXclude.  
  
Allowed values: A, E, X
- `--promotion-status` | `--ps` (*string*)
  - Specify to filter the list by promotion Package parameter. A - All, P - Promotion, X - eXclude.  
  
Allowed values: A, P, X
- `--prom-target-env` | `--pte` (*string*)
  - Promotion target environment. Specifies the promotion package target environment. This field only applies to promotion packages and can only be specified when the promotion package type is A or P.
- `--prom-target-stgID` | `--pts` (*string*)
  - Promotion target stage ID. Specifies the promotion package target stage ID. This field only applies to promotion packages and can only be specified when the promotion package type is A or P.
- `--approver` | `--apr` (*string*)

- Specifies a one to eight character approver ID. Only one approver ID can be specified and name masking is not supported.
- `--limit` | `--lim` (*number*)
  - Maximum number of results to return, where 0 is NOLIMIT.

### endevor-location definition options

- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails

Default value: 8
- `--instance` | `-i` (*string*)
  - Specifies Endevor Web Services dataSource name.

### endevor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endevor Rest API

Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)

- Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

### output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false
- `--full-output` | `--fo` (*boolean*)
  - Specify this option if you want a full output of list action.

### asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

### Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '`--response-format-type`' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:  
  
table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.  
  
list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.

object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.

string: Formats output data as a string. JSON objects/arrays are stringified.

Allowed values: table, list, object, string

- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- List all packages in Endeavor with endeavor profile set up:
  - `zowe endeavor list packages -i ENDEVOR`

## zowe › endeavor › list › processor-groups

The list processor-groups command lists processor group information in Endeavor

## Usage

`zowe endeavor list processor-groups [proc-group] [options]`

## Positional Arguments

- `proc-group` (*string*)
  - Name of the Endeavor processor group

## endeavor-location definition options

- `--environment` | `--env` (*string*)
  - The Endeavor environment where your project resides.
- `--system` | `--sys` (*string*)
  - The Endeavor system where your project resides.
- `--stage-number` | `--sn` (*string*)
  - The Endeavor stage number where your project resides.

Allowed values: \\*, \%, 1, 2

- `--type` | `--typ` (*string*)
  - Name of the Endeavor element's type.
- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails

Default value: 8
- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## options

- `--path` | `--pa` (*string*)
  - Specifies a PHYSical or LOGical path.

Allowed values: log, phy
- `--return` | `--ret` (*string*)
  - Sets mapping options for returned results: return FIRSt match or ALL matching results.

Allowed values: fir, all
- `--search` | `--sea` (*boolean*)
  - Enables the search through the Endeavor map.

## endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https

Allowed values: http, https

- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

### output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false
- `--full-output` | `--fo` (*boolean*)
  - Specify this option if you want a full output of list action.

### asynchronous task options

- `--asynchronous` | `--async` (*boolean*)

- Submit this command as an asynchronous Endeavor Web Services task

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '--response-format-type' to reduce the output of a command to a single field/property or a list of a single field/property.

- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
 

table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.

list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.

object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.

string: Formats output data as a string. JSON objects/arrays are stringified.

Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- List processor groups for type TYPENAME with endeavor profile set up:
  - `zowe endeavor list processor-groups --type TYPENAME --env ENVNAME --sn 1 --sys SYSNAME -i ENDEVOR`

## [zowe](#) › [endeavor](#) › [list](#) › [processor-symbols](#)

The list processor-symbols command lists processor group symbol overrides information in Endeavor

### Usage

```
zowe endeavor list processor-symbols [proc-group] [options]
```

### Positional Arguments

- `proc-group` (*string*)
  - Name of the Endeavor processor group

### endeavor-location definition options

- `--environment` | `--env` (*string*)
  - The Endeavor environment where your project resides.
- `--system` | `--sys` (*string*)
  - The Endeavor system where your project resides.
- `--stage-number` | `--sn` (*string*)
  - The Endeavor stage number where your project resides.  
Allowed values: \\*, \% , 1, 2
- `--type` | `--typ` (*string*)
  - Name of the Endeavor element's type.
- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails  
Default value: 8
- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## options

- `--path` | `--pa` (*string*)
  - Specifies a PHYSical or LOGical path.  
Allowed values: log, phy
- `--return` | `--ret` (*string*)
  - Sets mapping options for returned results: return FIRst match or ALL matching results.  
Allowed values: fir, all
- `--search` | `--sea` (*boolean*)
  - Enables the search through the Endeavor map.

## endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

### output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified.  
Defaults to current directory.
- `--write-report` (*boolean*)

- Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false
- `--full-output` | `--fo` (*boolean*)
  - Specify this option if you want a full output of list action.

## asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)

- The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '`--response-format-type`' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
    - table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.
    - list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.
    - object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.
    - string: Formats output data as a string. JSON objects/arrays are stringified.
  - Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- List all processor symbols for group PROCGROUP with endeavor profile set up:
  - `zowe endeavor list processor-symbols PROCGROUP --env ENVNAME --sn 1 --sys SYSNAME --typ TYPENAME -i ENDEVOR`

## [zowe](#) › [endeavor](#) › [list](#) › [stages](#)

The list stages command lists stages in Endeavor

## Usage

zowe endeavor list stages [stage] [options]

## Positional Arguments

- `stage` (*string*)
  - Name of the Endeavor stage

## endeavor-location definition options

- `--environment` | `--env` (*string*)
  - The Endeavor environment where your project resides.
- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails

Default value: 8

- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## options

- `--path` | `--pa` (*string*)
  - Specifies a PHYSical or LOGical path.

Allowed values: log, phy
- `--return` | `--ret` (*string*)
  - Sets mapping options for returned results: return FIRSt match or ALL matching results.

Allowed values: fir, all
- `--search` | `--sea` (*boolean*)
  - Enables the search through the Endeavor map.

## endeavor session definition options

- `--host` | `--hostname` (*string*)

- Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

### output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified.  
Defaults to current directory.
- `--write-report` (*boolean*)

- Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false
- `--full-output` | `--fo` (*boolean*)
  - Specify this option if you want a full output of list action.

### asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

### Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

### Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)

- The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '`--response-format-type`' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
    - table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.
    - list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.
    - object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.
    - string: Formats output data as a string. JSON objects/arrays are stringified.
  - Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- List all stages in Endeavor with endeavor profile set up:
  - `zowe endeavor list stages -i ENDEAVOR`

## [zowe](#) › [endeavor](#) › [list](#) › [subsystems](#)

The list subsystems command lists subsystem information in Endeavor

## Usage

`zowe endeavor list subsystems [subsystem] [options]`

## Positional Arguments

- `subsystem` (*string*)
  - Name of the Endeavor subsystem

## endeavor-location definition options

- `--environment` | `--env` (*string*)
  - The Endeavor environment where your project resides.
- `--system` | `--sys` (*string*)
  - The Endeavor system where your project resides.
- `--stage-number` | `--sn` (*string*)
  - The Endeavor stage number where your project resides.  
  
Allowed values: \\*, \%, 1, 2
- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails  
  
Default value: 8
- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## options

- `--path` | `--pa` (*string*)
  - Specifies a PHYSical or LOGical path.  
  
Allowed values: log, phy
- `--return` | `--ret` (*string*)
  - Sets mapping options for returned results: return FIRst match or ALL matching results.  
  
Allowed values: fir, all
- `--search` | `--sea` (*boolean*)

- Enables the search through the Endeavor map.

## endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

## output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)

- Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false
- `--full-output` | `--fo` (*boolean*)
  - Specify this option if you want a full output of list action.

### asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

### Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

### Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '`--response-format-type`' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
    - table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.
    - list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.
    - object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.
    - string: Formats output data as a string. JSON objects/arrays are stringified.
  - Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- List all subsystems in Endeavor with endeavor profile set up:
  - `zowe endeavor list subsystems -i ENDEVOR`

List the Endeavor site symbols

## Usage

zowe endeavor list symbols [options]

### endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https  
Allowed values: http, https
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API
- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)

- Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

### endeavor-location definition options

- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

### output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false
- `--full-output` | `--fo` (*boolean*)
  - Specify this option if you want a full output of list action.

### asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields.

In addition, you can use this option in conjunction with '--response-format-type' to reduce the output of a command to a single field/property or a list of a single field/property.

- `--response-format-type` | `--rft` (*string*)

- The command response output format type. Must be one of the following:

`table`: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.

`list`: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.

`object`: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.

`string`: Formats output data as a string. JSON objects/arrays are stringified.

Allowed values: table, list, object, string

- `--response-format-header` | `--rfh` (*boolean*)

- If "--response-format-type table" is specified, include the column headers in the output.

## Examples

- List the Endeavor site symbols:

- `zowe endeavor list symbols`

## [zowe](#) › [endeavor](#) › [list](#) › [systems](#)

The list systems command lists system information in Endeavor

## Usage

```
zowe endeavor list systems [system] [options]
```

## Positional Arguments

- `system` (*string*)
  - Name of the Endeavor system

## endeavor-location definition options

- `--environment` | `--env` (*string*)
  - The Endeavor environment where your project resides.
- `--stage-number` | `--sn` (*string*)
  - The Endeavor stage number where your project resides.  
Allowed values: \\*, \% , 1, 2
- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails  
Default value: 8
- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## options

- `--path` | `--pa` (*string*)
  - Specifies a PHYSical or LOGical path.  
Allowed values: log, phy
- `--return` | `--ret` (*string*)
  - Sets mapping options for returned results: return FIRst match or ALL matching results.  
Allowed values: fir, all
- `--search` | `--sea` (*boolean*)
  - Enables the search through the Endeavor map.

## endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.

- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API
  - Default value: `https`
  - Allowed values: `http`, `https`
- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

### output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false
- `--full-output` | `--fo` (*boolean*)
  - Specify this option if you want a full output of list action.

## asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search [Troubleshooting PEM Certificates](#) in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)

- Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '--response-format-type' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
 

table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.

list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.

object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.

string: Formats output data as a string. JSON objects/arrays are stringified.

Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)
  - If "--response-format-type table" is specified, include the column headers in the output.

## Examples

- List all systems in Endeavor with endeavor profile set up:
  - `zowe endeavor list systems -i ENDEVOR`

## [zowe](#) › [endeavor](#) › [list](#) › [tasks](#)

List asynchronous tasks submitted by this user

### Usage

`zowe endeavor list tasks [task-id] [options]`

### Positional Arguments

- `task-id` (*string*)
  - The id of an asynchronous Endeavor web service task.

## asynchronous task options

- `--task-status` (*string*)
  - Filter tasks by status: in-progress, finished or all.  
  
Default value: all  
Allowed values: inp, fin, all

## endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API  
  
Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

## endeavor-location definition options

- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false
- `--full-output` | `--fo` (*boolean*)
  - Specify this option if you want a full output of list action.

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)

- The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search [Troubleshooting PEM Certificates](#) in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '`--response-format-type`' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
    - table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.
    - list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.
    - object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.
    - string: Formats output data as a string. JSON objects/arrays are stringified.
  - Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- List all finished tasks:
  - `zowe endeavor list tasks --task-status fin`
- List a specific task to verify its completion status:
  - `zowe endeavor list tasks 2789102296850204364`

## [zowe](#) › [endeavor](#) › [list](#) › [type-sequence](#)

List the contents of the Endeavor type sequence

### Usage

`zowe endeavor list type-sequence [options]`

### endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https  
Allowed values: http, https
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API
- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)

- Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API
  - Default value: `https`
  - Allowed values: `http`, `https`
- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

### endeavor-location definition options

- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

### output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)

- Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false
- `--full-output` | `--fo` (*boolean*)
  - Specify this option if you want a full output of list action.

## asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search [Troubleshooting PEM Certificates](#) in Zowe Docs.

- `--cert-key-file` (*local file path*)

- The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '`--response-format-type`' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
    - table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.
    - list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.
    - object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.
    - string: Formats output data as a string. JSON objects/arrays are stringified.
  - Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- List the contents of the Endeavor type sequence:
  - `zowe endeavor list type-sequence`

## [zowe](#) › [endeavor](#) › [list](#) › [types](#)

The list types command lists type information in Endeavor

## Usage

`zowe endeavor list types [type] [options]`

## Positional Arguments

- `type` (*string*)
  - Name of the Endeavor type

## endeavor-location definition options

- `--environment` | `--env` (*string*)
  - The Endeavor environment where your project resides.
- `--system` | `--sys` (*string*)
  - The Endeavor system where your project resides.
- `--stage-number` | `--sn` (*string*)
  - The Endeavor stage number where your project resides.  
  
Allowed values: \\*, \%, 1, 2
- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails  
  
Default value: 8
- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## options

- `--path` | `--pa` (*string*)
  - Specifies a PHYSical or LOGical path.  
  
Allowed values: log, phy
- `--return` | `--ret` (*string*)
  - Sets mapping options for returned results: return FIRst match or ALL matching results.  
  
Allowed values: fir, all
- `--search` | `--sea` (*boolean*)

- Enables the search through the Endeavor map.

## endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

## output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)

- Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false
- `--full-output` | `--fo` (*boolean*)
  - Specify this option if you want a full output of list action.

### asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

### Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

### Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '`--response-format-type`' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
    - table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.
    - list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.
    - object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.
    - string: Formats output data as a string. JSON objects/arrays are stringified.
  - Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- List all types in Endeavor with endeavor profile set up:
  - `zowe endeavor list types -i ENDEVOR`

Merge Endeavor elements from one Endeavor location into another

## **zowe › endeavor › merge › element**

Merge Endeavor elements from one Endeavor location into another. Requires an initialized Endeavor workspace to perform conflict resolution. Use "synchronize workspace" command afterwards to push the result back into Endeavor.

### **Usage**

```
zowe endeavor merge element [element] [options]
```

### **Positional Arguments**

- `element` (*string*)
  - Name of the Endeavor element

### **endeavor-location definition options**

- `--environment` | `--env` (*string*)
  - The Endeavor environment where your project resides.
- `--system` | `--sys` (*string*)
  - The Endeavor system where your project resides.
- `--subsystem` | `--sub` (*string*)
  - The Endeavor subsystem where your project resides.
- `--type` | `--typ` (*string*)
  - Name of the Endeavor element's type.
- `--stage-number` | `--sn` (*string*)
  - The Endeavor stage number where your project resides.  
  
Allowed values: \\*, \%, 1, 2
- `--ccid` | `--cci` (*string*)
  - The CCID you want to use when performing an Element action.
- `--comment` | `--com` (*string*)

- The comment you want to have when performing an Element action
- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

### merge-location definition options

- `--merge-environment` | `--menv` (*string*)
  - Merge elements from this environment to the target environment (specified by 'environment'). Defaults to the same environment as the target.
- `--merge-stage-number` | `--msn` (*string*)
  - Merge elements from this stage number into the target stage number (specified by 'stage-number'). Defaults to the same stage number as the target.
- `--merge-system` | `--msys` (*string*)
  - Merge elements from this system into the target system (specified by 'system'). Defaults to the same system as the target.
- `--merge-subsystem` | `--msub` (*string*)
  - Merge elements from this subsystem into the target subsystem (specified by 'subsystem'). Defaults to the same subsystem as the target.
- `--merge-out-of-sync` | `--moos` (*boolean*)
  - Merge out-of-sync elements at the target location with their next version in the map, and attempt to resolve the out-of-sync during the next synchronization with Endeavor.

### workspace options

- `--workspace-dir` | `--wsp` (*string*)
  - The Endeavor workspace directory, if different from current working directory.  
Default value: .
- `--dry-run` | `--dr` (*boolean*)
  - List all actions the synchronization would perform, without executing them.
- `--limit` | `--lim` (*number*)

- If the synchronization would need to perform more than 'limit' Endeavor actions, do not perform the actions now, only report them. 0 means no limit.

Default value: 0

## options

- `--override-signout` | `--os` (*boolean*)
  - Specify if you want to override the Signout of any Endeavor elements affected by this action.
- `--signout` (*boolean*)
  - Specify if you want to perform the action with signing out any retrieved elements.

## endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)

- Specifies the base path used for connecting to Endeavor Rest API

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Merge element ELEMENT1 of type COBPGM from subsystem SUBFROM into the same element found in subsystem SUBTO (system, stage and env taken from current location profile):
  - `zowe endeavor merge element ELEMENT1 --type COBPGM --subsystem SUBTO --merge-subsystem SUBFROM`

- Merge any elements that are currently out of sync with their next element version up the map (map location determined by current profile):
  - `zowe endeavor merge element * --merge-out-of-sync`
- Report which elements are currently out of sync with their next element version up the map, but do not merge them yet (map location determined by current profile):
  - `zowe endeavor merge element * --merge-out-of-sync --dry-run`
- Merge all elements from system SYSFROM, subsystem SUBFROM into matching elements in system SYSTO subsystem SUBTO (system, stage and env taken from current location profile):
  - `zowe endeavor merge element * --system SYSTO --subsystem SUBTO --merge-system SYSFROM --merge-subsystem SUBFROM`
- Merge element ELEMENT1 of type COBPGM from subsystem SUBFROM into SUBTO, retrieving both elements using the provided ccid & comment, with signout, and overriding signout if necessary:
  - `zowe endeavor merge element ELEMENT1 --type COBPGM --subsystem SUBTO --merge-subsystem SUBFROM --ccid MYCCID --comment 'my comment' --signout --override-signout`

## zowe › endeavor › move

---

Move an Element in Endeavor.

### zowe › endeavor › move › element

The move element command moves Elements between inventory locations along a map.

#### Usage

```
zowe endeavor move element <element> [options]
```

#### Positional Arguments

- `element` (*string*)
  - Name of the Endeavor element.

#### endeavor-location definition options

- `--environment` | `--env` (*string*)
  - The Endeavor environment where your project resides.
- `--system` | `--sys` (*string*)
  - The Endeavor system where your project resides.
- `--subsystem` | `--sub` (*string*)
  - The Endeavor subsystem where your project resides.
- `--type` | `--typ` (*string*)
  - Name of the Endeavor element's type.
- `--stage-number` | `--sn` (*string*)
  - The Endeavor stage number where your project resides.  
  
Allowed values: 1, 2
- `--ccid` | `--cci` (*string*)
  - The CCID you want to use when performing an Element action.
- `--comment` | `--com` (*string*)
  - The comment you want to have when performing an Element action
- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails  
  
Default value: 8
- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## options

- `--proc-group` | `--pg` (*string*)
  - The Endeavor processor group you would like to use.
- `--sync` | `-s` (*boolean*)

- Specify if you want to synchronize source and current level of the Elements while performing this action.
- `--with-history` | `--wh` (*boolean*)
  - Specify if you want to preserve the change history of the Elements while performing this action.
- `--bypass-element-delete` | `--bed` (*boolean*)
  - Specify if you want to retain the Elements in the source Stage after successfully completing this action.
- `--retain-signout` | `--rs` (*boolean*)
  - Specify if you want to retain the source location signouts for all Elements at the target location while performing this action.
- `--signout-to` | `--st` (*string*)
  - Specify if you want to sign all Elements out to the specified user ID at the target Stage while performing this action.
- `--jump` | `-j` (*boolean*)
  - Specify if you want to move Elements across Environments even if those Elements exist at an intermediate Stage that is not on the map, while performing this action.
- `--where-ccid-all` | `--wca` (*string*)
  - Instructs Endeavor to search both the Master Control File and the SOURCE DELTA levels for a specified CCIDs.  
Accepts up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-ccid-current` | `--wcc` (*string*)
  - Instructs Endeavor to search through the CCID fields in the Master Control File to find a specified CCIDs.  
Accept up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-ccid-retrieve` | `--wcr` (*string*)
  - Instructs Endeavor to use the CCID in the Master Control File RETRIEVE CCID field.  
Accepts up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters

in quotes.

- `--where-proc-group` | `--wpg` (*string*)
  - Lets you select Elements according to a specified Processor group. You can use a wildcard when specifying the Processor group name.  
Accepts up to 8 Processor group names separated by ", ".

### asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

### endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API  
  
Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

## output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)

- The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Move element from specified inventory location with endeavor profile set up:
  - `zowe endeavor move element elementName --env ENV --sn 1 --sys SYS --sub SUB -  
-typ TYPE -i ENDEVOR`

## zowe › endeavor › print

---

Print an Element or a Component in Endeavor.

### zowe › endeavor › print › components

The print component command prints selected component information about Element in Endeavor.

## Usage

`zowe endeavor print components <element> [options]`

## Positional Arguments

- `element` (*string*)
  - Name of the Endeavor element.

## endeavor-location definition options

- `--environment` | `--env` (*string*)
  - The Endeavor environment where your project resides.
- `--system` | `--sys` (*string*)
  - The Endeavor system where your project resides.
- `--subsystem` | `--sub` (*string*)

- The Endeavor subsystem where your project resides.
- `--type` | `--typ` (*string*)
  - Name of the Endeavor element's type.
- `--stage-number` | `--sn` (*string*)
  - The Endeavor stage number where your project resides.

Allowed values: 1, 2
- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails

Default value: 8
- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## options

- `--level` | `--lev` (*number*)
  - Indicates the level number of the element (use along with the version option).
- `--element-version` | `--ev` (*number*)
  - Indicates the version number of the element (use along with the level option).
- `--print-comp` | `--pc` (*string*)
  - Specify the type of data to print out for print component command

Default value: browse  
Allowed values: browse, changes, history, summary
- `--search` | `--sea` (*boolean*)
  - Enables the search through the Endeavor map.
- `--headings` (*boolean*)
  - Specify it if you want to print a header on each page.

- `--explode` | `--exp` | `--ex` (*boolean*)
  - Specify to print component info from ACMQ.
- `--where-ccid-current` | `--wcc` (*string*)
  - Instructs Endeavor to search through the CCID fields in the Master Control File to find a specified CCIDs.  
Accept up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-ccid-all` | `--wca` (*string*)
  - Instructs Endeavor to search both the Master Control File and the SOURCE DELTA levels for a specified CCIDs.  
Accepts up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-ccid-retrieve` | `--wcr` (*string*)
  - Instructs Endeavor to use the CCID in the Master Control File RETRIEVE CCID field.  
Accepts up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-processor-group` | `--wpg` (*string*)
  - Lets you select Elements according to a specified Processor group. You can use a wildcard when specifying the Processor group name.  
Accepts up to 8 Processor group names separated by ", ".
- `--charset` | `--char` (*string*)
  - Specifies the clients preferred character set when retrieving, printing or updating elements.  
  
Default value: false

## output customization options

- `--to-file` | `--tf` (*string*)
  - The file name in which the data from the command output is stored
- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.

- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false

### endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API
 

Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Print selected component information about Element with endeavor profile set up:
  - `zowe endeavor print components elementName --env ENV --sn 1 --sys SYS --sub SUB --typ TYPE -i ENDEAVOR`

## [zowe](#) › [endeavor](#) › [print](#) › [element](#)

The print element command prints selected information about Element in Endeavor.

## Usage

zowe endeavor print element <element> [options]

## Positional Arguments

- `element` (*string*)
  - Name of the Endeavor element.

## endeavor-location definition options

- `--environment` | `--env` (*string*)
  - The Endeavor environment where your project resides.
- `--system` | `--sys` (*string*)
  - The Endeavor system where your project resides.
- `--subsystem` | `--sub` (*string*)
  - The Endeavor subsystem where your project resides.
- `--type` | `--typ` (*string*)
  - Name of the Endeavor element's type.
- `--stage-number` | `--sn` (*string*)
  - The Endeavor stage number where your project resides.  
  
Allowed values: \\*, \%, 1, 2
- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails  
  
Default value: 8
- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## options

- `--level` | `--lev` (*number*)

- Indicates the level number of the element (use along with the version option).
- `--element-version` | `--ev` (*number*)
  - Indicates the version number of the element (use along with the level option).
- `--print` (*string*)
  - Specify the type of data to print out for print element command  
 Default value: browse  
 Allowed values: browse, changes, history, summary, master, listing
- `--list-string` | `--ls` (*string*)
  - Specifies the one to eight character text-string used to identify the listing data set to print.
- `--search` | `--sea` (*boolean*)
  - Enables the search through the Endeavor map.
- `--headings` (*boolean*)
  - Specify it if you want to print a header on each page.
- `--explode` | `--exp` | `--ex` (*boolean*)
  - Specify to print component info from ACMQ.
- `--expand-includes` | `--expand` | `--ei` (*boolean*)
  - Indicates that INCLUDE statements should be expanded in the course of the action.
- `--where-ccid-current` | `--wcc` (*string*)
  - Instructs Endeavor to search through the CCID fields in the Master Control File to find a specified CCIDs.  
 Accept up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-ccid-all` | `--wca` (*string*)
  - Instructs Endeavor to search both the Master Control File and the SOURCE DELTA levels for a specified CCIDs.  
 Accepts up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.

- `--where-ccid-retrieve` | `--wcr` (*string*)
  - Instructs Endeavor to use the CCID in the Master Control File RETRIEVE CCID field. Accepts up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-processor-group` | `--wpg` (*string*)
  - Lets you select Elements according to a specified Processor group. You can use a wildcard when specifying the Processor group name. Accepts up to 8 Processor group names separated by ", ".
- `--charset` | `--char` (*string*)
  - Specifies the clients preferred character set when retrieving, printing or updating elements.

Default value: false

### asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

### output customization options

- `--to-file` | `--tf` (*string*)
  - The file name in which the data from the command output is stored
- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)

- Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false

### endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

### Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Print element from specified inventory location with endeavor profile set up:
  - `zowe endeavor print element elementName --env ENV --sn 1 --sys SYS --sub SUB --typ TYPE -i ENDEVOR`

## [zowe](#) › [endeavor](#) › [print](#) › [member](#)

The print member command prints a member from a specified dataset.

## Usage

```
zowe endeavor print member <member> [options]
```

## Positional Arguments

- `member` (*string*)
  - Name of the member.

## input sources options

- `--from-dataset` | `--fd` (*string*)
  - Use this input to provide source data set name.

## options

- `--headings` (*boolean*)
  - Specify it if you want to print a header on each page.
- `--charset` | `--char` (*string*)
  - Specifies the clients preferred character set when retrieving, printing or updating elements.

Default value: false

## asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

## output customization options

- `--to-file` | `--tf` (*string*)
  - The file name in which the data from the command output is stored
- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified.  
Defaults to current directory.
- `--write-report` (*boolean*)

- Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false

### endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

### endeavor-location definition options

- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

### Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)

- The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.
 

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Print a member from specified dataset:
  - `zowe endeavor print member memName --fd DSNAME -i ENDEVOR`

## [zowe](#) › [endeavor](#) › [queryacm](#)

---

Query Elements and information about their components in Endeavor.

## [zowe](#) › [endeavor](#) › [queryacm](#) › [components](#)

Query components used by a specified Element with the Endeavor ACM Query facility.

## Usage

zowe endeavor queryacm components <element> [options]

## Positional Arguments

- `element` (*string*)
  - Name of the Endeavor element.

## endeavor-location definition options

- `--environment` | `--env` (*string*)
  - The Endeavor environment where your project resides.
- `--system` | `--sys` (*string*)
  - The Endeavor system where your project resides.
- `--subsystem` | `--sub` (*string*)
  - The Endeavor subsystem where your project resides.
- `--type` | `--typ` (*string*)
  - Name of the Endeavor element's type.
- `--stage-number` | `--sn` (*string*)
  - The Endeavor stage number where your project resides.  
  
Allowed values: \\*, \%, 1, 2
- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails  
  
Default value: 8
- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## options

- `--excCirculars` | `--exc` (*boolean*)

- Filters the result to exclude components that have a circular relationship to the subject of your search.
- `--excIndirect` | `--exi` (*boolean*)
  - Filters the result to exclude indirectly related components.
- `--excRelated` | `--exr` (*boolean*)
  - Filters the result to exclude related components.

### output customization options

- `--full-output` | `--fo` (*boolean*)
  - Specify this option if you want a full output of list action.
- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false

### asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

### endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.

- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '`--response-format-type`' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
 

table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.

list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.

object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.

string: Formats output data as a string. JSON objects/arrays are stringified.

Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- query all the components used by element "elementName" from the specified inventory location with the endeavor profile set up:

- `zowe endeavor queryacm components elementName --env ENVNAME --sn 1 --sys SYSNAME --sub SUBNAME --typ TYPENAME -i ENDEVOR`

## zowe › endeavor › reset

---

Reset a Package in Endeavor.

### zowe › endeavor › reset › package

The reset package command lets you set the status of a Package back to In-edit so you can modify it.

### Usage

`zowe endeavor reset package [package] [options]`

### Positional Arguments

- `package` (*string*)
  - Name of the Endeavor package.

### endeavor-location definition options

- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails

Default value: 8

- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

### asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

## endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

## output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified.  
Defaults to current directory.

- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.
 

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Reset package with endeavor profile set up:
  - `zowe endeavor reset package packageName -i ENDEVOR`

## zowe › endeavor › retrieve

---

Retrieve an Element in Endeavor.

### zowe › endeavor › retrieve › element

The retrieve element command retrieves an existing element in Endeavor.

#### Usage

```
zowe endeavor retrieve element <element> [options]
```

#### Positional Arguments

- `element` (*string*)
  - Name of the Endeavor element.

#### endeavor-location definition options

- `--environment` | `--env` (*string*)
  - The Endeavor environment where your project resides.
- `--system` | `--sys` (*string*)
  - The Endeavor system where your project resides.
- `--subsystem` | `--sub` (*string*)
  - The Endeavor subsystem where your project resides.
- `--type` | `--typ` (*string*)
  - Name of the Endeavor element's type.
- `--stage-number` | `--sn` (*string*)
  - The Endeavor stage number where your project resides.  
  
Allowed values: \\*, \%, 1, 2
- `--ccid` | `--cci` (*string*)
  - The CCID you want to use when performing an Element action.

- `--comment` | `--com` (*string*)
  - The comment you want to have when performing an Element action
- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails

Default value: 8
- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## options

- `--element-version` | `--ev` (*number*)
  - Indicates the version number of the element (use along with the level option).
- `--level` | `--lev` (*number*)
  - Indicates the level number of the element (use along with the version option).
- `--override-signout` | `--os` (*boolean*)
  - Specify if you want to override the Signout of an Endeavor element while performing this action.
- `--signout` (*boolean*)
  - Specify if you want to perform the action with signing the element out.
- `--replace-member` | `--replace` | `--rm` (*boolean*)
  - Specify if you want to replace the member currently in the library with the new element contents
- `--expand-includes` | `--expand` | `--ei` (*boolean*)
  - Indicates that INCLUDE statements should be expanded in the course of the action.
- `--search` | `--sea` (*boolean*)
  - Enables the search through the Endeavor map.

- `--get-fingerprint` | `--gfg` (*boolean*)
  - Return fingerprint of a retrieved, added or updated element as the first line of the response.

Default value: false
- `--where-ccid-all` | `--wca` (*string*)
  - Instructs Endeavor to search both the Master Control File and the SOURCE DELTA levels for a specified CCIDs.

Accepts up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-ccid-current` | `--wcc` (*string*)
  - Instructs Endeavor to search through the CCID fields in the Master Control File to find a specified CCIDs.

Accept up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-ccid-retrieve` | `--wcr` (*string*)
  - Instructs Endeavor to use the CCID in the Master Control File RETRIEVE CCID field.

Accepts up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-processor-group` | `--wpg` (*string*)
  - Lets you select Elements according to a specified Processor group. You can use a wildcard when specifying the Processor group name.

Accepts up to 8 Processor group names separated by ", ".
- `--charset` | `--char` (*string*)
  - Specifies the clients preferred character set when retrieving, printing or updating elements.

Default value: false

## output location options

- `--to-path` | `--tp` (*string*)
  - Provide a USS path to a destination location.

- `--to-uss-file` | `--tuf` (*string*)
  - Provide a USS file as a destination file.
- `--to-dataset` | `--td` (*string*)
  - Provide a destination data set name.
- `--to-member` | `--tm` (*string*)
  - Provide a destination member name inside the data set.

### output customization options

- `--to-file` | `--tf` (*string*)
  - The file name in which the data from the command output is stored
- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false

### bulk action options

- `--to-dir` | `--tdir` (*string*)
  - Directory name in which the command output will be stored.
- `--flat` (*boolean*)
  - Store the output of the bulk action within one folder. When you use this option, ensure that the results do not contain duplicate names. (Duplicate names occur when two or

more Elements have the same name and type.)

- `--with-dependencies` | `--wd` (*boolean*)
  - Retrieve Elements, including their Endeavor-managed input components.
- `--where-ccid-generate` | `--wcg` (*string*)
  - Instructs Endeavor to search using the generate CCID associated with an Element. Accepts up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-ccid-lastact` | `--wcla` (*string*)
  - Instructs Endeavor to search using the last action CCID associated with an Element. Accepts up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-ccid-lastlvl` | `--wcll` (*string*)
  - Instructs Endeavor to search using the last level CCID associated with an Element. Accepts up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-ccid-change` | `--wcchg` (*string*)
  - This option is only valid when the data option is ele or comp. Instructs Endeavor to filter the results of the list data summary function that is based on the specified ccids. Accepts up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--file-extension` | `--ext` (*string*)
  - The strategy for deciding what file extension to use during a bulk retrieve or workspace synchronization. Must be one of the following:

none: File name is equal to element name, no extension is added.

file\ext: The file extension defined in the Type definition is used; If r

type\name: The type name is used as the file extension.

mixed: The file extension defined in Type definition is used; If not defir

Default value: mixed

Allowed values: none, file-ext, type-name, mixed

## endeavor session definition options

- `--host` | `--hostname` (*string*)

- Specifies the base host name.

- `--port` | `-p` (*string*)

- Specifies the port number.

- `--protocol` | `--prot` (*string*)

- Specifies the protocol used for connecting to Endeavor Rest API

Default value: https

Allowed values: http, https

- `--user` | `--username` (*string*)

- Specifies the user name.

- `--password` | `--pass` (*string*)

- Specifies the user's password.

- `--reject-unauthorized` | `--ru` (*boolean*)

- Specify this option to have the server certificate verified against the list of supplied CAs

- `--base-path` | `--bp` (*string*)

- Specifies the base path used for connecting to Endeavor Rest API

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)

- The name of a (endeavor) profile to load for this command execution.

- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)

- The name of a (endeavor-location) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)

- The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '--response-format-type' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:  
  
table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.  
  
list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.  
  
object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.

string: Formats output data as a string. JSON objects/arrays are stringified.

Allowed values: table, list, object, string

- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- Retrieve element from specified inventory location to local file with endeavor profile set up:
  - `zowe endeavor retrieve element elementName --env ENVNAME --sn 1 --sys SYSNAME --sub SUBNAME --typ TYPENAME --tf localfile.txt -i ENDEVOR`
- Bulk Retrieve elements with wildcarded element name and type, to local directory with endeavor profile set up:
  - `zowe endeavor retrieve element "*" --env ENVNAME --sn 1 --sys SYSNAME --sub SUBNAME --typ "*" --to-dir /user/localdir -i ENDEVOR`

## [zowe](#) › [endeavor](#) › [retrieve](#) › [result](#)

Retrieve the result of an asynchronous task

### Usage

```
zowe endeavor retrieve result [task-id] [options]
```

### Positional Arguments

- `task-id` (*string*)
  - The id of an asynchronous Endeavor web service task.

### endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)

- Specifies the protocol used for connecting to Endeavor Rest API

Default value: https

Allowed values: http, https

- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

### endeavor-location definition options

- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

### output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search [Troubleshooting PEM Certificates in Zowe Docs](#).
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '`--response-format-type`' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)

- The command response output format type. Must be one of the following:

**table:** Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.

**list:** Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.

**object:** Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.

**string:** Formats output data as a string. JSON objects/arrays are stringified.

Allowed values: table, list, object, string

- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- Retrieve the result of task 2789102296850204364:
  - `zowe endeavor retrieve result 2789102296850204364`

## zowe › endeavor › signin

---

Signin an Element in Endeavor.

## zowe › endeavor › signin › element

The signin element command signs in an existing element in Endeavor.

## Usage

`zowe endeavor signin element <element> [options]`

## Positional Arguments

- `element` (*string*)
  - Name of the Endeavor element.

## endeavor-location definition options

- `--environment` | `--env` (*string*)
  - The Endeavor environment where your project resides.
- `--system` | `--sys` (*string*)
  - The Endeavor system where your project resides.
- `--subsystem` | `--sub` (*string*)
  - The Endeavor subsystem where your project resides.
- `--type` | `--typ` (*string*)
  - Name of the Endeavor element's type.
- `--stage-number` | `--sn` (*string*)
  - The Endeavor stage number where your project resides.

Allowed values: 1, 2
- `--ccid` | `--cci` (*string*)
  - The CCID you want to use when performing an Element action.
- `--comment` | `--com` (*string*)
  - The comment you want to have when performing an Element action
- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails

Default value: 8
- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## options

- `--proc-group` | `--pg` (*string*)
  - The Endeavor processor group you would like to use.
- `--search` | `--sea` (*boolean*)

- Enables the search through the Endeavor map.
- `--override-signout` | `--os` (*boolean*)
  - Specify if you want to override the Signout of an Endeavor element while performing this action.
- `--signout-to` | `--st` (*string*)
  - Specify if you want to sign all Elements out to the specified user ID at the target Stage while performing this action.
- `--where-ccid-all` | `--wca` (*string*)
  - Instructs Endeavor to search both the Master Control File and the SOURCE DELTA levels for a specified CCIDs.  
Accepts up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-ccid-current` | `--wcc` (*string*)
  - Instructs Endeavor to search through the CCID fields in the Master Control File to find a specified CCIDs.  
Accept up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-ccid-retrieve` | `--wcr` (*string*)
  - Instructs Endeavor to use the CCID in the Master Control File RETRIEVE CCID field.  
Accepts up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-processor-group` | `--wpg` (*string*)
  - Lets you select Elements according to a specified Processor group. You can use a wildcard when specifying the Processor group name.  
Accepts up to 8 Processor group names separated by ", ".

### asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

### endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

### output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified.  
Defaults to current directory.
- `--write-report` (*boolean*)

- Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Signin element with endeavor profile set up:
  - `zowe endeavor signin element elementName --env ENV --sn 1 --sys SYS --sub SUB --typ TYPE -i ENDEVOR`

## zowe › endeavor › submit

---

Submit a Package or a SCL file in Endeavor.

### zowe › endeavor › submit › package

The submit package command submits a JCL job stream to execute one or more Packages.

#### Usage

```
zowe endeavor submit package [package] [options]
```

#### Positional Arguments

- `package` (*string*)
  - Name of the Endeavor package.

#### input sources options

- `--from-file` | `--ff` (*string*)
  - Use this input to provide source file.
- `--from-dataset` | `--fd` (*string*)
  - Use this input to provide source data set name.
- `--from-member` | `--fm` (*string*)
  - Use this input to provide source member name in the data set.

#### output location options

- `--to-CA7` | `--t7` (*boolean*)
  - Specify to send the submission of the package to CA 7 scheduler.
- `--to-ddname` | `--tdd` (*string*)
  - Send the submission of the package to be processed according to a DDName specified in the starter task (STC).

#### options

- `--status` | `--st` (*string*)

- Specify the status of the packages. Valid values are [APPROVED, EXECFAILED] for execute action, and additional values [INEDIT, INAPPROVAL, INEXECUTION, EXECUTED, COMMITTED, DENIED] for list action, additional value [ALLSTATE] for delete action.

It is possible to specify multiple status separated by "," during list and delete package.

Allowed values: ALLSTATE, INEDIT, INAPPROVAL, APPROVED, INEXECUTION, EXECUTED, COMMITTED, DENIED, EXECFAILED

- `--multiple-streams` | `--ms` (*boolean*)
  - Specify to submit a separate, unique job for each package. If you do not specify this, a single job with a unique job step for each package is submitted.
- `--increment-jobname` | `--ij` (*boolean*)
  - Specify to increase the last character in the jobcard you provide.
- `--jcl-procedure` | `--jp` (*string*)
  - This option lets you to identify the name of the JCL procedure that you want to invoke. ENDEVOR is used by default if any processor is specified.
- `--CA7-dependent-job` | `--7dj` (*string*)
  - Specifies a single predecessor job which must complete while demanded job is waiting in the CA 7 scheduler.

### endevor-location definition options

- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails

Default value: 8
- `--instance` | `-i` (*string*)
  - Specifies Endevor Web Services dataSource name.

### asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endevor Web Services task

## endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

## output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified.  
Defaults to current directory.

- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Submit package using jobcard from local file, with endeavor profile set up:
  - `zowe endeavor submit package packageName --ff jobcardfile.txt -i ENDEVOR`

## [zowe](#) › [endeavor](#) › [submit](#) › [scl](#)

The submit scl commands submits a SCL file to be executed.

### Usage

```
zowe endeavor submit scl [options]
```

### options

- `--scl-file` | `--sf` | `--sclf` (*string*)
  - The file which contains the Endeavor SCL you would like to submit.
- `--scl-type` | `--sclt` (*string*)
  - The category of Endeavor SCL.  
  
Allowed values: list, element, package, admin, ship, addUpdRtv

### input sources options

- `--from-file` | `--ff` (*string*)
  - Use this input to provide source file.

### endeavor-location definition options

- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails  
  
Default value: 8
- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

### asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

### endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

### output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified.  
Defaults to current directory.
- `--write-report` (*boolean*)

- Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Submit a SCL of type element, with endeavor profile set up:
  - `zowe endeavor submit scl --sf sclfile.txt --sclt element -i ENDEVOR`

## zowe › endeavor › synchronize

---

Synchronize remote Endeavor inventory with the local Endeavor workspace.

### zowe › endeavor › synchronize › workspace

Synchronize a selected subset of remote Endeavor inventory with a local Endeavor workspace

#### Usage

```
zowe endeavor synchronize workspace [workspace-dir] [options]
```

#### Positional Arguments

- `workspace-dir` (*string*)
  - The Endeavor workspace directory, if different from current working directory.

#### endeavor-location definition options

- `--environment` | `--env` (*string*)
  - The Endeavor environment where your project resides.
- `--system` | `--sys` (*string*)
  - The Endeavor system where your project resides.
- `--subsystem` | `--sub` (*string*)
  - The Endeavor subsystem where your project resides.
- `--type` | `--typ` (*string*)
  - Name of the Endeavor element's type.
- `--stage-number` | `--sn` (*string*)
  - The Endeavor stage number where your project resides.  
  
Allowed values: \\*, \%, 1, 2
- `--ccid` | `--cci` (*string*)
  - The CCID you want to use when performing an Element action.

- `--comment` | `--com` (*string*)
  - The comment you want to have when performing an Element action
- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## options

- `--override-signout` | `--os` (*boolean*)
  - Specify if you want to override the Signout of any Endeavor elements affected by this action.
- `--signout` (*boolean*)
  - Specify if you want to perform the action with signing out any retrieved elements.

## workspace options

- `--element` | `--ele` | `--elem` (*string*)
  - Name filter to synchronize only specific Endeavor element(s).
  - Default value: \*
- `--dry-run` | `--dr` (*boolean*)
  - List all actions the synchronization would perform, without executing them.
- `--reset` | `--rst` (*boolean*)
  - Revert any local changes, resetting the local workspace to match the current state of the remote Endeavor inventory.
- `--limit` | `--lim` (*number*)
  - If the synchronization would need to perform more than 'limit' Endeavor actions, do not perform the actions now, only report them. 0 means no limit.
  - Default value: 0
- `--one-way` (*boolean*)
  - Do not update Endeavor elements with local changes, only retrieve remote changes from Endeavor and resolve any conflicts.

- `--allow-deletes` | `--del` (*boolean*)
  - Allow workspace synchronization to delete unchanged Endeavor elements when it detects the corresponding local files have been deleted. Default is off to maintain backward compatibility.
- `--file-extension` | `--ext` (*string*)
  - The strategy for deciding what file extension to use during a bulk retrieve or workspace synchronization. Must be one of the following:

```

none: File name is equal to element name, no extension is added.

file\-ext: The file extension defined in the Type definition is used; If r

type\-name: The type name is used as the file extension.

mixed: The file extension defined in Type definition is used; If not defir

```

Default value: mixed

Allowed values: none, file-ext, type-name, mixed

## endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https

Allowed values: http, https

- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Synchronize all elements in the map location defined by the currently active endeavor-location profile with current directory:
  - `zowe endeavor synchronize workspace`
- Synchronize all elements in the map location defined by the currently active endeavor-location profile with workspace directory 'C:/projects/myWorkspace':
  - `zowe endeavor synchronize workspace 'C:/projects/myWorkspace'`
- Synchronize all elements in system SYSTEM1 subsystem SUBSYS1 from environment DEV stage 1, whose type begins with 'ASM', with current directory:
  - `zowe endeavor synchronize workspace --environment DEV --stage_number 1 --system SYSTEM1 --subsystem SUBSYS1 --type ASM* --ccid myccid --comment 'my changes'`
- Synchronize all elements in the map location defined by the currently active endeavor-location profile, whose name is 'PRFX' followed by any 2 characters and ending with '11', with workspace directory 'C:/projects/myWorkspace':
  - `zowe endeavor synchronize workspace 'C:/projects/myWorkspace' --ccid myccid --comment 'my changes' --element PRFX%%11`
- Display all actions needed to synchronize all elements in the map location defined by endeavor-location profile 'mysandbox' with current directory, without performing them:
  - `zowe endeavor synchronize workspace --dry-run --endeavor-location-profile mysandbox`
- Revert all local changes in the map location defined by the currently active endeavor-location profile, resetting your workspace to match Endeavor:
  - `zowe endeavor synchronize workspace --reset`

## [zowe](#) › [endeavor](#) › [transfer](#)

---

Transfer an Element in Endeavor.

### [zowe](#) › [endeavor](#) › [transfer](#) › [element](#)

The Transfer element command transfers Elements from one Endeavor location to another.

#### Usage

zowe endeavor transfer element <element> [options]

## Positional Arguments

- `element` (*string*)
  - Name of the Endeavor element.

## endeavor-location definition options

- `--environment` | `--env` (*string*)
  - The Endeavor environment where your project resides.
- `--system` | `--sys` (*string*)
  - The Endeavor system where your project resides.
- `--subsystem` | `--sub` (*string*)
  - The Endeavor subsystem where your project resides.
- `--type` | `--typ` (*string*)
  - Name of the Endeavor element's type.
- `--stage-number` | `--sn` (*string*)
  - The Endeavor stage number where your project resides.  
  
Allowed values: 1, 2
- `--ccid` | `--cci` (*string*)
  - The CCID you want to use when performing an Element action.
- `--comment` | `--com` (*string*)
  - The comment you want to have when performing an Element action
- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails  
  
Default value: 8
- `--instance` | `-i` (*string*)

- Specifies Endeavor Web Services dataSource name.

## output location options

- `--to-environment` | `--toenv` (*string*)
  - The target Endeavor environment.
- `--to-system` | `--tosys` (*string*)
  - The target Endeavor system.
- `--to-subsystem` | `--tosub` (*string*)
  - The target Endeavor subsystem.
- `--to-element` | `--toele` (*string*)
  - The target Endeavor element name.
- `--to-type` | `--totyp` (*string*)
  - The target Endeavor element type.
- `--to-stage-number` | `--tosn` (*string*)
  - The target Endeavor stage Id/number.

## options

- `--proc-group` | `--pg` (*string*)
  - The Endeavor processor group you would like to use.
- `--element-version` | `--ev` (*number*)
  - Indicates the version number of the element (use along with the level option).
- `--level` | `--lev` (*number*)
  - Indicates the level number of the element (use along with the version option).
- `--new-version` | `--nv` (*number*)
  - Assign a different version number to the Element.
- `--sync` | `-s` (*boolean*)

- Specify if you want to synchronize source and current level of the Elements while performing this action.
- `--with-history` | `--wh` (*boolean*)
  - Specify if you want to preserve the change history of the Elements while performing this action.
- `--ignore-generate-failed` | `--igf` (*boolean*)
  - Process the transfer request regardless of whether the FAILED flag is set for the element or if the element was generated or moved successfully.
- `--bypass-element-delete` | `--bed` (*boolean*)
  - Specify if you want to retain the Elements in the source Stage after successfully completing this action.
- `--bypass-delete-processor` | `--bdp` (*boolean*)
  - Specify to bypasses the execution of the delete processor.
- `--bypass-generate-processor` | `--bgp` (*boolean*)
  - Specify to bypasses the execution of the generate or move processor (whichever may be chosen) upon element transfer.
- `--retain-signout` | `--rs` (*boolean*)
  - Specify if you want to retain the source location signouts for all Elements at the target location while performing this action.
- `--signout-to` | `--st` (*string*)
  - Specify if you want to sign all Elements out to the specified user ID at the target Stage while performing this action.
- `--override-signout` | `--os` (*boolean*)
  - Specify if you want to override the Signout of an Endeavor element while performing this action.
- `--where-processor-group` | `--wpg` (*string*)
  - Lets you select Elements according to a specified Processor group. You can use a wildcard when specifying the Processor group name.

Accepts up to 8 Processor group names separated by ", ".

- `--where-ccid-all` | `--wca` (*string*)
  - Instructs Endeavor to search both the Master Control File and the SOURCE DELTA levels for a specified CCIDs.  
Accepts up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-ccid-current` | `--wcc` (*string*)
  - Instructs Endeavor to search through the CCID fields in the Master Control File to find a specified CCIDs.  
Accept up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-ccid-retrieve` | `--wcr` (*string*)
  - Instructs Endeavor to use the CCID in the Master Control File RETRIEVE CCID field.  
Accepts up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.

### asynchronous task options

- `--asynchronous` | `--async` (*boolean*)
  - Submit this command as an asynchronous Endeavor Web Services task

### endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API  
  
Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)

- Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

### output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false

### Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)

- The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Transfer element from specified inventory location to 1 stage higher in map, with endeavor profile set up:
  - `zowe endeavor transfer element elementName --env ENV --sn 1 --tosn 2 --sys SYS --sub SUB --typ TYPE -i ENDEVOR`

## zowe › endeavor › unsynchronize

---

Remove a synchronized Endeavor inventory from a local Endeavor workspace and delete any related metadata.

### zowe › endeavor › unsynchronize › workspace

Remove a selected subset of remote Endeavor inventory from a local Endeavor workspace

## Usage

```
zowe endeavor unsynchronize workspace [workspace-dir] [options]
```

## Positional Arguments

- `workspace-dir` (*string*)
  - The Endeavor workspace directory, if different from current working directory.

## endeavor-location definition options

- `--environment` | `--env` (*string*)
  - The Endeavor environment where your project resides.
- `--system` | `--sys` (*string*)
  - The Endeavor system where your project resides.
- `--subsystem` | `--sub` (*string*)
  - The Endeavor subsystem where your project resides.
- `--type` | `--typ` (*string*)
  - Name of the Endeavor element's type.
- `--stage-number` | `--sn` (*string*)
  - The Endeavor stage number where your project resides.  
  
Allowed values: \\*, \%, 1, 2
- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## workspace options

- `--element` | `--ele` | `--elem` (*string*)
  - Name filter to synchronize only specific Endeavor element(s).  
  
Default value: \*
- `--force` | `-f` (*boolean*)
  - Force unsynchronization of local workspace regardless of any local changes not yet saved into Endeavor.

## endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)

- The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Remove all elements in the map location defined by the currently active endeavor-location profile from current directory:
  - `zowe endeavor unsynchronize workspace`
- Remove all elements in the map location defined by the currently active endeavor-location profile from current directory, throwing away any local changes not saved in Endeavor:
  - `zowe endeavor unsynchronize workspace --force`
- Remove all elements in the map location defined by the currently active endeavor-location profile from workspace directory 'C:/projects/myWorkspace':
  - `zowe endeavor unsynchronize workspace 'C:/projects/myWorkspace'`
- Remove all elements in system SYSTEM1 subsystem SUBSYS1 environment DEV stage 1, whose type begins with 'ASM', from current directory:
  - `zowe endeavor unsynchronize workspace --environment DEV --stage_number 1 --system SYSTEM1 --subsystem SUBSYS1 --type ASM* --ccid myccid --comment 'my changes'`

## zowe › endeavor › update

Update an Element or a Package in Endeavor.

## zowe › endeavor › update › element

The update element command updates an Element in the entry Stage, thereby creating a new level for the Element in the entry Stage.

### Usage

```
zowe endeavor update element <element> [options]
```

### Positional Arguments

- `element` (*string*)
  - Name of the Endeavor element.

### input sources options

- `--from-file` | `--ff` (*string*)
  - Use this input to provide source file.
- `--from-dataset` | `--fd` (*string*)
  - Use this input to provide source data set name.
- `--from-member` | `--fm` (*string*)
  - Use this input to provide source member name in the data set.
- `--from-path` | `--fp` (*string*)
  - Use this input to provide the path of source USS file. It must be used with `from-uss-file`.
- `--from-uss-file` | `--fuf` (*string*)
  - Use this input to provide source USS file name. It must be used with `from-path`

### endeavor-location definition options

- `--environment` | `--env` (*string*)
  - The Endeavor environment where your project resides.
- `--system` | `--sys` (*string*)
  - The Endeavor system where your project resides.

- `--subsystem` | `--sub` (*string*)
  - The Endeavor subsystem where your project resides.
- `--type` | `--typ` (*string*)
  - Name of the Endeavor element's type.
- `--ccid` | `--cci` (*string*)
  - The CCID you want to use when performing an Element action.
- `--comment` | `--com` (*string*)
  - The comment you want to have when performing an Element action
- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails

Default value: 8
- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## options

- `--override-signout` | `--os` (*boolean*)
  - Specify if you want to override the Signout of an Endeavor element while performing this action.
- `--proc-group` | `--pg` (*string*)
  - The Endeavor processor group you would like to use.
- `--generate` | `-g` (*boolean*)
  - Specifies if you want to Generate Element after Add/Update action.
- `--get-fingerprint` | `--gfg` (*boolean*)
  - Return fingerprint of a retrieved, added or updated element as the first line of the response.

Default value: false

- `--fingerprint` | `--fg` (*string*)
  - Specifies the fingerprint of the element to Add or Update. Use value 'NEW' when adding a new element that shouldn't exist in the map yet.
- `--charset` | `--char` (*string*)
  - Specifies the clients preferred character set when retrieving, printing or updating elements.

Default value: false

- `--sync` | `-s` (*boolean*)
  - Specify if you want to synchronize source and current level of the Elements while performing this action.
- `--sync-with-history` | `--swh` (*boolean*)
  - Specify if you want to preserve the change history of the Elements while performing the synchronization during element update.
- `--sync-fingerprint` | `--sfg` (*string*)
  - Specifies the fingerprint of the element directly up the map that the updated element should be synchronized with. Prevents the sync if the element up the map doesn't match the fingerprint.

### endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https

Allowed values: http, https

- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

### output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false

### Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Update element from local file with endeavor profile set up:
  - `zowe endeavor update element elementName --env ENV --sys SYS --sub SUB --typ TYPE --ff localfile.txt -i ENDEVOR --ccid CCID --comment 'updating element'`

## [zowe](#) › [endeavor](#) › [update](#) › [package](#)

The update package command lets you update a package in Endeavor.

### Usage

```
zowe endeavor update package [package] [options]
```

### Positional Arguments

- `package` (*string*)
  - Name of the Endeavor package.

## input sources options

- `--from-file` | `--ff` (*string*)
  - Use this input to provide source file.
- `--from-dataset` | `--fd` (*string*)
  - Use this input to provide source data set name.
- `--from-member` | `--fm` (*string*)
  - Use this input to provide source member name in the data set.
- `--from-package` | `--fp` (*string*)
  - Directs the Create/Update action to copy the SCL from the package you specify into the package you are creating or updating.
- `--from-text` | `--ft` (*string*)
  - Provides a string to use as input SCL.

## options

- `--description` | `-d` (*string*)
  - Allows you to associate a 50-character description when creating or updating package.
- `--from-date-time` | `--fdt` (*string*)
  - Specify the beginning of time frame within which the package can be executed. Use yyyy-mm-ddThh:mm or see ISO 8601 standard for syntax.
- `--to-date-time` | `--tdt` (*string*)
  - Specify the end of time frame within which the package can be executed. Use yyyy-mm-ddThh:mm or see ISO 8601 standard for syntax.
- `--backout` (*boolean*)
  - Set this option to false (or specify `--no-backout`) if you don't want to have the backout facility available for this package. By default backout is enabled.  
  
Default value: true
- `--notes` | `-n` (*string*)

- Notes for package.
- `--notes-from-file` | `--nff` (*string*)
  - Local file of notes for package.
- `--emergency-package` | `--ep` (*boolean*)
  - Specify if the package should be an emergency package. When not specified, the package is a standard package.
- `--sharable` | `--sh` (*boolean*)
  - Specify this option if the package can be edited by more than one person when in In-edit status.
- `--promotion` | `--pr` (*boolean*)
  - Specify this option to define the package as a promotion package.
- `--validate-scl` | `--vs` (*boolean*)
  - Set this option to false (or specify `--no-validate-scl`) to skip validation of the package components while creating a package. By default the SCL is validated

Default value: true
- `--append` | `-a` (*boolean*)
  - Specify this option to append the SCL you are adding to the existing package SCL. Otherwise it would be replaced.

### endevor-location definition options

- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails

Default value: 8
- `--instance` | `-i` (*string*)
  - Specifies Endevor Web Services dataSource name.

### endevor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

### output customization options

- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified.  
Defaults to current directory.
- `--write-report` (*boolean*)

- Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Update package from local file with endeavor profile set up:
  - `zowe endeavor update package packageName --ff localfile.txt -i ENDEVOR`

## zowe › endeavor › view

---

View an Element or a Package SCL in Endeavor.

### zowe › endeavor › view › element

The view element command views an existing element in Endeavor.

#### Usage

```
zowe endeavor view element <element> [options]
```

#### Positional Arguments

- `element` (*string*)
  - Name of the Endeavor element.

#### endeavor-location definition options

- `--environment` | `--env` (*string*)
  - The Endeavor environment where your project resides.
- `--system` | `--sys` (*string*)
  - The Endeavor system where your project resides.
- `--subsystem` | `--sub` (*string*)
  - The Endeavor subsystem where your project resides.
- `--type` | `--typ` (*string*)
  - Name of the Endeavor element's type.
- `--stage-number` | `--sn` (*string*)
  - The Endeavor stage number where your project resides.  
  
Allowed values: 1, 2
- `--ccid` | `--cci` (*string*)
  - The CCID you want to use when performing an Element action.

- `--comment` | `--com` (*string*)
  - The comment you want to have when performing an Element action
- `--maxrc` (*number*)
  - The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails

Default value: 8
- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## options

- `--element-version` | `--ev` (*number*)
  - Indicates the version number of the element (use along with the level option).
- `--level` | `--lev` (*number*)
  - Indicates the level number of the element (use along with the version option).
- `--search` | `--sea` (*boolean*)
  - Enables the search through the Endeavor map.
- `--where-ccid-all` | `--wca` (*string*)
  - Instructs Endeavor to search both the Master Control File and the SOURCE DELTA levels for a specified CCIDs.  
Accepts up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-ccid-current` | `--wcc` (*string*)
  - Instructs Endeavor to search through the CCID fields in the Master Control File to find a specified CCIDs.  
Accept up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-ccid-retrieve` | `--wcr` (*string*)

- Instructs Endeavor to use the CCID in the Master Control File RETRIEVE CCID field. Accepts up to 8 CCIDs separated by ", ". Enclose CCIDs that contain special characters in quotes.
- `--where-proc-group` | `--wpg` (*string*)
  - Lets you select Elements according to a specified Processor group. You can use a wildcard when specifying the Processor group name. Accepts up to 8 Processor group names separated by ", ".
- `--charset` | `--char` (*string*)
  - Specifies the clients preferred character set when retrieving, printing or updating elements.

Default value: false

### output customization options

- `--to-file` | `--tf` (*string*)
  - The file name in which the data from the command output is stored
- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false

### asynchronous task options

- `--asynchronous` | `--async` (*boolean*)

- Submit this command as an asynchronous Endeavor Web Services task

## endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https  
Allowed values: http, https
- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

## Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- View element from specified inventory location to local file with endeavor profile set up:
  - `zowe endeavor view element elementName --env ENV --sn 1 --sys SYS --sub SUB -  
-typ TYPE --tf localfile.txt -i ENDEVOR`

## [zowe](#) › [endeavor](#) › [view](#) › [pkgscl](#)

The view pkgscl command views the SCL of an existing package in Endeavor.

## Usage

```
zowe endeavor view pkgscl [package] [options]
```

## Positional Arguments

- `package` (*string*)
  - Name of the Endeavor package.

## endeavor-location definition options

- `--maxrc` (*number*)

- The maximum value of the return code of a successful action. When the return code is greater than the maxrc value, the command fails

Default value: 8

- `--instance` | `-i` (*string*)
  - Specifies Endeavor Web Services dataSource name.

## output customization options

- `--to-file` | `--tf` (*string*)
  - The file name in which the data from the command output is stored
- `--suppress-messages` | `--sm` (*boolean*)
  - Suppress all [INFO]/[WARN] messages from terminal output.
- `--report-file` | `--file-name` (*string*)
  - File name for saving reports from Endeavor SCM locally.
- `--report-dir` (*string*)
  - Directory for saving reports from Endeavor SCM locally, if `--report-file` wasn't specified. Defaults to current directory.
- `--write-report` (*boolean*)
  - Write the endeavor reports to a file. By default, when return code is 0, no report will be written, unless this option is specified. When return code is bigger than 0, reports will be written to a file, unless this option is specified to be false

## endeavor session definition options

- `--host` | `--hostname` (*string*)
  - Specifies the base host name.
- `--port` | `-p` (*string*)
  - Specifies the port number.
- `--protocol` | `--prot` (*string*)
  - Specifies the protocol used for connecting to Endeavor Rest API

Default value: https

Allowed values: http, https

- `--user` | `--username` (*string*)
  - Specifies the user name.
- `--password` | `--pass` (*string*)
  - Specifies the user's password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Specify this option to have the server certificate verified against the list of supplied CAs
- `--base-path` | `--bp` (*string*)
  - Specifies the base path used for connecting to Endeavor Rest API

### Profile Options

- `--endeavor-profile` | `--endeavor-p` (*string*)
  - The name of a (endeavor) profile to load for this command execution.
- `--endeavor-location-profile` | `--endeavor-location-p` (*string*)
  - The name of a (endeavor-location) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

### Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- View SCL of package "packageName" in the console with endeavor profile set up:
  - `zowe endeavor view pkgsc1 packageName -i ENDEVOR`

## zowe › jclcheck

---

Validates the accuracy of job control language (JCL) and also helps identify execution-time errors, such as security violations and missing data sets that could cause jobs to fail.

## zowe › jclcheck › check

---

Perform a check on JCL that is contained in an MVS data set or a local file.

## zowe › jclcheck › check › data-set

Reads the specified input data set and invokes the JCLCheck service with the data set contents.

### Usage

```
zowe jclcheck check data-set <dataSet> [options]
```

### Positional Arguments

- `dataSet` (*string*)
  - The MVS data set containing the JCL contents. The data set can be a physical sequential (PS) or partitioned data set (PDS) member. The data set attributes must be recfm fixed-block (FB) and lrecl 80. The data set must be catalogued.

### Options

- `--max-return-code` | `--mrc` (*number*)
  - Specifies the maximum acceptable return code from the JCLCheck service. If the JCLCheck overall return code exceeds the value specified on this option, the command will exit with a failure status code of 1.
- `--raw-output` | `--ro` (*boolean*)
  - Causes the command to print the unformatted JCLCheck report (raw report) instead of the formatted error table. Use this option if you intend to change the format of the JCLCheck report via runtime options. Changing the format may affect the ability to produce a structured API response.

Default value: false

## JCLCheck Connection Options

- `--host` | `-H` (*string*)
  - Host name of the JCLCheck API service that is running on the mainframe system.
- `--port` | `-P` (*number*)
  - Port for the JCLCheck API service that is running on the mainframe system.
  - Default value: 12697
- `--user` | `-u` (*string*)
  - User name for authenticating connections to the JCLCheck API service that is running on the mainframe system.
- `--password` | `--pass` | `--pw` (*string*)
  - Password for authenticating connections to the JCLCheck API service that is running on the mainframe system.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
  - Default value: cajclcheck/api/v1
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.
  - Default value: true
- `--protocol` | `-o` (*string*)
  - Specifies protocol to use for JCLCheck connection (http or https).
  - Default value: https
  - Allowed values: http, https
- `--jclcheck-options` | `--jo` (*string*)
  - The desired set of JCLCheck runtime options. Specify the options exactly as you would on the PARM= or OPTIONS DD on a batch run of JCLCheck. See the JCLCheck runtime

options documentation for details on available runtime options. If you specify options that change the format of the JCLCheck reports, you should request '--raw-output'. Changing the format of the report will affect the ability to produce a structured API response.

## Profile Options

- `--jclcheck-profile` | `--jclcheck-p` (*string*)
  - The name of a (jclcheck) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Check the JCL contained in "MY.DATASET(JCL)" and print a table of statements in error:
  - `zowe jclcheck check data-set "MY.DATASET(JCL)" --host hostname --port 1234 -jclcheck-options "NOAS NOAU NOHCD NOJCL NORES NOSIGN"`
- Check the JCL contained in "MY.DATASET(JCL)" and print the raw JCLCheck report:

- `zowe jclcheck check data-set "MY.DATASET(JCL)" --host hostname --port 1234 -jclcheck-options "NOAS NOAU NOHCD NOJCL NORES NOSIGN" --raw-output`

## [zowe](#) › [jclcheck](#) › [check](#) › [local-file](#)

Reads the contents of the local file specified and invokes the JCLCheck service with the JCL contents.

### Usage

```
zowe jclcheck check local-file <localFile> [options]
```

### Positional Arguments

- `localFile` (*string*)
  - The local file containing the JCL to check. The local JCL file can contain a single job or multiple jobs (specified one after another without blank lines or line breaks). The JCL lines in the file must not exceed 80 characters.

### Options

- `--max-return-code` | `--mrc` (*number*)
  - Specifies the maximum acceptable return code from the JCLCheck service. If the JCLCheck overall return code exceeds the value specified on this option, the command will exit with a failure status code of 1.
- `--raw-output` | `--ro` (*boolean*)
  - Causes the command to print the unformatted JCLCheck report (raw report) instead of the formatted error table. Use this option if you intend to change the format of the JCLCheck report via runtime options. Changing the format may affect the ability to produce a structured API response.

Default value: false

### JCLCheck Connection Options

- `--host` | `-H` (*string*)
  - Host name of the JCLCheck API service that is running on the mainframe system.
- `--port` | `-P` (*number*)

- Port for the JCLCheck API service that is running on the mainframe system.

Default value: 12697

- `--user` | `-u` (*string*)

- User name for authenticating connections to the JCLCheck API service that is running on the mainframe system.

- `--password` | `--pass` | `--pw` (*string*)

- Password for authenticating connections to the JCLCheck API service that is running on the mainframe system.

- `--base-path` | `--bp` (*string*)

- The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.

Default value: cajclcheck/api/v1

- `--reject-unauthorized` | `--ru` (*boolean*)

- Reject self-signed certificates.

Default value: true

- `--protocol` | `-o` (*string*)

- Specifies protocol to use for JCLCheck connection (http or https).

Default value: https

Allowed values: http, https

- `--jclcheck-options` | `--jo` (*string*)

- The desired set of JCLCheck runtime options. Specify the options exactly as you would on the PARM= or OPTIONS DD on a batch run of JCLCheck. See the JCLCheck runtime options documentation for details on available runtime options. If you specify options that change the format of the JCLCheck reports, you should request '--raw-output'. Changing the format of the report will affect the ability to produce a structured API response.

## Profile Options

- `--jclcheck-profile` | `--jclcheck-p` (*string*)

- The name of a (jclcheck) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Check the JCL contained in the file "jcl.txt" and print a table of statements in error:
  - `zowe jclcheck check local-file jcl.txt --host hostname --port 1234 --jclcheck-options "NOAS NOAU NOHCD NOJCL NORES NOSIGN"`
- Check the JCL contained in the file "jcl.txt" and print the raw JCLCheck report:
  - `zowe jclcheck check local-file jcl.txt --host hostname --port 1234 --jclcheck-options "NOAS NOAU NOHCD NOJCL NORES NOSIGN" --raw-output`

## zowe › mat

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The MAT Analyze plug-in for ZOWE CLI enables you to manage monitor profiles and get the measurement analysis data using Mainframe Application Tuner (MAT)

## zowe › mat › monitor

---

Get monitor history and measurement analysis data from MAT.

## zowe › mat › monitor › codeview

---

Get the CodeView measurement details.

## zowe › mat › monitor › codeview › callerid

Get the CodeView CallerID details for the specific CSECT and module.

### Usage

```
zowe mat monitor codeview callerid [options]
```

### Options

- `--profile` (*string*)
  - Specifies the name of the profile that you want to analyze. When you specify the profile name, you get the data for the latest measurement within the specified profile.
- `--mon_num` (*number*)
  - Specifies the unique monitor number of the measurement.
- `--module` (*string*)
  - Specifies the module name that you request the CallerID details for. You get the module value from the 'codeview csect' command response. The module name can be empty (e.g., `--module "IGZCPAC"` or `--module ""`).
- `--csect` (*string*)
  - Specifies the CSECT name that you request the CallerID details for. You get the csect value from the 'codeview csect' command response. The CSECT name can be empty

(e.g., --csect "TUNCOB01" or --csect "").

## MAT Profile Options

- `--protocol` | `-o` (*string*)
  - Specifies the protocol defined for the MAT REST API server (http or https).  
  
Default value: https  
Allowed values: http, https
- `--host` | `-H` (*string*)
  - Specifies the hostname or IP address defined for the MAT REST API server (e.g. 127.0.0.0 or localhost).
- `--port` | `-P` (*number*)
  - Specifies the server port (e.g. 8080).
- `--user` | `-u` (*string*)
  - Your mainframe username.
- `--password` | `--pw` (*string*)
  - Your mainframe password.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--listingDir` | `--ldir` (*string*)
  - Specifies the directory where you want to store the registered program listings (e.g. 'c:\listings') for your immediate source code inspection. You can use the advantage of automated listing registration with MAT and listing retrieval through Endeavor® footprints for Cobol, C/C++, and Assembler programs. When a source program listing is registered

with MAT, you can enhance the histogram analysis data with the program listing details that pertain to the specific CSECT and program statement. The listing is transferred to the specified directory, which enables you to navigate directly to the line of the source code in you VS Code IDE and inspect the program statement. To use the listing retrieval option through Endeavor® footprints, you need to have the Endeavor® Web Services installed and configured and specify the Endeavor® web server details in the MAT database configuration.

## Profile Options

- `--mat-profile` | `--mat-p` (*string*)
  - The name of a (mat) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Get the CallerID details for monitor number 5, CSECT name TUNCOB01, and module name RUNCOB:

- `zowe mat monitor codeview callerid --mon_num 5 --csect "TUNCOB01" --module "RUNCOB"`
- Get the CallerID details for the latest monitor in the TESTPROF profile for CSECT name TUNCOB01 and empty module name:
  - `zowe mat monitor codeview callerid --profile TESTPROF --csect "TUNCOB01" --module ''''`
- Get the CallerID details for monitor number 5, CSECT name TUNCOB01, and module name RUNCOB, with the specific MAT profile details defined:
  - `zowe mat monitor codeview callerid --mon_num 5 --csect "TUNCOB01" --module "RUNCOB" --host "example.com" --port 12345 --user johndoe --password qwerty`

## zowe › mat › monitor › codeview › csect

Get the CodeView measurement details in Csect mode.

### Usage

`zowe mat monitor codeview csect [options]`

### Options

- `--profile` (*string*)
  - Specifies the name of the profile that you want to analyze. When you specify the profile name, you get the data for the latest measurement within the specified profile.
- `--mon_num` (*number*)
  - Specifies the unique monitor number of the measurement.

### MAT Profile Options

- `--protocol` | `-o` (*string*)
  - Specifies the protocol defined for the MAT REST API server (http or https).  
  
Default value: https  
Allowed values: http, https
- `--host` | `-H` (*string*)

- Specifies the hostname or IP address defined for the MAT REST API server (e.g. 127.0.0.0 or localhost).
- `--port` | `-P` (*number*)
  - Specifies the server port (e.g. 8080).
- `--user` | `-u` (*string*)
  - Your mainframe username.
- `--password` | `--pw` (*string*)
  - Your mainframe password.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--listingDir` | `--ldir` (*string*)
  - Specifies the directory where you want to store the registered program listings (e.g. 'c:\listings') for your immediate source code inspection. You can use the advantage of automated listing registration with MAT and listing retrieval through Endeavor® footprints for Cobol, C/C++, and Assembler programs. When a source program listing is registered with MAT, you can enhance the histogram analysis data with the program listing details that pertain to the specific CSECT and program statement. The listing is transferred to the specified directory, which enables you to navigate directly to the line of the source code in you VS Code IDE and inspect the program statement. To use the listing retrieval option through Endeavor® footprints, you need to have the Endeavor® Web Services installed and configured and specify the Endeavor® web server details in the MAT database configuration.

## Profile Options

- `--mat-profile` | `--mat-p` (*string*)

- The name of a (mat) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Get the CodeView measurement details in Csect mode for monitor number 5:
  - `zowe mat monitor codeview csect --mon_num 5`
- Get the CodeView measurement details in Csect mode for the latest monitor in the TESTPROF profile:
  - `zowe mat monitor codeview csect --profile TESTPROF`
- Get the CodeView measurement details in Csect mode for monitor number 5, with the specific MAT profile details defined:
  - `zowe mat monitor codeview csect --mon_num 5 --host "example.com" --port 12345 --user johndoe --password qwerty`

Get the Histogram details for the measurement.

## Usage

zowe mat monitor codeview histogram [options]

## Options

- `--profile` (*string*)
  - Specifies the name of the profile that you want to analyze. When you specify the profile name, you get the data for the latest measurement within the specified profile.
- `--mon_num` (*number*)
  - Specifies the unique monitor number of the measurement.
- `--module` (*string*)
  - Specifies the module name that you request the Histogram data for. You get the module value from the 'codeview csect' command response. The module name can be empty (e.g., `--module "IGZCPAC"` or `--module ""`).
- `--csect` (*string*)
  - Specifies the CSECT name that you request the Histogram data for. You get the csect value from the 'codeview csect' command response. The CSECT name can be empty (e.g., `--csect "TUNCOB01"` or `--csect ""`).
- `--group` (*string*)
  - Specifies the histogram group size parameter that defines the resolution of the histogram (e.g., `--group 32`). If you do not specify the group parameter, the group size value defaults to 4 bytes. If the source program listing is registered with MAT, the group size parameter is ignored. The `--group` parameter is optional. Lower values of the `--group` parameter result in more granular representation of the histogram data. Values: numbers between 2 and 999999.
- `--top` (*number*)
  - Specifies the maximum number of the top consuming CSECT activity locations that you want to obtain in the response (e.g., `--top 5`). If you specify `--top 0`, you get the list of all CSECT activity locations that MAT has detected during the measurement. The `--top` parameter is optional. Values: numbers between 0 and 300.

- `--listing` (*boolean*)
  - Enables you to retrieve program listing details that pertain to the specific CSECT and statement. To use the listing retrieval option, you must install and configure the Endeavor® Web Services and have the program listing for the specific measurement registered with MAT. The source code listing is retrieved through Endeavor® footprints for Cobol, C/C++, and Assembler programs. The program listing file is downloaded to your local directory that you specified with the 'listingDir' parameter in your MAT configuration profile. When you request the histogram details with the '--listing' option, the 'histogram' command returns the additional 'listing' column that contains a reference to the program listing with the specific CSECT name, program type, line and column number that pertain to the requested CSECT and statement, for example, c:listingsSA420LE.asm:382:51. If you use Visual Studio Code (VS Code) IDE, you can click on the reference in the command response in your VS Code terminal to navigate directly to the indicated source program location. The --listing parameter is optional.

## MAT Profile Options

- `--protocol` | `-o` (*string*)
  - Specifies the protocol defined for the MAT REST API server (http or https).

Default value: https  
Allowed values: http, https
- `--host` | `-H` (*string*)
  - Specifies the hostname or IP address defined for the MAT REST API server (e.g. 127.0.0.0 or localhost).
- `--port` | `-P` (*number*)
  - Specifies the server port (e.g. 8080).
- `--user` | `-u` (*string*)
  - Your mainframe username.
- `--password` | `--pw` (*string*)
  - Your mainframe password.
- `--base-path` | `--bp` (*string*)

- The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--listingDir` | `--ldir` (*string*)
  - Specifies the directory where you want to store the registered program listings (e.g. 'c:\listings') for your immediate source code inspection. You can use the advantage of automated listing registration with MAT and listing retrieval through Endeavor® footprints for Cobol, C/C++, and Assembler programs. When a source program listing is registered with MAT, you can enhance the histogram analysis data with the program listing details that pertain to the specific CSECT and program statement. The listing is transferred to the specified directory, which enables you to navigate directly to the line of the source code in you VS Code IDE and inspect the program statement. To use the listing retrieval option through Endeavor® footprints, you need to have the Endeavor® Web Services installed and configured and specify the Endeavor® web server details in the MAT database configuration.

## Profile Options

- `--mat-profile` | `--mat-p` (*string*)
  - The name of a (mat) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Get the Histogram details for monitor number 5, CSECT name TUNCOB01, and module name RUNCOB:
  - `zowe mat monitor codeview histogram --mon_num 5 --csect "TUNCOB01" --module "RUNCOB"`
- Get the Histogram details for the latest monitor in the TESTPROF profile for CSECT name TUNCOB01, empty module name, limiting the group size to 32 bytes and the number of returned records to 5 top consumers:
  - `zowe mat monitor codeview histogram --profile TESTPROF --csect "TUNCOB01" --module '' --top 5 --group 32`
- Get the Histogram details for monitor number 5, CSECT name TUNCOB01, and module name RUNCOB, limit the number of returned records to 5 top consumers, and request the listing details:
  - `zowe mat monitor codeview histogram --mon_num 5 --csect "TUNCOB01" --module "RUNCOB" --top 5 --listing`
- Get the Histogram details for monitor number 5, CSECT name TUNCOB01, and module name RUNCOB, with the specific MAT profile details defined:
  - `zowe mat monitor codeview histogram --mon_num 5 --csect "TUNCOB01" --module "RUNCOB" --host "example.com" --port 12345 --user johndoe --password qwerty`

## [zowe](#) › [mat](#) › [monitor](#) › [codeview](#) › [module](#)

Get the CodeView measurement details in Module mode.

## Usage

## zowe mat monitor codeview module [options]

### Options

- `--profile` (*string*)
  - Specifies the name of the profile that you want to analyze. When you specify the profile name, you get the data for the latest measurement within the specified profile.
- `--mon_num` (*number*)
  - Specifies the unique monitor number of the measurement.

### MAT Profile Options

- `--protocol` | `-o` (*string*)
  - Specifies the protocol defined for the MAT REST API server (http or https).  
  
Default value: https  
Allowed values: http, https
- `--host` | `-H` (*string*)
  - Specifies the hostname or IP address defined for the MAT REST API server (e.g. 127.0.0.0 or localhost).
- `--port` | `-P` (*number*)
  - Specifies the server port (e.g. 8080).
- `--user` | `-u` (*string*)
  - Your mainframe username.
- `--password` | `--pw` (*string*)
  - Your mainframe password.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--reject-unauthorized` | `--ru` (*boolean*)

- Reject self-signed certificates.

Default value: true

- `--listingDir` | `--ldir` (*string*)
  - Specifies the directory where you want to store the registered program listings (e.g. 'c:\listings') for your immediate source code inspection. You can use the advantage of automated listing registration with MAT and listing retrieval through Endeavor® footprints for Cobol, C/C++, and Assembler programs. When a source program listing is registered with MAT, you can enhance the histogram analysis data with the program listing details that pertain to the specific CSECT and program statement. The listing is transferred to the specified directory, which enables you to navigate directly to the line of the source code in you VS Code IDE and inspect the program statement. To use the listing retrieval option through Endeavor® footprints, you need to have the Endeavor® Web Services installed and configured and specify the Endeavor® web server details in the MAT database configuration.

## Profile Options

- `--mat-profile` | `--mat-p` (*string*)
  - The name of a (mat) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Get the CodeView measurement details in Module mode for monitor number 5:
  - `zowe mat monitor codeview module --mon_num 5`
- Get the CodeView measurement details in Module mode for the latest monitor in the TESTPROF profile:
  - `zowe mat monitor codeview module --profile TESTPROF`
- Get the CodeView measurement details in Module mode for monitor number 5, with the specific MAT profile details defined:
  - `zowe mat monitor codeview module --mon_num 5 --host "example.com" --port 12345 --user johndoe --password qwerty`

## [zowe](#) › [mat](#) › [monitor](#) › [db2](#)

---

Get the DB2 measurement details.

### [zowe](#) › [mat](#) › [monitor](#) › [db2](#) › [db2view](#)

Get the DB2View details for the measurement.

## Usage

```
zowe mat monitor db2 db2view [options]
```

## Options

- `--profile` (*string*)
  - Specifies the name of the profile that you want to analyze. When you specify the profile name, you get the data for the latest measurement within the specified profile.
- `--mon_num` (*number*)
  - Specifies the unique monitor number of the measurement.
- `--top` (*number*)

- Specifies the maximum number of the top consuming DB2 statements that you want to obtain in the response (e.g., --top 5). If you specify --top 0, you get the list of all DB2 statements that MAT has detected during the measurement. The --top parameter is optional. Values: numbers between 0 and 300.

## MAT Profile Options

- `--protocol` | `-o` (*string*)
  - Specifies the protocol defined for the MAT REST API server (http or https).  
  
Default value: https  
Allowed values: http, https
- `--host` | `-H` (*string*)
  - Specifies the hostname or IP address defined for the MAT REST API server (e.g. 127.0.0.0 or localhost).
- `--port` | `-P` (*number*)
  - Specifies the server port (e.g. 8080).
- `--user` | `-u` (*string*)
  - Your mainframe username.
- `--password` | `--pw` (*string*)
  - Your mainframe password.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--listingDir` | `--ldir` (*string*)

- Specifies the directory where you want to store the registered program listings (e.g. 'c:\listings') for your immediate source code inspection. You can use the advantage of automated listing registration with MAT and listing retrieval through Endeavor® footprints for Cobol, C/C++, and Assembler programs. When a source program listing is registered with MAT, you can enhance the histogram analysis data with the program listing details that pertain to the specific CSECT and program statement. The listing is transferred to the specified directory, which enables you to navigate directly to the line of the source code in you VS Code IDE and inspect the program statement. To use the listing retrieval option through Endeavor® footprints, you need to have the Endeavor® Web Services installed and configured and specify the Endeavor® web server details in the MAT database configuration.

## Profile Options

- `--mat-profile` | `--mat-p` (*string*)
  - The name of a (mat) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Get the DB2View details for monitor number 5:
  - `zowe mat monitor db2 db2view --mon_num 5`
- Get the DB2View details for the latest monitor in the TESTPROF profile, with the top consumer limitation set to 5 top consumers:
  - `zowe mat monitor db2 db2view --profile TESTPROF --top 5`
- Get the DB2View details for monitor number 5, with the specific MAT profile details defined:
  - `zowe mat monitor db2 db2view --mon_num 5 --host "example.com" --port 12345 --user johndoe --password qwerty`

## [zowe](#) › [mat](#) › [monitor](#) › [db2](#) › [sqlstmt](#)

Get SQL details for the DB2 statement.

### Usage

`zowe mat monitor db2 sqlstmt [options]`

### Options

- `--profile` (*string*)
  - Specifies the name of the profile that you want to analyze. When you specify the profile name, you get the data for the latest measurement within the specified profile.
- `--mon_num` (*number*)
  - Specifies the unique monitor number of the measurement.
- `--dbrm` (*string*)
  - Specifies the DBRM/Package name that the requested DB2 statement belongs to (e.g., `--dbrm CUPBTSDY`). You get the dbrm value from the 'db2 db2view ' command response.
- `--stmtnum` (*number*)
  - Specifies the statement number that you request the SQL details for (e.g., `--stmtnum 464`). You get the stmtnum value from the 'db2 db2view ' command response.
- `--totalsamps` (*number*)

- Specifies the total number of samples taken for the requested statement (e.g., --totalsamps 1). You get the totalsamps value from the 'db2 db2view ' command response.

## MAT Profile Options

- `--protocol` | `-o` (*string*)
  - Specifies the protocol defined for the MAT REST API server (http or https).  
  
Default value: https  
Allowed values: http, https
- `--host` | `-H` (*string*)
  - Specifies the hostname or IP address defined for the MAT REST API server (e.g. 127.0.0.0 or localhost).
- `--port` | `-P` (*number*)
  - Specifies the server port (e.g. 8080).
- `--user` | `-u` (*string*)
  - Your mainframe username.
- `--password` | `--pw` (*string*)
  - Your mainframe password.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--listingDir` | `--ldir` (*string*)
  - Specifies the directory where you want to store the registered program listings (e.g. 'c:\listings') for your immediate source code inspection. You can use the advantage of automated listing registration with MAT and listing retrieval through Endeavor® footprints

for Cobol, C/C++, and Assembler programs. When a source program listing is registered with MAT, you can enhance the histogram analysis data with the program listing details that pertain to the specific CSECT and program statement. The listing is transferred to the specified directory, which enables you to navigate directly to the line of the source code in you VS Code IDE and inspect the program statement. To use the listing retrieval option through Endeavor® footprints, you need to have the Endeavor® Web Services installed and configured and specify the Endeavor® web server details in the MAT database configuration.

## Profile Options

- `--mat-profile` | `--mat-p` (*string*)
  - The name of a (mat) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Get the DB2 SQL statement details for monitor number 5 for DBRM CUPBTSDY, statement number 464, with total number of taken samples 1:

- `zowe mat monitor db2 sqlstmt --mon_num 5 --dbrm CUPBTSDY --stmtnum 464 --totalsamps 1`
- Get the DB2 SQL statement details for the latest monitor in the TESTPROF profile, for DBRM CUPBTSDY, statement number 464, with total number of taken samples 1:
  - `zowe mat monitor db2 sqlstmt --profile TESTPROF --dbrm CUPBTSDY --stmtnum 464 --totalsamps 1`
- Get the DB2 SQL statement details for monitor number 5 for DBRM CUPBTSDY, statement number 464, with total number of taken samples 1, and with the specific MAT profile details defined:
  - `zowe mat monitor db2 sqlstmt --mon_num 5 --dbrm CUPBTSDY --stmtnum 464 --totalsamps 1 --host "example.com" --port 12345 --user johndoe --password qwerty`

## [zowe](#) › [mat](#) › [monitor](#) › [delayview](#)

---

Get the DelayView measurement details.

### [zowe](#) › [mat](#) › [monitor](#) › [delayview](#) › [address](#)

Get the delay address details for the measurement.

#### Usage

```
zowe mat monitor delayview address [options]
```

#### Options

- `--profile` (*string*)
  - Specifies the name of the profile that you want to analyze. When you specify the profile name, you get the data for the latest measurement within the specified profile.
- `--mon_num` (*number*)
  - Specifies the unique monitor number of the measurement.
- `--majorcategory` (*string*)
  - Specifies the major delay category name identified for the analysis item (e.g., `--majorcategory "PC routine delay"`). You get the `majorcategory` value from the `'delayview`

delay' command response.

- `--minorcategory` (*string*)
  - Specifies the minor delay category name identified for the analysis item (e.g., `--minorcategory "PC CALL"`). You get the `minorcategory` value from the 'delayview delay' command response.

## MAT Profile Options

- `--protocol` | `-o` (*string*)
  - Specifies the protocol defined for the MAT REST API server (http or https).  
  
Default value: https  
Allowed values: http, https
- `--host` | `-H` (*string*)
  - Specifies the hostname or IP address defined for the MAT REST API server (e.g. 127.0.0.0 or localhost).
- `--port` | `-P` (*number*)
  - Specifies the server port (e.g. 8080).
- `--user` | `-u` (*string*)
  - Your mainframe username.
- `--password` | `--pw` (*string*)
  - Your mainframe password.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--listingDir` | `--ldir` (*string*)

- Specifies the directory where you want to store the registered program listings (e.g. 'c:\listings') for your immediate source code inspection. You can use the advantage of automated listing registration with MAT and listing retrieval through Endeavor® footprints for Cobol, C/C++, and Assembler programs. When a source program listing is registered with MAT, you can enhance the histogram analysis data with the program listing details that pertain to the specific CSECT and program statement. The listing is transferred to the specified directory, which enables you to navigate directly to the line of the source code in you VS Code IDE and inspect the program statement. To use the listing retrieval option through Endeavor® footprints, you need to have the Endeavor® Web Services installed and configured and specify the Endeavor® web server details in the MAT database configuration.

## Profile Options

- `--mat-profile` | `--mat-p` (*string*)
  - The name of a (mat) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Get the delay address details for majorcategory "PC routine delay" and minorcategory "PC CALL" for monitor number 5:
  - `zowe mat monitor delayview address --mon_num 5 --majorcategory "PC routine delay" --minorcategory "PC CALL"`
- Get the delay address details for majorcategory "PC routine delay" and minorcategory "PC CALL" for the latest monitor in the TESTPROF profile:
  - `zowe mat monitor delayview address --profile TESTPROF --majorcategory "PC routine delay" --minorcategory "PC CALL"`
- Get the delay address details for majorcategory "PC routine delay" and minorcategory "PC CALL" for monitor number 5, with the specific MAT profile details defined:
  - `zowe mat monitor delayview address --mon_num 5 --majorcategory "PC routine delay" --minorcategory "PC CALL" --host "example.com" --port 12345 --user johndoe --password qwerty`

## [zowe](#) › [mat](#) › [monitor](#) › [delayview](#) › [delay](#)

Get the delay details for the measurement.

### Usage

```
zowe mat monitor delayview delay [options]
```

### Options

- `--profile` (*string*)
  - Specifies the name of the profile that you want to analyze. When you specify the profile name, you get the data for the latest measurement within the specified profile.
- `--mon_num` (*number*)
  - Specifies the unique monitor number of the measurement.

### MAT Profile Options

- `--protocol` | `-o` (*string*)
  - Specifies the protocol defined for the MAT REST API server (http or https).

Default value: https

Allowed values: http, https

- `--host` | `-H` (*string*)
  - Specifies the hostname or IP address defined for the MAT REST API server (e.g. 127.0.0.0 or localhost).
- `--port` | `-P` (*number*)
  - Specifies the server port (e.g. 8080).
- `--user` | `-u` (*string*)
  - Your mainframe username.
- `--password` | `--pw` (*string*)
  - Your mainframe password.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true

- `--listingDir` | `--ldir` (*string*)
  - Specifies the directory where you want to store the registered program listings (e.g. 'c:\listings') for your immediate source code inspection. You can use the advantage of automated listing registration with MAT and listing retrieval through Endeavor® footprints for Cobol, C/C++, and Assembler programs. When a source program listing is registered with MAT, you can enhance the histogram analysis data with the program listing details that pertain to the specific CSECT and program statement. The listing is transferred to the specified directory, which enables you to navigate directly to the line of the source code in you VS Code IDE and inspect the program statement. To use the listing retrieval option through Endeavor® footprints, you need to have the Endeavor® Web Services installed and configured and specify the Endeavor® web server details in the MAT database configuration.

## Profile Options

- `--mat-profile` | `--mat-p` (*string*)
  - The name of a (mat) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Get the DelayView measurement details for monitor number 5:
  - `zowe mat monitor delayview delay --mon_num 5`
- Get the DelayView measurement details for the latest monitor in the TESTPROF profile:
  - `zowe mat monitor delayview delay --profile TESTPROF`
- Get the DelayView measurement details for monitor number 5, with the specific MAT profile details defined:
  - `zowe mat monitor delayview delay --mon_num 5 --host "example.com" --port 12345 --user johndoe --password qwerty`

## zowe › mat › monitor › history

Get list of all available measurements that are stored in the history of the specific monitor profile.

### Usage

```
zowe mat monitor history [options]
```

### Options

- `--profile` (*string*)
  - Specifies the name of the profile.

### MAT Profile Options

- `--protocol` | `-o` (*string*)
  - Specifies the protocol defined for the MAT REST API server (http or https).

Default value: https  
Allowed values: http, https
- `--host` | `-H` (*string*)
  - Specifies the hostname or IP address defined for the MAT REST API server (e.g. 127.0.0.0 or localhost).
- `--port` | `-P` (*number*)
  - Specifies the server port (e.g. 8080).
- `--user` | `-u` (*string*)
  - Your mainframe username.
- `--password` | `--pw` (*string*)
  - Your mainframe password.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--reject-unauthorized` | `--ru` (*boolean*)

- Reject self-signed certificates.

Default value: true

- `--listingDir` | `--ldir` (*string*)
  - Specifies the directory where you want to store the registered program listings (e.g. 'c:\listings') for your immediate source code inspection. You can use the advantage of automated listing registration with MAT and listing retrieval through Endeavor® footprints for Cobol, C/C++, and Assembler programs. When a source program listing is registered with MAT, you can enhance the histogram analysis data with the program listing details that pertain to the specific CSECT and program statement. The listing is transferred to the specified directory, which enables you to navigate directly to the line of the source code in you VS Code IDE and inspect the program statement. To use the listing retrieval option through Endeavor® footprints, you need to have the Endeavor® Web Services installed and configured and specify the Endeavor® web server details in the MAT database configuration.

## Profile Options

- `--mat-profile` | `--mat-p` (*string*)
  - The name of a (mat) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Get the list of all available measurements that are stored in the history of the monitor profile TESTPROF:
  - `zowe mat monitor history --profile TESTPROF`
- Get the list of all available measurements that are stored in the history of the monitor profile TESTPROF, with the specific MAT profile details defined:
  - `zowe mat monitor history --profile TESTPROF --host "example.com" --port 12345 --user johndoe --password qwerty`

## [zowe](#) › [mat](#) › [monitor](#) › [idms](#)

---

Get the IDMS measurement details.

## [zowe](#) › [mat](#) › [monitor](#) › [idms](#) › [dml](#)

Get the IDMS measurement details in DML mode.

## Usage

```
zowe mat monitor idms dml [options]
```

## Options

- `--profile` (*string*)
  - Specifies the name of the profile that you want to analyze. When you specify the profile name, you get the data for the latest measurement within the specified profile.
- `--mon_num` (*number*)
  - Specifies the unique monitor number of the measurement.

## MAT Profile Options

- `--protocol` | `-o` (*string*)
  - Specifies the protocol defined for the MAT REST API server (http or https).

Default value: https

Allowed values: http, https

- `--host` | `-H` (*string*)
  - Specifies the hostname or IP address defined for the MAT REST API server (e.g. 127.0.0.0 or localhost).
- `--port` | `-P` (*number*)
  - Specifies the server port (e.g. 8080).
- `--user` | `-u` (*string*)
  - Your mainframe username.
- `--password` | `--pw` (*string*)
  - Your mainframe password.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true

- `--listingDir` | `--ldir` (*string*)
  - Specifies the directory where you want to store the registered program listings (e.g. 'c:\listings') for your immediate source code inspection. You can use the advantage of automated listing registration with MAT and listing retrieval through Endeavor® footprints for Cobol, C/C++, and Assembler programs. When a source program listing is registered with MAT, you can enhance the histogram analysis data with the program listing details that pertain to the specific CSECT and program statement. The listing is transferred to the specified directory, which enables you to navigate directly to the line of the source code in you VS Code IDE and inspect the program statement. To use the listing retrieval option through Endeavor® footprints, you need to have the Endeavor® Web Services installed and configured and specify the Endeavor® web server details in the MAT database configuration.

## Profile Options

- `--mat-profile` | `--mat-p` (*string*)
  - The name of a (mat) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Get the CodeView measurement details in Module mode for monitor number 5:
  - `zowe mat monitor idms dml --mon_num 5`
- Get the CodeView measurement details in Module mode for the latest monitor in the TESTPROF profile:
  - `zowe mat monitor idms dml --profile TESTPROF`
- Get the dml details of the measurement for monitor number 5:
  - `zowe mat monitor idms dml dml --mon_num 5`

## [zowe](#) › [mat](#) › [monitor](#) › [idms](#) › [module](#)

Get the IDMS measurement details.

### Usage

```
zowe mat monitor idms module [options]
```

### Options

- `--profile` (*string*)
  - Specifies the name of the profile that you want to analyze. When you specify the profile name, you get the data for the latest measurement within the specified profile.
- `--mon_num` (*number*)
  - Specifies the unique monitor number of the measurement.
- `--module` (*string*)
  - Specifies the module of the measurement.
- `--taskid` (*number*)
  - Specifies the taskid number.
- `--ruid` (*number*)
  - Specifies the ruid number.
- `--linecmd` (*string*)
  - Specifies the line command to be used for the row data

### MAT Profile Options

- `--protocol` | `-o` (*string*)
  - Specifies the protocol defined for the MAT REST API server (http or https).

Default value: https  
Allowed values: http, https
- `--host` | `-H` (*string*)

- Specifies the hostname or IP address defined for the MAT REST API server (e.g. 127.0.0.0 or localhost).
- `--port` | `-P` (*number*)
  - Specifies the server port (e.g. 8080).
- `--user` | `-u` (*string*)
  - Your mainframe username.
- `--password` | `--pw` (*string*)
  - Your mainframe password.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--listingDir` | `--ldir` (*string*)
  - Specifies the directory where you want to store the registered program listings (e.g. 'c:\listings') for your immediate source code inspection. You can use the advantage of automated listing registration with MAT and listing retrieval through Endeavor® footprints for Cobol, C/C++, and Assembler programs. When a source program listing is registered with MAT, you can enhance the histogram analysis data with the program listing details that pertain to the specific CSECT and program statement. The listing is transferred to the specified directory, which enables you to navigate directly to the line of the source code in you VS Code IDE and inspect the program statement. To use the listing retrieval option through Endeavor® footprints, you need to have the Endeavor® Web Services installed and configured and specify the Endeavor® web server details in the MAT database configuration.

## Profile Options

- `--mat-profile` | `--mat-p` (*string*)

- The name of a (mat) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.
 

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Get the idms details of the measurement for monitor number 5:
  - `zowe mat monitor idms module --mon_num 5`
- Get the idms details of the measurement for the latest monitor in the TESTPROF profile:
  - `zowe mat monitor idms module --profile TESTPROF`
- Get the module details of the measurement for monitor number 5:
  - `zowe mat monitor idms module module --mon_num 5`
- Specify the module | taskid | ruid | linecmd option of the measurement for the module mode:
  - `zowe mat monitor idms module --module SQLA01D | --taskid 1 | --ruid 19333 | --linecmd dispatch`

## [zowe](#) › [mat](#) › [monitor](#) › [idms](#) › [task](#)

Get the IDMS measurement details in Task mode.

### Usage

```
zowe mat monitor idms task [options]
```

### Options

- `--profile` (*string*)
  - Specifies the name of the profile that you want to analyze. When you specify the profile name, you get the data for the latest measurement within the specified profile.
- `--mon_num` (*number*)
  - Specifies the unique monitor number of the measurement.

### MAT Profile Options

- `--protocol` | `-o` (*string*)
  - Specifies the protocol defined for the MAT REST API server (http or https).  
  
Default value: https  
Allowed values: http, https
- `--host` | `-H` (*string*)
  - Specifies the hostname or IP address defined for the MAT REST API server (e.g. 127.0.0.0 or localhost).
- `--port` | `-P` (*number*)
  - Specifies the server port (e.g. 8080).
- `--user` | `-u` (*string*)
  - Your mainframe username.
- `--password` | `--pw` (*string*)
  - Your mainframe password.
- `--base-path` | `--bp` (*string*)

- The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--listingDir` | `--ldir` (*string*)
  - Specifies the directory where you want to store the registered program listings (e.g. 'c:\listings') for your immediate source code inspection. You can use the advantage of automated listing registration with MAT and listing retrieval through Endeavor® footprints for Cobol, C/C++, and Assembler programs. When a source program listing is registered with MAT, you can enhance the histogram analysis data with the program listing details that pertain to the specific CSECT and program statement. The listing is transferred to the specified directory, which enables you to navigate directly to the line of the source code in you VS Code IDE and inspect the program statement. To use the listing retrieval option through Endeavor® footprints, you need to have the Endeavor® Web Services installed and configured and specify the Endeavor® web server details in the MAT database configuration.

## Profile Options

- `--mat-profile` | `--mat-p` (*string*)
  - The name of a (mat) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Get the CodeView measurement details in Module mode for monitor number 5:
  - `zowe mat monitor idms task --mon_num 5`
- Get the CodeView measurement details in Module mode for the latest monitor in the TESTPROF profile:
  - `zowe mat monitor idms task --profile TESTPROF`
- Get the task details of the measurement for monitor number 5:
  - `zowe mat monitor idms task task --mon_num 5`

## [zowe](#) › [mat](#) › [monitor](#) › [imsview](#)

---

Get the IMS measurement details.

### [zowe](#) › [mat](#) › [monitor](#) › [imsview](#) › [dbdname](#)

Get the IMS View DBDName details for the measurement.

## Usage

```
zowe mat monitor imsview dbdname [options]
```

## Options

- `--profile` (*string*)
  - Specifies the name of the profile that you want to analyze. When you specify the profile name, you get the data for the latest measurement within the specified profile.
- `--mon_num` (*number*)

- Specifies the unique monitor number of the measurement.

## MAT Profile Options

- `--protocol` | `-o` (*string*)
  - Specifies the protocol defined for the MAT REST API server (http or https).  
  
Default value: https  
Allowed values: http, https
- `--host` | `-H` (*string*)
  - Specifies the hostname or IP address defined for the MAT REST API server (e.g. 127.0.0.0 or localhost).
- `--port` | `-P` (*number*)
  - Specifies the server port (e.g. 8080).
- `--user` | `-u` (*string*)
  - Your mainframe username.
- `--password` | `--pw` (*string*)
  - Your mainframe password.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--listingDir` | `--ldir` (*string*)
  - Specifies the directory where you want to store the registered program listings (e.g. 'c:\listings') for your immediate source code inspection. You can use the advantage of automated listing registration with MAT and listing retrieval through Endeavor® footprints for Cobol, C/C++, and Assembler programs. When a source program listing is registered

with MAT, you can enhance the histogram analysis data with the program listing details that pertain to the specific CSECT and program statement. The listing is transferred to the specified directory, which enables you to navigate directly to the line of the source code in you VS Code IDE and inspect the program statement. To use the listing retrieval option through Endeavor® footprints, you need to have the Endeavor® Web Services installed and configured and specify the Endeavor® web server details in the MAT database configuration.

## Profile Options

- `--mat-profile` | `--mat-p` (*string*)
  - The name of a (mat) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Get the IMS View DBDName details for monitor number 5:
  - `zowe mat monitor imsview dbdname --mon_num 5`

- Get the IMS View DBDName details for the latest monitor in the TESTPROF profile, :

- `zowe mat monitor imsview dbdname --profile TESTPROF`

## [zowe](#) › [mat](#) › [monitor](#) › [imsview](#) › [imsview](#)

Get the IMS View details for the measurement.

### Usage

`zowe mat monitor imsview imsview [options]`

### Options

- `--mon_num` (*number*)
  - Specifies the unique monitor number of the measurement.
- `--profile` (*string*)
  - Specifies the name of the profile that you want to analyze. When you specify the profile name, you get the data for the latest measurement within the specified profile.

### MAT Profile Options

- `--protocol` | `-o` (*string*)
  - Specifies the protocol defined for the MAT REST API server (http or https).  
  
Default value: https  
Allowed values: http, https
- `--host` | `-H` (*string*)
  - Specifies the hostname or IP address defined for the MAT REST API server (e.g. 127.0.0.0 or localhost).
- `--port` | `-P` (*number*)
  - Specifies the server port (e.g. 8080).
- `--user` | `-u` (*string*)
  - Your mainframe username.
- `--password` | `--pw` (*string*)

- Your mainframe password.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--listingDir` | `--ldir` (*string*)
  - Specifies the directory where you want to store the registered program listings (e.g. 'c:\listings') for your immediate source code inspection. You can use the advantage of automated listing registration with MAT and listing retrieval through Endeavor® footprints for Cobol, C/C++, and Assembler programs. When a source program listing is registered with MAT, you can enhance the histogram analysis data with the program listing details that pertain to the specific CSECT and program statement. The listing is transferred to the specified directory, which enables you to navigate directly to the line of the source code in you VS Code IDE and inspect the program statement. To use the listing retrieval option through Endeavor® footprints, you need to have the Endeavor® Web Services installed and configured and specify the Endeavor® web server details in the MAT database configuration.

## Profile Options

- `--mat-profile` | `--mat-p` (*string*)
  - The name of a (mat) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Get the IMS View details for monitor number 5:
  - `zowe mat monitor imsview imsview --mon_num 5`
- Get the IMS View details for the latest monitor in the TESTPROF profile, :
  - `zowe mat monitor imsview imsview --profile TESTPROF`

## [zowe](#) › [mat](#) › [monitor](#) › [imsview](#) › [psbname](#)

Get the IMS View PSBName details for the measurement.

## Usage

```
zowe mat monitor imsview psbname [options]
```

## Options

- `--profile` (*string*)
  - Specifies the name of the profile that you want to analyze. When you specify the profile name, you get the data for the latest measurement within the specified profile.
- `--mon_num` (*number*)
  - Specifies the unique monitor number of the measurement.

## MAT Profile Options

- `--protocol` | `-o` (*string*)

- Specifies the protocol defined for the MAT REST API server (http or https).

Default value: https

Allowed values: http, https

- `--host` | `-H` (*string*)
  - Specifies the hostname or IP address defined for the MAT REST API server (e.g. 127.0.0.0 or localhost).
- `--port` | `-P` (*number*)
  - Specifies the server port (e.g. 8080).
- `--user` | `-u` (*string*)
  - Your mainframe username.
- `--password` | `--pw` (*string*)
  - Your mainframe password.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--listingDir` | `--ldir` (*string*)
  - Specifies the directory where you want to store the registered program listings (e.g. 'c:\listings') for your immediate source code inspection. You can use the advantage of automated listing registration with MAT and listing retrieval through Endeavor® footprints for Cobol, C/C++, and Assembler programs. When a source program listing is registered with MAT, you can enhance the histogram analysis data with the program listing details that pertain to the specific CSECT and program statement. The listing is transferred to the specified directory, which enables you to navigate directly to the line of the source code in you VS Code IDE and inspect the program statement. To use the listing retrieval option through Endeavor® footprints, you need to have the Endeavor® Web Services installed and

configured and specify the Endeavor® web server details in the MAT database configuration.

## Profile Options

- `--mat-profile` | `--mat-p` (*string*)
  - The name of a (mat) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Get the IMS View PSBName details for monitor number 5:
  - `zowe mat monitor imsview psbname --mon_num 5`
- Get the IMS View PSBName details for the latest monitor in the TESTPROF profile, :
  - `zowe mat monitor imsview psbname --profile TESTPROF`

Get the IMS View Region details for the measurement.

## Usage

zowe mat monitor imsview region [options]

## Options

- `--profile` (*string*)
  - Specifies the name of the profile that you want to analyze. When you specify the profile name, you get the data for the latest measurement within the specified profile.
- `--mon_num` (*number*)
  - Specifies the unique monitor number of the measurement.

## MAT Profile Options

- `--protocol` | `-o` (*string*)
  - Specifies the protocol defined for the MAT REST API server (http or https).

Default value: https  
Allowed values: http, https
- `--host` | `-H` (*string*)
  - Specifies the hostname or IP address defined for the MAT REST API server (e.g. 127.0.0.0 or localhost).
- `--port` | `-P` (*number*)
  - Specifies the server port (e.g. 8080).
- `--user` | `-u` (*string*)
  - Your mainframe username.
- `--password` | `--pw` (*string*)
  - Your mainframe password.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you

are not using an API mediation layer.

- `--reject-unauthorized` | `--ru` (*boolean*)

- Reject self-signed certificates.

Default value: true

- `--listingDir` | `--ldir` (*string*)

- Specifies the directory where you want to store the registered program listings (e.g. 'c:\listings') for your immediate source code inspection. You can use the advantage of automated listing registration with MAT and listing retrieval through Endeavor® footprints for Cobol, C/C++, and Assembler programs. When a source program listing is registered with MAT, you can enhance the histogram analysis data with the program listing details that pertain to the specific CSECT and program statement. The listing is transferred to the specified directory, which enables you to navigate directly to the line of the source code in you VS Code IDE and inspect the program statement. To use the listing retrieval option through Endeavor® footprints, you need to have the Endeavor® Web Services installed and configured and specify the Endeavor® web server details in the MAT database configuration.

## Profile Options

- `--mat-profile` | `--mat-p` (*string*)

- The name of a (mat) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)

- The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)

- The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

- `--token-value` | `--tv` (*string*)

- The value of the token to pass to the API.

- `--cert-file` (*local file path*)

- The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Get the IMS View Region details for monitor number 5:
  - `zowe mat monitor imsview region --mon_num 5`
- Get the IMS View Region details for the latest monitor in the TESTPROF profile, :
  - `zowe mat monitor imsview region --profile TESTPROF`

## [zowe](#) › [mat](#) › [monitor](#) › [imsview](#) › [ssa](#)

Get the IMS View SSA details for the measurement.

## Usage

```
zowe mat monitor imsview ssa [options]
```

## Options

- `--profile` (*string*)
  - Specifies the name of the profile that you want to analyze. When you specify the profile name, you get the data for the latest measurement within the specified profile.
- `--mon_num` (*number*)
  - Specifies the unique monitor number of the measurement.
- `--call` (*string*)
  - Specifies the call details for the specified monitor number or profile name.
- `--dbdname` (*string*)
  - Specifies the dbdname details for the specified monitor number or profile name.
- `--psbname` (*string*)
  - Specifies the psbname details for the specified monitor number or profile name.

## MAT Profile Options

- `--protocol` | `-o` (*string*)
  - Specifies the protocol defined for the MAT REST API server (http or https).  
  
Default value: https  
Allowed values: http, https
- `--host` | `-H` (*string*)
  - Specifies the hostname or IP address defined for the MAT REST API server (e.g. 127.0.0.0 or localhost).
- `--port` | `-P` (*number*)
  - Specifies the server port (e.g. 8080).
- `--user` | `-u` (*string*)
  - Your mainframe username.
- `--password` | `--pw` (*string*)
  - Your mainframe password.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--listingDir` | `--ldir` (*string*)
  - Specifies the directory where you want to store the registered program listings (e.g. 'c:\listings') for your immediate source code inspection. You can use the advantage of automated listing registration with MAT and listing retrieval through Endeavor® footprints for Cobol, C/C++, and Assembler programs. When a source program listing is registered with MAT, you can enhance the histogram analysis data with the program listing details that pertain to the specific CSECT and program statement. The listing is transferred to the

specified directory, which enables you to navigate directly to the line of the source code in your VS Code IDE and inspect the program statement. To use the listing retrieval option through Endeavor® footprints, you need to have the Endeavor® Web Services installed and configured and specify the Endeavor® web server details in the MAT database configuration.

## Profile Options

- `--mat-profile` | `--mat-p` (*string*)
  - The name of a (mat) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Get the IMS details for monitor number 5, with the specific MAT profile details defined:
  - `zowe mat monitor imsview ssa --mon_num 5 --call TESTCALL --dbname TESTDBNAME --psbname TESTPSBNAME`

- Get the IMS View SSA details for the latest monitor in the TESTPROF profile, with the specific MAT profile details defined :

- `zowe mat monitor imsview ssa --profile TESTPROF --call TESTCALL --dbname TESTDBDNAME --psbname TESTPSBNAME`

- Get the IMS View SSA details for monitor number 5, with the specific MAT profile details defined:

- `zowe mat monitor imsview ssa --mon_num 5 --call TESTCALL --dbname TESTDBDNAME --psbname TESTPSBNAME`

## [zowe](#) › [mat](#) › [monitor](#) › [imsview](#) › [statement](#)

Get the IMS View Statement details for the measurement.

### Usage

`zowe mat monitor imsview statement [options]`

### Options

- `--profile` (*string*)
  - Specifies the name of the profile that you want to analyze. When you specify the profile name, you get the data for the latest measurement within the specified profile.
- `--mon_num` (*number*)
  - Specifies the unique monitor number of the measurement.
- `--trancode` (*string*)
  - Specifies the trancode for specified monitor number or profile name

### MAT Profile Options

- `--protocol` | `-o` (*string*)
  - Specifies the protocol defined for the MAT REST API server (http or https).

Default value: https

Allowed values: http, https

- `--host` | `-H` (*string*)

- Specifies the hostname or IP address defined for the MAT REST API server (e.g. 127.0.0.0 or localhost).
- `--port` | `-P` (*number*)
  - Specifies the server port (e.g. 8080).
- `--user` | `-u` (*string*)
  - Your mainframe username.
- `--password` | `--pw` (*string*)
  - Your mainframe password.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--listingDir` | `--ldir` (*string*)
  - Specifies the directory where you want to store the registered program listings (e.g. 'c:\listings') for your immediate source code inspection. You can use the advantage of automated listing registration with MAT and listing retrieval through Endeavor® footprints for Cobol, C/C++, and Assembler programs. When a source program listing is registered with MAT, you can enhance the histogram analysis data with the program listing details that pertain to the specific CSECT and program statement. The listing is transferred to the specified directory, which enables you to navigate directly to the line of the source code in you VS Code IDE and inspect the program statement. To use the listing retrieval option through Endeavor® footprints, you need to have the Endeavor® Web Services installed and configured and specify the Endeavor® web server details in the MAT database configuration.

## Profile Options

- `--mat-profile` | `--mat-p` (*string*)

- The name of a (mat) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.
 

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Get the IMS View Statement details for monitor number 5 with trancode TESTTRANCODE:
  - `zowe mat monitor imsview statement --mon_num 5 --trancode TESTTRANCODE`
- Get the IMS View Statement details for the latest monitor in the TESTPROF profile, with trancode TESTTRANCODE:
  - `zowe mat monitor imsview statement --profile TESTPROF --trancode TESTTRANCODE`

## [zowe](#) › [mat](#) › [monitor](#) › [overview](#)

Get the overview details of the measurement.

## Usage

## zowe mat monitor overview [options]

### Options

- `--profile` (*string*)
  - Specifies the name of the profile that you want to analyze. When you specify the profile name, you get the data for the latest measurement within the specified profile.
- `--mon_num` (*number*)
  - Specifies the unique monitor number of the measurement.

### MAT Profile Options

- `--protocol` | `-o` (*string*)
  - Specifies the protocol defined for the MAT REST API server (http or https).  
  
Default value: https  
Allowed values: http, https
- `--host` | `-H` (*string*)
  - Specifies the hostname or IP address defined for the MAT REST API server (e.g. 127.0.0.0 or localhost).
- `--port` | `-P` (*number*)
  - Specifies the server port (e.g. 8080).
- `--user` | `-u` (*string*)
  - Your mainframe username.
- `--password` | `--pw` (*string*)
  - Your mainframe password.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--reject-unauthorized` | `--ru` (*boolean*)

- Reject self-signed certificates.

Default value: true

- `--listingDir` | `--ldir` (*string*)
  - Specifies the directory where you want to store the registered program listings (e.g. 'c:\listings') for your immediate source code inspection. You can use the advantage of automated listing registration with MAT and listing retrieval through Endeavor® footprints for Cobol, C/C++, and Assembler programs. When a source program listing is registered with MAT, you can enhance the histogram analysis data with the program listing details that pertain to the specific CSECT and program statement. The listing is transferred to the specified directory, which enables you to navigate directly to the line of the source code in you VS Code IDE and inspect the program statement. To use the listing retrieval option through Endeavor® footprints, you need to have the Endeavor® Web Services installed and configured and specify the Endeavor® web server details in the MAT database configuration.

## Profile Options

- `--mat-profile` | `--mat-p` (*string*)
  - The name of a (mat) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Get the overview details of the measurement for monitor number 5:
  - `zowe mat monitor overview --mon_num 5`
- Get the overview details of the measurement for the latest monitor in the TESTPROF profile:
  - `zowe mat monitor overview --profile TESTPROF`
- Get the measurement overview details for monitor number 5, with the specific MAT profile details defined:
  - `zowe mat monitor overview --mon_num 5 --host "example.com" --port 12345 --user johndoe --password qwerty`

## [zowe](#) › [mat](#) › [monitor](#) › [tranview](#)

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Get the TranView measurement details.

## [zowe](#) › [mat](#) › [monitor](#) › [tranview](#) › [all](#)

Get the CodeView measurement details in Module mode.

## Usage

`zowe mat monitor tranview all [options]`

## Options

- `--profile` (*string*)
  - Specifies the name of the profile that you want to analyze. When you specify the profile name, you get the data for the latest measurement within the specified profile.
- `--mon_num` (*number*)
  - Specifies the unique monitor number of the measurement.
- `--tran` (*string*)

- Specifies the histogram group size parameter that defines the resolution of the histogram (e.g., `--group 32`). If you do not specify the group parameter, the group size value defaults to 4 bytes. If the source program listing is registered with MAT, the group size parameter is ignored. The `--group` parameter is optional. Lower values of the `--group` parameter result in more granular representation of the histogram data. Values: numbers between 2 and 999999.
- `--type` (*string*)
  - Specifies the histogram group size parameter that defines the resolution of the histogram (e.g., `--group 32`). If you do not specify the group parameter, the group size value defaults to 4 bytes. If the source program listing is registered with MAT, the group size parameter is ignored. The `--group` parameter is optional. Lower values of the `--group` parameter result in more granular representation of the histogram data. Values: numbers between 2 and 999999.

## MAT Profile Options

- `--protocol` | `-o` (*string*)
  - Specifies the protocol defined for the MAT REST API server (http or https).  
  
Default value: https  
Allowed values: http, https
- `--host` | `-H` (*string*)
  - Specifies the hostname or IP address defined for the MAT REST API server (e.g. 127.0.0.0 or localhost).
- `--port` | `-P` (*number*)
  - Specifies the server port (e.g. 8080).
- `--user` | `-u` (*string*)
  - Your mainframe username.
- `--password` | `--pw` (*string*)
  - Your mainframe password.
- `--base-path` | `--bp` (*string*)

- The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--listingDir` | `--ldir` (*string*)
  - Specifies the directory where you want to store the registered program listings (e.g. 'c:\listings') for your immediate source code inspection. You can use the advantage of automated listing registration with MAT and listing retrieval through Endeavor® footprints for Cobol, C/C++, and Assembler programs. When a source program listing is registered with MAT, you can enhance the histogram analysis data with the program listing details that pertain to the specific CSECT and program statement. The listing is transferred to the specified directory, which enables you to navigate directly to the line of the source code in you VS Code IDE and inspect the program statement. To use the listing retrieval option through Endeavor® footprints, you need to have the Endeavor® Web Services installed and configured and specify the Endeavor® web server details in the MAT database configuration.

## Profile Options

- `--mat-profile` | `--mat-p` (*string*)
  - The name of a (mat) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Get the CodeView measurement details in Module mode for monitor number 5:
  - `zowe mat monitor tranview all --mon_num 5`
- Get the CodeView measurement details in Module mode for the latest monitor in the TESTPROF profile:
  - `zowe mat monitor tranview all --profile TESTPROF`

## [zowe](#) › [mat](#) › [monitor](#) › [tranview](#) › [callerid](#)

Get the CodeView measurement details in Module mode.

## Usage

```
zowe mat monitor tranview callerid [options]
```

## Options

- `--profile` (*string*)
  - Specifies the name of the profile that you want to analyze. When you specify the profile name, you get the data for the latest measurement within the specified profile.
- `--mon_num` (*number*)
  - Specifies the unique monitor number of the measurement.
- `--tran` (*string*)
  - Specifies the histogram group size parameter that defines the resolution of the histogram (e.g., `--group 32`). If you do not specify the group parameter, the group size value defaults to 4 bytes. If the source program listing is registered with MAT, the group size

parameter is ignored. The `--group` parameter is optional. Lower values of the `--group` parameter result in more granular representation of the histogram data. Values: numbers between 2 and 999999.

## MAT Profile Options

- `--protocol` | `-o` (*string*)
  - Specifies the protocol defined for the MAT REST API server (http or https).  
  
Default value: https  
Allowed values: http, https
- `--host` | `-H` (*string*)
  - Specifies the hostname or IP address defined for the MAT REST API server (e.g. 127.0.0.0 or localhost).
- `--port` | `-P` (*number*)
  - Specifies the server port (e.g. 8080).
- `--user` | `-u` (*string*)
  - Your mainframe username.
- `--password` | `--pw` (*string*)
  - Your mainframe password.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--listingDir` | `--ldir` (*string*)
  - Specifies the directory where you want to store the registered program listings (e.g. 'c:\listings') for your immediate source code inspection. You can use the advantage of

automated listing registration with MAT and listing retrieval through Endeavor® footprints for Cobol, C/C++, and Assembler programs. When a source program listing is registered with MAT, you can enhance the histogram analysis data with the program listing details that pertain to the specific CSECT and program statement. The listing is transferred to the specified directory, which enables you to navigate directly to the line of the source code in you VS Code IDE and inspect the program statement. To use the listing retrieval option through Endeavor® footprints, you need to have the Endeavor® Web Services installed and configured and specify the Endeavor® web server details in the MAT database configuration.

## Profile Options

- `--mat-profile` | `--mat-p` (*string*)
  - The name of a (mat) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Get the CodeView measurement details in Module mode for monitor number 5:

- `zowe mat monitor tranview callerid --mon_num 5`
- Get the CodeView measurement details in Module mode for the latest monitor in the TESTPROF profile:
  - `zowe mat monitor tranview callerid --profile TESTPROF`

## [zowe](#) › [mat](#) › [monitor](#) › [tranview](#) › [callstack](#)

Get the CodeView measurement details in Module mode.

### Usage

`zowe mat monitor tranview callstack [options]`

### Options

- `--profile` (*string*)
  - Specifies the name of the profile that you want to analyze. When you specify the profile name, you get the data for the latest measurement within the specified profile.
- `--mon_num` (*number*)
  - Specifies the unique monitor number of the measurement.
- `--tran` (*string*)
  - Specifies the histogram group size parameter that defines the resolution of the histogram (e.g., `--group 32`). If you do not specify the group parameter, the group size value defaults to 4 bytes. If the source program listing is registered with MAT, the group size parameter is ignored. The `--group` parameter is optional. Lower values of the `--group` parameter result in more granular representation of the histogram data. Values: numbers between 2 and 999999.

### MAT Profile Options

- `--protocol` | `-o` (*string*)
  - Specifies the protocol defined for the MAT REST API server (http or https).

Default value: https  
Allowed values: http, https
- `--host` | `-H` (*string*)

- Specifies the hostname or IP address defined for the MAT REST API server (e.g. 127.0.0.0 or localhost).
- `--port` | `-P` (*number*)
  - Specifies the server port (e.g. 8080).
- `--user` | `-u` (*string*)
  - Your mainframe username.
- `--password` | `--pw` (*string*)
  - Your mainframe password.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--listingDir` | `--ldir` (*string*)
  - Specifies the directory where you want to store the registered program listings (e.g. 'c:\listings') for your immediate source code inspection. You can use the advantage of automated listing registration with MAT and listing retrieval through Endeavor® footprints for Cobol, C/C++, and Assembler programs. When a source program listing is registered with MAT, you can enhance the histogram analysis data with the program listing details that pertain to the specific CSECT and program statement. The listing is transferred to the specified directory, which enables you to navigate directly to the line of the source code in you VS Code IDE and inspect the program statement. To use the listing retrieval option through Endeavor® footprints, you need to have the Endeavor® Web Services installed and configured and specify the Endeavor® web server details in the MAT database configuration.

## Profile Options

- `--mat-profile` | `--mat-p` (*string*)

- The name of a (mat) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.
 

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Get the CodeView measurement details in Module mode for monitor number 5:
  - `zowe mat monitor tranview callstack --mon_num 5`
- Get the CodeView measurement details in Module mode for the latest monitor in the TESTPROF profile:
  - `zowe mat monitor tranview callstack --profile TESTPROF`

## [zowe](#) › [mat](#) › [monitor](#) › [tranview](#) › [csect](#)

Get the CodeView measurement details in Csect mode.

## Usage

`zowe mat monitor tranview csect [options]`

## Options

- `--profile` (*string*)
  - Specifies the name of the profile that you want to analyze. When you specify the profile name, you get the data for the latest measurement within the specified profile.
- `--mon_num` (*number*)
  - Specifies the unique monitor number of the measurement.
- `--tran` (*string*)
  - Specifies the unique monitor number of the measurement.

## MAT Profile Options

- `--protocol` | `-o` (*string*)
  - Specifies the protocol defined for the MAT REST API server (http or https).  
  
Default value: https  
Allowed values: http, https
- `--host` | `-H` (*string*)
  - Specifies the hostname or IP address defined for the MAT REST API server (e.g. 127.0.0.0 or localhost).
- `--port` | `-P` (*number*)
  - Specifies the server port (e.g. 8080).
- `--user` | `-u` (*string*)
  - Your mainframe username.
- `--password` | `--pw` (*string*)
  - Your mainframe password.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--listingDir` | `--ldir` (*string*)
  - Specifies the directory where you want to store the registered program listings (e.g. 'c:\listings') for your immediate source code inspection. You can use the advantage of automated listing registration with MAT and listing retrieval through Endeavor® footprints for Cobol, C/C++, and Assembler programs. When a source program listing is registered with MAT, you can enhance the histogram analysis data with the program listing details that pertain to the specific CSECT and program statement. The listing is transferred to the specified directory, which enables you to navigate directly to the line of the source code in you VS Code IDE and inspect the program statement. To use the listing retrieval option through Endeavor® footprints, you need to have the Endeavor® Web Services installed and configured and specify the Endeavor® web server details in the MAT database configuration.

## Profile Options

- `--mat-profile` | `--mat-p` (*string*)
  - The name of a (mat) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Get the CodeView measurement details in Csect mode for monitor number 5:
  - `zowe mat monitor tranview csect --mon_num 5`
- Get the CodeView measurement details in Csect mode for the latest monitor in the TESTPROF profile:
  - `zowe mat monitor tranview csect --profile TESTPROF`
- Get the CodeView measurement details in Csect mode for monitor number 5, with the specific MAT profile details defined:
  - `zowe mat monitor tranview csect --mon_num 5 --host "example.com" --port 12345 --user johndoe --password qwerty`

## [zowe](#) › [mat](#) › [monitor](#) › [tranview](#) › [delay](#)

Get the delay details for the measurement.

### Usage

```
zowe mat monitor tranview delay [options]
```

### Options

- `--profile` (*string*)
  - Specifies the name of the profile that you want to analyze. When you specify the profile name, you get the data for the latest measurement within the specified profile.
- `--mon_num` (*number*)
  - Specifies the unique monitor number of the measurement.
- `--tran` (*string*)
  - Specifies the unique monitor number of the measurement.

## MAT Profile Options

- `--protocol` | `-o` (*string*)
  - Specifies the protocol defined for the MAT REST API server (http or https).  
  
Default value: https  
Allowed values: http, https
- `--host` | `-H` (*string*)
  - Specifies the hostname or IP address defined for the MAT REST API server (e.g. 127.0.0.0 or localhost).
- `--port` | `-P` (*number*)
  - Specifies the server port (e.g. 8080).
- `--user` | `-u` (*string*)
  - Your mainframe username.
- `--password` | `--pw` (*string*)
  - Your mainframe password.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--listingDir` | `--ldir` (*string*)
  - Specifies the directory where you want to store the registered program listings (e.g. 'c:\listings') for your immediate source code inspection. You can use the advantage of automated listing registration with MAT and listing retrieval through Endeavor® footprints for Cobol, C/C++, and Assembler programs. When a source program listing is registered with MAT, you can enhance the histogram analysis data with the program listing details that pertain to the specific CSECT and program statement. The listing is transferred to the

specified directory, which enables you to navigate directly to the line of the source code in you VS Code IDE and inspect the program statement. To use the listing retrieval option through Endeavor® footprints, you need to have the Endeavor® Web Services installed and configured and specify the Endeavor® web server details in the MAT database configuration.

## Profile Options

- `--mat-profile` | `--mat-p` (*string*)
  - The name of a (mat) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Get the DelayView measurement details for monitor number 5:
  - `zowe mat monitor tranview delay --mon_num 5`
- Get the DelayView measurement details for the latest monitor in the TESTPROF profile:

- `zowe mat monitor tranview delay --profile TESTPROF`
- Get the DelayView measurement details for monitor number 5, with the specific MAT profile details defined:
  - `zowe mat monitor tranview delay --mon_num 5 --host "example.com" --port 12345 --user johndoe --password qwerty`

## [zowe](#) › [mat](#) › [monitor](#) › [tranview](#) › [module](#)

Get the CodeView measurement details in Module mode.

### Usage

`zowe mat monitor tranview module [options]`

### Options

- `--profile` (*string*)
  - Specifies the name of the profile that you want to analyze. When you specify the profile name, you get the data for the latest measurement within the specified profile.
- `--mon_num` (*number*)
  - Specifies the unique monitor number of the measurement.
- `--tran` (*string*)
  - Specifies the transaction of the measurement.

### MAT Profile Options

- `--protocol` | `-o` (*string*)
  - Specifies the protocol defined for the MAT REST API server (http or https).  
  
Default value: https  
Allowed values: http, https
- `--host` | `-H` (*string*)
  - Specifies the hostname or IP address defined for the MAT REST API server (e.g. 127.0.0.0 or localhost).
- `--port` | `-P` (*number*)

- Specifies the server port (e.g. 8080).
- `--user` | `-u` (*string*)
  - Your mainframe username.
- `--password` | `--pw` (*string*)
  - Your mainframe password.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--listingDir` | `--ldir` (*string*)
  - Specifies the directory where you want to store the registered program listings (e.g. 'c:\listings') for your immediate source code inspection. You can use the advantage of automated listing registration with MAT and listing retrieval through Endeavor® footprints for Cobol, C/C++, and Assembler programs. When a source program listing is registered with MAT, you can enhance the histogram analysis data with the program listing details that pertain to the specific CSECT and program statement. The listing is transferred to the specified directory, which enables you to navigate directly to the line of the source code in you VS Code IDE and inspect the program statement. To use the listing retrieval option through Endeavor® footprints, you need to have the Endeavor® Web Services installed and configured and specify the Endeavor® web server details in the MAT database configuration.

## Profile Options

- `--mat-profile` | `--mat-p` (*string*)
  - The name of a (mat) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Get the Tranview measurement details in Module mode for monitor number 5:
  - `zowe mat monitor tranview module --mon_num 5`
- Get the Tranview measurement details in Module mode for the latest monitor in the TESTPROF profile:
  - `zowe mat monitor tranview module --profile TESTPROF`
- Get the Tranview measurement details in Module mode for transaction number MVGT, with the specific MAT profile details defined:
  - `zowe mat monitor tranview module --tran MVGT`

## [zowe](#) › [mat](#) › [monitor](#) › [tranview](#) › [stat](#)

Get the CodeView measurement details in Module mode.

### Usage

```
zowe mat monitor tranview stat [options]
```

### Options

- `--profile` (*string*)
  - Specifies the name of the profile that you want to analyze. When you specify the profile name, you get the data for the latest measurement within the specified profile.
- `--mon_num` (*number*)
  - Specifies the unique monitor number of the measurement.
- `--tran` (*string*)
  - Specifies the histogram group size parameter that defines the resolution of the histogram (e.g., `--group 32`). If you do not specify the group parameter, the group size value defaults to 4 bytes. If the source program listing is registered with MAT, the group size parameter is ignored. The `--group` parameter is optional. Lower values of the `--group` parameter result in more granular representation of the histogram data. Values: numbers between 2 and 999999.
- `--type` (*string*)
  - Specifies the histogram group size parameter that defines the resolution of the histogram (e.g., `--group 32`). If you do not specify the group parameter, the group size value defaults to 4 bytes. If the source program listing is registered with MAT, the group size parameter is ignored. The `--group` parameter is optional. Lower values of the `--group` parameter result in more granular representation of the histogram data. Values: numbers between 2 and 999999.

## MAT Profile Options

- `--protocol` | `-o` (*string*)
  - Specifies the protocol defined for the MAT REST API server (http or https).  
  
Default value: https  
Allowed values: http, https
- `--host` | `-H` (*string*)
  - Specifies the hostname or IP address defined for the MAT REST API server (e.g. 127.0.0.0 or localhost).
- `--port` | `-P` (*number*)
  - Specifies the server port (e.g. 8080).

- `--user` | `-u` (*string*)
  - Your mainframe username.
- `--password` | `--pw` (*string*)
  - Your mainframe password.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--listingDir` | `--ldir` (*string*)
  - Specifies the directory where you want to store the registered program listings (e.g. 'c:\listings') for your immediate source code inspection. You can use the advantage of automated listing registration with MAT and listing retrieval through Endeavor® footprints for Cobol, C/C++, and Assembler programs. When a source program listing is registered with MAT, you can enhance the histogram analysis data with the program listing details that pertain to the specific CSECT and program statement. The listing is transferred to the specified directory, which enables you to navigate directly to the line of the source code in you VS Code IDE and inspect the program statement. To use the listing retrieval option through Endeavor® footprints, you need to have the Endeavor® Web Services installed and configured and specify the Endeavor® web server details in the MAT database configuration.

## Profile Options

- `--mat-profile` | `--mat-p` (*string*)
  - The name of a (mat) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Get the CodeView measurement details in Module mode for monitor number 5:
  - `zowe mat monitor tranview stat --mon_num 5`
- Get the CodeView measurement details in Module mode for the latest monitor in the TESTPROF profile:
  - `zowe mat monitor tranview stat --profile TESTPROF`

## zowe › mat › profile

---

Create, invoke, and list MAT monitor profiles.

### zowe › mat › profile › create

Create a MAT monitor profile.

#### Usage

```
zowe mat profile create [options]
```

#### Required Options

- `--profile` (*string*)

- Specifies the name of the profile that you create in MAT (e.g. PROFILE1). Values: 1 to 8 characters, a combination of alphanumeric and national characters (A-Z, 0-9, and @), the first character must be an alphabetic or @. The profile name must not contain characters # and \$.
- `--jobname` (*string*)
  - Specifies the name of the job that you want to measure (e.g. JOB1). Values: 1 to 8 characters, alphanumeric (A-Z capitals only and 0-9), national (#, \$, @), and wildcards (\* or %).
- `--targsys` (*string*)
  - Specifies the target system in SYSPLEX. Values: a comma separated list of up to 4 values is allowed, 1-8 characters each, a combination of alphanumeric (A-Z and 0-9) and national (@,#,\$), the first character must be an alphabetic (A-Z) or a national (@, #, \$), e.g. AA31,AA32).

## Options

- `--batchreports` (*string*)
  - Specifies the setting for the Batch report option upon monitor completion.  
  
Default value: no  
Allowed values: yes, no
- `--description` (*string*)
  - Provide the monitor description (maximum 24 characters).
- `--mondsn` (*string*)
  - Specifies the monitor data set name where MAT saves the measurement (e.g. DEMO.MAT.MONITOR). Values: data set name pattern, maximum 46 characters. If not specified, your default MAT monitor DSN pattern is applied.
- `--stepname` (*string*)
  - Specifies the name of the job step to monitor. Values: maximum 8 characters, alphanumeric (A-Z capitals only and 0-9), national (#, \$, @), and wildcards (\* or %).
- `--mstep` (*string*)
  - Indicates whether the multi-step monitoring option is enabled.

Default value: no

Allowed values: yes, no

- `--procstep` (*string*)
  - Specifies the name of the procedure step. Values: maximum 8 characters, alphanumeric (A-Z capitals only and 0-9), national (#, \$, @), and wildcards (\* or %).
- `--program` (*string*)
  - Specifies the name of the program to monitor. Values: maximum 8 characters, alphanumeric (A-Z capitals only and 0-9), national (#, \$, @), and wildcards (\* or %).
- `--elapstime` (*string*)
  - Specifies the required monitor duration followed by s (seconds) or m (minutes) (e.g. 60s). Values: maximum 6 characters total, number must be > 0.

Default value: 60s

- `--smon` (*string*)
  - Specifies whether to monitor the entire step.

Default value: no

Allowed values: yes, no

- `--tasklib` (*string*)
  - Specifies an additional DD name for load modules. Values: maximum 8 characters, alphanumeric (A-Z capitals only and 0-9), national (#, \$, @), and wildcards (\* or %).

- `--samplcnt` (*string*)
  - Specifies the number of observations requested. Values: maximum 6 characters, numbers between 10 and 999999.

Default value: 6000

- `--succnt` (*string*)
  - Specifies the maximum number of monitors to run per job execution. Values: maximum 4 characters, numbers between 1 and 9999.

Default value: 1

- `--recnt` (*string*)

- Specifies the number of times this job step will be monitored. Values: maximum 4 characters, numbers between 1 and 9999.

Default value: 1

- `--samplelay` (*string*)

- Specifies the delay monitoring time in seconds after the step start. Values: maximum 4 characters, numbers between 0 and 9999.

Default value: 0

- `--userexit1` (*string*)

- Specifies the name for the call user written Data Base. Values: maximum 8 characters, alphanumeric (A-Z capitals only and 0-9), national (#, \$, @), and wildcards (\* or %) (e.g. DBEXIT1).

- `--userexit2` (*string*)

- Specifies the name 1 for the call user written 4GL exit programs for this monitor . Values: maximum 8 characters, alphanumeric (A-Z capitals only and 0-9), national (#, \$, @), and wildcards (\* or %) (e.g. UEXIT1).

- `--userexit3` (*string*)

- Specifies the name 2 for the call user written 4GL exit programs for this monitor . Values: maximum 8 characters, alphanumeric (A-Z capitals only and 0-9), national (#, \$, @), and wildcards (\* or %) (e.g. UEXIT2).

- `--inctask` (*string*)

- Specifies the task name to define the tasks that you want to sample in a multitasking environment and restrict monitoring to the specific subtask within the address space. Values: a comma separated list of up to 4 values is allowed, maximum 8 characters each, alphanumeric (A-Z capitals only and 0-9), national (#, \$, @), and wildcards (\* or %) (e.g. INC31,INC32).

- `--exctask` (*string*)

- Specifies the task name to omit from sampling in a multitasking environment Values: a comma separated list of up to 4 values is allowed, max. 8 characters each, alphanumeric (A-Z capitals only and 0-9), national (#, \$, @), and wildcards (\* or %) (e.g. EXC31,EXC32).

- `--tran` (*string*)
  - Specifies the CICS transaction code name to monitor. Values: a comma separated list of up to 4 values is allowed, maximum 8 characters each, alphanumeric (A-Z capitals only and 0-9), national (#, \$, @), and wildcards (\* or +) (e.g. TRAN1,TRAN2).
- `--term` (*string*)
  - Specifies the CICS terminal IDs to monitor. Values: a comma separated list of up to 4 values is allowed, maximum 8 characters each, alphanumeric (A-Z capitals only and 0-9), national (#, \$, @), and wildcards (\* or +) (e.g. TERM1,TERM2).
- `--userid` (*string*)
  - Specifies the CICS user IDs to monitor. Values: Values: a comma separated list of up to 4 values is allowed, maximum 8 characters each, alphanumeric (A-Z capitals only and 0-9), national (#, \$, @), and wildcards (\* or +) (e.g. USER1,USER2).
- `--db2expl` (*string*)
  - Indicates whether the Explain SQL option is enabled for DB2 SQL statements.  
  
Default value: no  
Allowed values: yes, no
- `--db2ctsql` (*string*)
  - Indicates whether the Collect SQL from Catalog option is enabled for DB2 SQL statements.If you specify db2expl=yes, then db2ctsql must be also set to yes.  
  
Default value: no  
Allowed values: yes, no
- `--db2hvloc` (*string*)
  - Indicates whether the Requestor Location option is enabled for DB2 measurements.  
  
Default value: no  
Allowed values: yes, no
- `--db2hvcor` (*string*)
  - Indicates whether the Correlation ID option for SQL statements is enabled for DB2 measurements.

Default value: no

Allowed values: yes, no

- `--db2hviid` (*string*)

- Indicates whether the Operator ID option for SQL statements is enabled for DB2 measurements.

Default value: no

Allowed values: yes, no

- `--db2hvtld` (*string*)

- Indicates whether the Thread Address option for SQL statements is enabled for DB2 measurements.

Default value: no

Allowed values: yes, no

- `--wasexprt` (*string*)

- Indicates whether the Expert Mode is enabled for Java measurement.

Default value: no

Allowed values: yes, no

- `--urlfilt` (*string*)

- A filtering string to restrict monitoring to the specific application URL, transaction, or stored procedure for Java measurements. Values: a comma separated list of up to 4 values is allowed, max. 64 characters (e.g. mypage1.html, mypage2.html).

- `--sysfilt` (*string*)

- A filtering string to include the specified system class for Java measurements. If you specify a value for sysfilt, the measurement includes only the classes that match the filtering string pattern. Values: a comma separated list of up to 3 values is allowed, max. 64 characters (e.g. user1.class, user2.class).

- `--schedule` (*string*)

- Specifies the name of the schedule that you want to apply to the monitor profile (maximum 8 characters).

## MAT Profile Options

- `--protocol` | `-o` (*string*)
  - Specifies the protocol defined for the MAT REST API server (http or https).  
  
Default value: https  
Allowed values: http, https
- `--host` | `-H` (*string*)
  - Specifies the hostname or IP address defined for the MAT REST API server (e.g. 127.0.0.0 or localhost).
- `--port` | `-P` (*number*)
  - Specifies the server port (e.g. 8080).
- `--user` | `-u` (*string*)
  - Your mainframe username.
- `--password` | `--pw` (*string*)
  - Your mainframe password.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--listingDir` | `--ldir` (*string*)
  - Specifies the directory where you want to store the registered program listings (e.g. 'c:\listings') for your immediate source code inspection. You can use the advantage of automated listing registration with MAT and listing retrieval through Endeavor® footprints for Cobol, C/C++, and Assembler programs. When a source program listing is registered with MAT, you can enhance the histogram analysis data with the program listing details that pertain to the specific CSECT and program statement. The listing is transferred to the specified directory, which enables you to navigate directly to the line of the source code in you VS Code IDE and inspect the program statement. To use the listing retrieval option

through Endeavor® footprints, you need to have the Endeavor® Web Services installed and configured and specify the Endeavor® web server details in the MAT database configuration.

## Profile Options

- `--mat-profile` | `--mat-p` (*string*)
  - The name of a (mat) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Create the PROFILE1 monitor profile to measure job JOB1 that runs on the AA31 system:
  - `zowe mat profile create --profile PROFILE1 --jobname JOB1 --targsys AA31`
- Create the PROFILE1 monitor profile to measure for 90 seconds job JOB1 that runs on the AA31 and AA32 systems:

- `zowe mat profile create --profile PROFILE1 --jobname JOB1 --targsys AA31,AA32 --elapstime 90s`

- Create the PROFILE1 monitor profile to measure job JOB1 that runs on the AA31 system, with the specific MAT profile details defined:

- `zowe mat profile create --profile PROFILE1 --jobname JOB1 --targsys AA31 --host "example.com" --port 12345 --user johndoe --password qwerty`

## [zowe](#) › [mat](#) › [profile](#) › [invoke](#)

Invoke a MAT monitor profile to start measurement.

### Usage

`zowe mat profile invoke [options]`

### Required Options

- `--profile` (*string*)
  - Specifies the name of the profile in MAT that you invoke (e.g. PROFILE1). Values: 1 to 8 characters, a combination of alphanumeric and national characters (A-Z, 0-9, and @), the first character must be an alphabetic or @. The profile name must not contain characters # and \$.
- `--jobname` (*string*)
  - Specifies the name of the job to be measured (e.g. JOB1). Values: 1 to 8 characters, alphanumeric (A-Z capitals only and 0-9), national (#, \$, @), and wildcards (\* or %).
- `--targsys` (*string*)
  - Specifies the target system in SYSPLEX. Values: a comma separated list of up to 4 values is allowed, maximum 8 characters each, a combination of alphanumeric (A-Z and 0-9) and national (@,#,\$), the first character must be an alphabetic (A-Z) or a national (@, #, \$) (e.g. AA31,AA32).

### Options

- `--mondsn` (*string*)
  - Specifies the monitor data set name where MAT saves the measurement (e.g. DEMO.MAT.MONITOR). Values: data set name pattern, maximum 46 characters. If not specified, your default MAT monitor DSN pattern is applied.

- `--moiuuid` (*string*)
  - Specifies the MOI UUID. Values: maximum 61 characters, alphanumeric (A-Z and 0-9). If you use this parameter for command execution, the value cannot be blank.
- `--moitimestamp` (*string*)
  - Specifies the MOI timestamp. Values: maximum 12 characters, numbers only (0-9). If you use this parameter for command execution, the value cannot be blank.
- `--listing` (*boolean*)
  - Activates automated registration of Cobol, C/C++, and Assembler program listings through Endeavor® footprints. After completion of the measurement that you invoke with the `--listing` parameter, the MAT Analyze plug-in for Zowe CLI automatically retrieves the program listing that is associated with the monitored job and registers the listing with MAT. A registered program listing enhances the analysis possibilities of the 'codeview histogram' command the 'codeview histogram' command and enables you to inspect the source code statements that are associated with specific modules and CSECTs.

## MAT Profile Options

- `--protocol` | `-o` (*string*)
  - Specifies the protocol defined for the MAT REST API server (http or https).  
  
Default value: https  
Allowed values: http, https
- `--host` | `-H` (*string*)
  - Specifies the hostname or IP address defined for the MAT REST API server (e.g. 127.0.0.0 or localhost).
- `--port` | `-P` (*number*)
  - Specifies the server port (e.g. 8080).
- `--user` | `-u` (*string*)
  - Your mainframe username.
- `--password` | `--pw` (*string*)
  - Your mainframe password.

- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--listingDir` | `--ldir` (*string*)
  - Specifies the directory where you want to store the registered program listings (e.g. 'c:\listings') for your immediate source code inspection. You can use the advantage of automated listing registration with MAT and listing retrieval through Endeavor® footprints for Cobol, C/C++, and Assembler programs. When a source program listing is registered with MAT, you can enhance the histogram analysis data with the program listing details that pertain to the specific CSECT and program statement. The listing is transferred to the specified directory, which enables you to navigate directly to the line of the source code in you VS Code IDE and inspect the program statement. To use the listing retrieval option through Endeavor® footprints, you need to have the Endeavor® Web Services installed and configured and specify the Endeavor® web server details in the MAT database configuration.

## Profile Options

- `--mat-profile` | `--mat-p` (*string*)
  - The name of a (mat) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)

- The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Invoke the PROFILE1 monitor profile to measure job JOB1 that runs on the AA31 system :
  - `zowe mat profile invoke --profile PROFILE1 --jobname JOB1 --targsys AA31`
- Invoke the PROFILE1 monitor profile to measure job JOB1 that runs on the AA31 system and save the measurement result in the DEMO.MAT.MONITOR.PROFILE1 data set:
  - `zowe mat profile invoke --profile PROFILE1 --jobname JOB1 --targsys AA31 --mondsn DEMO.MAT.MONITOR.PROFILE1`
- Invoke the PROFILE1 monitor profile to measure job JOB1 that runs on the AA31 system and register the program listing:
  - `zowe mat profile invoke --profile PROFILE1 --jobname JOB1 --targsys AA31 --listing`
- Invoke the PROFILE1 monitor profile to measure job JOB1 that runs on the AA31 system with the specific MAT profile details defined:
  - `zowe mat profile invoke --profile PROFILE1 --jobname JOB1 --targsys AA31 --host "example.com" --port 12345 --user johndoe --password qwerty`

## [zowe](#) › [mat](#) › [profile](#) › [list](#)

Get the list of available monitor profiles.

### Usage

```
zowe mat profile list [options]
```

### MAT Profile Options

- `--protocol` | `-o` (*string*)
  - Specifies the protocol defined for the MAT REST API server (http or https).  
  
Default value: https  
Allowed values: http, https
- `--host` | `-H` (*string*)
  - Specifies the hostname or IP address defined for the MAT REST API server (e.g. 127.0.0.0 or localhost).
- `--port` | `-P` (*number*)
  - Specifies the server port (e.g. 8080).
- `--user` | `-u` (*string*)
  - Your mainframe username.
- `--password` | `--pw` (*string*)
  - Your mainframe password.
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--listingDir` | `--ldir` (*string*)
  - Specifies the directory where you want to store the registered program listings (e.g. 'c:\listings') for your immediate source code inspection. You can use the advantage of automated listing registration with MAT and listing retrieval through Endeavor® footprints for Cobol, C/C++, and Assembler programs. When a source program listing is registered with MAT, you can enhance the histogram analysis data with the program listing details that pertain to the specific CSECT and program statement. The listing is transferred to the specified directory, which enables you to navigate directly to the line of the source code in you VS Code IDE and inspect the program statement. To use the listing retrieval option

through Endeavor® footprints, you need to have the Endeavor® Web Services installed and configured and specify the Endeavor® web server details in the MAT database configuration.

## Profile Options

- `--mat-profile` | `--mat-p` (*string*)
  - The name of a (mat) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## zowe › mat-pma-util

---

The MAT Detect plug-in for Zowe CLI enables you to detect performance issues and access performance data supplied by the Performance Management Assistant component (PMA) of Mainframe Application Tuner.

## zowe › mat-pma-util › get

---

Get performance information using PMA utilities. You can get the current performance data of your jobs and check for the daily performance alerts.

## zowe › mat-pma-util › get › alert

Check for alerts created in PMA and detect whether any of your jobs exceeds the average daily performance. If the threshold is exceeded, a PMA alert is triggered. We recommend that you include this command in your end-of-day build to trace all jobs that might cause performance degradation by code changes during the day.

### Usage

```
zowe mat-pma-util get alert [options]
```

### PMA Connection Options

- `--job_acct` | `--ja` (*string*)
  - Specifies z/OS TSO/E accounting information. Values: numeric characters (0-9)
- `--job_class` | `--jc` (*string*)
  - Your z/OS class information. Values: alphanumeric characters (A-Z, 0-9)
- `--job_mclass` | `--jmc` (*string*)
  - Specifies the MSGCLASS parameter value and assigns the job log to the specified output class. The specified MSGCLASS value is used in all JCLs that PMA runs while you execute the commands. If you do not provide the job\_mclass parameter, the default MSGCLASS value is used. Values: alphanumeric characters (A-Z, 0-9)

Default value: A

- `--job_load` | `--jl` (*string*)

- Specifies the PMA loadlib data set name that you defined during the PMA customization (&HLQ.CEETLOAD)
- `--job_pmahlq` | `--jph` (*string*)
  - Specifies your PMA HLQ to access the KSDSALT, KSDSJOB, and KSDSEXC VSAM files that ensure the collection of the necessary data

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--pma-profile` | `--pma-p` (*string*)
  - The name of a (pma) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--host` | `-H` (*string*)
  - Host name of service on the mainframe.
- `--port` | `-P` (*number*)
  - Port number of service on the mainframe.
- `--user` | `-u` (*string*)
  - User name to authenticate to service on the mainframe.
- `--password` | `--pass` | `--pw` (*string*)
  - Password to authenticate to service on the mainframe.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--token-type` | `--tt` (*string*)

- The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Check whether any of your jobs exceeds the average daily performance using the default profile:
  - `zowe mat-pma-util get alert`
- Check whether any of your jobs exceeds the average daily performance using specific PMA profile details:
  - `zowe mat-pma-util get alert --ja 123456789 --jc A --jmc A --jl HLQ.CEETLOAD --jph PMAHLQ`

## [zowe](#) › [mat-pma-util](#) › [get](#) › [alert-by-job](#)

Check whether the specified job exceeds the average daily performance. No record returned indicates that no performance degradation was detected for this job.

## Usage

```
zowe mat-pma-util get alert-by-job <jobname> [options]
```

## Positional Arguments

- `jobname` (*string*)
  - Specifies the name of the job that is being tested (e.g. TESTPMA8).

## PMA Connection Options

- `--job_acct` | `--ja` (*string*)
  - Specifies z/OS TSO/E accounting information. Values: numeric characters (0-9)
- `--job_class` | `--jc` (*string*)
  - Your z/OS class information. Values: alphanumeric characters (A-Z, 0-9)
- `--job_mclass` | `--jmc` (*string*)
  - Specifies the MSGCLASS parameter value and assigns the job log to the specified output class. The specified MSGCLASS value is used in all JCLs that PMA runs while you execute the commands. If you do not provide the job\_mclass parameter, the default MSGCLASS value is used. Values: alphanumeric characters (A-Z, 0-9)

Default value: A
- `--job_load` | `--jl` (*string*)
  - Specifies the PMA loadlib data set name that you defined during the PMA customization (&HLQ.CEETLOAD)
- `--job_pmahlq` | `--jph` (*string*)
  - Specifies your PMA HLQ to access the KSDSALT, KSDSJOB, and KSDSEXC VSAM files that ensure the collection of the necessary data

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--pma-profile` | `--pma-p` (*string*)
  - The name of a (pma) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--host` | `-H` (*string*)

- Host name of service on the mainframe.
- `--port` | `-P` (*number*)
  - Port number of service on the mainframe.
- `--user` | `-u` (*string*)
  - User name to authenticate to service on the mainframe.
- `--password` | `--pass` | `--pw` (*string*)
  - Password to authenticate to service on the mainframe.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Check whether your job TESTPMA8 exceeds the average daily performance using the default profile:
  - `zowe mat-pma-util get alert-by-job TESTPMA8`

- Check whether your job TESTPMA8 exceeds the average daily performance using specific PMA profile details:
  - `zowe mat-pma-util get alert-by-job TESTPMA8 --ja 123456789 --jc A --jmc A --jl HLQ.CEETLOAD --jph PMAHLQ`

## [zowe](#) › [mat-pma-util](#) › [get](#) › [perf](#)

Get the current performance data of a specific job using PMA. If the current measurement results for any of the measured parameters are higher than average values, an alert message is displayed.

### Usage

```
zowe mat-pma-util get perf <jobname> [options]
```

### Positional Arguments

- `jobname` (*string*)
  - Specifies the name of the job that is being tested (e.g. TESTPMA8).

### PMA Connection Options

- `--job_acct` | `--ja` (*string*)
  - Specifies z/OS TSO/E accounting information. Values: numeric characters (0-9)
- `--job_class` | `--jc` (*string*)
  - Your z/OS class information. Values: alphanumeric characters (A-Z, 0-9)
- `--job_mclass` | `--jmc` (*string*)
  - Specifies the MSGCLASS parameter value and assigns the job log to the specified output class. The specified MSGCLASS value is used in all JCLs that PMA runs while you execute the commands. If you do not provide the job\_mclass parameter, the default MSGCLASS value is used. Values: alphanumeric characters (A-Z, 0-9)

Default value: A

- `--job_load` | `--jl` (*string*)
  - Specifies the PMA loadlib data set name that you defined during the PMA customization (&HLQ.CEETLOAD)

- `--job_pmahlq` | `--jph` (*string*)
  - Specifies your PMA HLQ to access the KSDSALT, KSDSJOB, and KSDSEXC VSAM files that ensure the collection of the necessary data

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--pma-profile` | `--pma-p` (*string*)
  - The name of a (pma) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--host` | `-H` (*string*)
  - Host name of service on the mainframe.
- `--port` | `-P` (*number*)
  - Port number of service on the mainframe.
- `--user` | `-u` (*string*)
  - User name to authenticate to service on the mainframe.
- `--password` | `--pass` | `--pw` (*string*)
  - Password to authenticate to service on the mainframe.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Get the current performance data of the TESTPMA8 job using the default profile:
  - `zowe mat-pma-util get perf TESTPMA8`
- Get the current performance data of the TESTPMA8 job using specific PMA profile details:
  - `zowe mat-pma-util get perf TESTPMA8 --ja 123456789 --jc A --jmc A --jl HLQ.CEETLOAD --jph PMAHLQ`

## [zowe](#) › [mat-pma-util](#) › [scope](#)

---

Get and define the PMA scope information. You can create and update the list of jobs that you want to include, or the list of programs to be excluded from the PMA scope of work.

### [zowe](#) › [mat-pma-util](#) › [scope](#) › [del-job](#)

Delete a job from the list of inclusions in the PMA scope.

#### Usage

```
zowe mat-pma-util scope del-job <jobname> [options]
```

#### Positional Arguments

- `jobname` (*string*)
  - Specifies the name of the job that you want to delete from the list of inclusions in the PMA scope (e.g. TESTPMA8).

## Options

- `--stepname` | `--st` (*string*)
  - Specifies the name of the job step that you want to delete from the list of inclusions in the PMA scope.
- `--procstep` | `--ps` (*string*)
  - Specifies the procname of the job that you want to delete from the list of inclusions in the PMA scope.

## PMA Connection Options

- `--job_acct` | `--ja` (*string*)
  - Specifies z/OS TSO/E accounting information. Values: numeric characters (0-9)
- `--job_class` | `--jc` (*string*)
  - Your z/OS class information. Values: alphanumeric characters (A-Z, 0-9)
- `--job_mclass` | `--jmc` (*string*)
  - Specifies the MSGCLASS parameter value and assigns the job log to the specified output class. The specified MSGCLASS value is used in all JCLs that PMA runs while you execute the commands. If you do not provide the job\_mclass parameter, the default MSGCLASS value is used. Values: alphanumeric characters (A-Z, 0-9)

Default value: A

- `--job_load` | `--jl` (*string*)
  - Specifies the PMA loadlib data set name that you defined during the PMA customization (&HLQ.CEETLOAD)
- `--job_pmahlq` | `--jph` (*string*)
  - Specifies your PMA HLQ to access the KSDSALT, KSDSJOB, and KSDSEXC VSAM files that ensure the collection of the necessary data

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.

- `--pma-profile` | `--pma-p` (*string*)
  - The name of a (pma) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--host` | `-H` (*string*)
  - Host name of service on the mainframe.
- `--port` | `-P` (*number*)
  - Port number of service on the mainframe.
- `--user` | `-u` (*string*)
  - User name to authenticate to service on the mainframe.
- `--password` | `--pass` | `--pw` (*string*)
  - Password to authenticate to service on the mainframe.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Delete the TESTPMA8 job from the list of inclusions in the PMA scope:
  - `zowe mat-pma-util scope del-job TESTPMA8`
- Delete the specific procname and step name of the TESTPMA8 job from the list of inclusions in the PMA scope:
  - `zowe mat-pma-util scope del-job TESTPMA8 --ps TESTCALL --st TESTDO`
- Delete the specific procname and step name of the TESTPMA8 job from the list of inclusions in the PMA scope using specific PMA profile details:
  - `zowe mat-pma-util scope del-job TESTPMA8 --ps TESTCALL --st TESTDO --ja 123456789 --jc A --jmc A --jl HLQ.CEETLOAD --jph PMAHLQ`

## [zowe](#) › [mat-pma-util](#) › [scope](#) › [del-pgm](#)

Delete a program from the list of exclusions from the PMA scope.

## Usage

```
zowe mat-pma-util scope del-pgm <pgmname> [options]
```

## Positional Arguments

- `pgmname` (*string*)
  - Specifies the name of the program that you want to delete from the list of exclusions from the PMA scope (e.g. TESTPMA8).

## PMA Connection Options

- `--job_acct` | `--ja` (*string*)
  - Specifies z/OS TSO/E accounting information. Values: numeric characters (0-9)
- `--job_class` | `--jc` (*string*)
  - Your z/OS class information. Values: alphanumeric characters (A-Z, 0-9)

- `--job_mclass` | `--jmc` (*string*)
  - Specifies the MSGCLASS parameter value and assigns the job log to the specified output class. The specified MSGCLASS value is used in all JCLs that PMA runs while you execute the commands. If you do not provide the job\_mclass parameter, the default MSGCLASS value is used. Values: alphanumeric characters (A-Z, 0-9)

Default value: A
- `--job_load` | `--jl` (*string*)
  - Specifies the PMA loadlib data set name that you defined during the PMA customization (&HLQ.CEETLOAD)
- `--job_pmahlq` | `--jph` (*string*)
  - Specifies your PMA HLQ to access the KSDSALT, KSDSJOB, and KSDSEXC VSAM files that ensure the collection of the necessary data

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--pma-profile` | `--pma-p` (*string*)
  - The name of a (pma) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--host` | `-H` (*string*)
  - Host name of service on the mainframe.
- `--port` | `-P` (*number*)
  - Port number of service on the mainframe.
- `--user` | `-u` (*string*)
  - User name to authenticate to service on the mainframe.

- `--password` | `--pass` | `--pw` (*string*)
  - Password to authenticate to service on the mainframe.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Delete the TESTPMA8 program from the exclusions list from the PMA scope:
  - `zowe mat-pma-util scope del-pgm TESTPMA8`
- Delete the TESTPMA8 program from the exclusions list from the PMA scope using specific PMA profile details:
  - `zowe mat-pma-util scope del-pgm TESTPMA8 --ja 123456789 --jc A --jmc A --jl HLQ.CEETLOAD --jph PMAHLQ`

## [zowe](#) › [mat-pma-util](#) › [scope](#) › [exl-pgm](#)

Exclude a program from the PMA scope of work.

## Usage

zowe mat-pma-util scope exl-pgm <pgmname> [options]

## Positional Arguments

- `pgmname` (*string*)
  - Specifies the name of the program that you want to add to the list of exclusions from the PMA scope (e.g. TESTPMA8).

## Options

- `--description` | `--dc` (*string*)
  - Specifies the description of the program that you want to exclude from the PMA scope.

## PMA Connection Options

- `--job_acct` | `--ja` (*string*)
  - Specifies z/OS TSO/E accounting information. Values: numeric characters (0-9)
- `--job_class` | `--jc` (*string*)
  - Your z/OS class information. Values: alphanumeric characters (A-Z, 0-9)
- `--job_mclass` | `--jmc` (*string*)
  - Specifies the MSGCLASS parameter value and assigns the job log to the specified output class. The specified MSGCLASS value is used in all JCLs that PMA runs while you execute the commands. If you do not provide the job\_mclass parameter, the default MSGCLASS value is used. Values: alphanumeric characters (A-Z, 0-9)

Default value: A

- `--job_load` | `--jl` (*string*)
  - Specifies the PMA loadlib data set name that you defined during the PMA customization (&HLQ.CEETLOAD)
- `--job_pmahlq` | `--jph` (*string*)
  - Specifies your PMA HLQ to access the KSDSALT, KSDSJOB, and KSDSEXC VSAM files that ensure the collection of the necessary data

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--pma-profile` | `--pma-p` (*string*)
  - The name of a (pma) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--host` | `-H` (*string*)
  - Host name of service on the mainframe.
- `--port` | `-P` (*number*)
  - Port number of service on the mainframe.
- `--user` | `-u` (*string*)
  - User name to authenticate to service on the mainframe.
- `--password` | `--pass` | `--pw` (*string*)
  - Password to authenticate to service on the mainframe.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Exclude the TESTPMA8 program from the PMA scope:
  - `zowe mat-pma-util scope exl-pgm TESTPMA8`
- Exclude the TESTPMA8 program from the PMA scope and add a description to the excluded program:
  - `zowe mat-pma-util scope exl-pgm TESTPMA8 --dc "EXCLUDE FROM THE CURRENT SCOPE"`
- Exclude the TESTPMA8 program from the PMA scope and add a description to the excluded program using specific PMA profile details:
  - `zowe mat-pma-util scope exl-pgm TESTPMA8 --dc "EXCLUDE FROM THE CURRENT SCOPE" --ja 123456789 --jc A --jmc A --jl HLQ.CEETLOAD --jph PMAHLQ`

## [zowe](#) › [mat-pma-util](#) › [scope](#) › [get-listj](#)

Get the list of jobs included in the PMA scope.

### Usage

```
zowe mat-pma-util scope get-listj [options]
```

### PMA Connection Options

- `--job_acct` | `--ja` (*string*)
  - Specifies z/OS TSO/E accounting information. Values: numeric characters (0-9)
- `--job_class` | `--jc` (*string*)
  - Your z/OS class information. Values: alphanumeric characters (A-Z, 0-9)
- `--job_mclass` | `--jmc` (*string*)

- Specifies the MSGCLASS parameter value and assigns the job log to the specified output class. The specified MSGCLASS value is used in all JCLs that PMA runs while you execute the commands. If you do not provide the job\_mclass parameter, the default MSGCLASS value is used. Values: alphanumeric characters (A-Z, 0-9)

Default value: A

- `--job_load` | `--jl` (*string*)
  - Specifies the PMA loadlib data set name that you defined during the PMA customization (&HLQ.CEETLOAD)
- `--job_pmahlq` | `--jph` (*string*)
  - Specifies your PMA HLQ to access the KSDSALT, KSDSJOB, and KSDSEXC VSAM files that ensure the collection of the necessary data

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--pma-profile` | `--pma-p` (*string*)
  - The name of a (pma) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--host` | `-H` (*string*)
  - Host name of service on the mainframe.
- `--port` | `-P` (*number*)
  - Port number of service on the mainframe.
- `--user` | `-u` (*string*)
  - User name to authenticate to service on the mainframe.
- `--password` | `--pass` | `--pw` (*string*)

- Password to authenticate to service on the mainframe.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Get the list of jobs included in the PMA scope:
  - `zowe mat-pma-util scope get-listj`
- Get the list of jobs included in the PMA scope using specific PMA profile details:
  - `zowe mat-pma-util scope get-listj --ja 123456789 --jc A --jmc A --jl HLQ.CEETLOAD --jph PMAHLQ`

## [zowe](#) › [mat-pma-util](#) › [scope](#) › [get-listj](#)

Get the list of programs excluded from the PMA scope.

## Usage

```
zowe mat-pma-util scope get-listj [options]
```

## PMA Connection Options

- `--job_acct` | `--ja` *(string)*
  - Specifies z/OS TSO/E accounting information. Values: numeric characters (0-9)
- `--job_class` | `--jc` *(string)*
  - Your z/OS class information. Values: alphanumeric characters (A-Z, 0-9)
- `--job_mclass` | `--jmc` *(string)*
  - Specifies the MSGCLASS parameter value and assigns the job log to the specified output class. The specified MSGCLASS value is used in all JCLs that PMA runs while you execute the commands. If you do not provide the job\_mclass parameter, the default MSGCLASS value is used. Values: alphanumeric characters (A-Z, 0-9)

Default value: A
- `--job_load` | `--jl` *(string)*
  - Specifies the PMA loadlib data set name that you defined during the PMA customization (&HLQ.CEETLOAD)
- `--job_pmahlq` | `--jph` *(string)*
  - Specifies your PMA HLQ to access the KSDSALT, KSDSJOB, and KSDSEXC VSAM files that ensure the collection of the necessary data

## Profile Options

- `--zosmf-profile` | `--zosmf-p` *(string)*
  - The name of a (zosmf) profile to load for this command execution.
- `--pma-profile` | `--pma-p` *(string)*
  - The name of a (pma) profile to load for this command execution.
- `--base-profile` | `--base-p` *(string)*
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--host` | `-H` *(string)*

- Host name of service on the mainframe.
- `--port` | `-P` (*number*)
  - Port number of service on the mainframe.
- `--user` | `-u` (*string*)
  - User name to authenticate to service on the mainframe.
- `--password` | `--pass` | `--pw` (*string*)
  - Password to authenticate to service on the mainframe.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Get the list of programs excluded from the PMA scope:
  - `zowe mat-pma-util scope get-listp`
- Get the list of programs excluded from the PMA scope using specific PMA profile details:

- `zowe mat-pma-util scope get-listp --ja 123456789 --jc A --jmc A --jl HLQ.CEETLOAD --jph PMAHLQ`

## [zowe](#) › [mat-pma-util](#) › [scope](#) › [inc-job](#)

Include a job in the PMA scope of work.

### Usage

```
zowe mat-pma-util scope inc-job <jobname> [options]
```

### Positional Arguments

- `jobname` (*string*)
  - Specifies the name of the job that you want to add to the list of inclusions in the PMA scope (e.g. TESTPMA8).

### Options

- `--stepname` | `--st` (*string*)
  - Specifies the name of the job step that you want to include in the PMA scope.
- `--procstep` | `--ps` (*string*)
  - Specifies the procname of the job that you want to include in the PMA scope.
- `--description` | `--dc` (*string*)
  - Specifies the description of the job that you want to include in the PMA scope.

### PMA Connection Options

- `--job_acct` | `--ja` (*string*)
  - Specifies z/OS TSO/E accounting information. Values: numeric characters (0-9)
- `--job_class` | `--jc` (*string*)
  - Your z/OS class information. Values: alphanumeric characters (A-Z, 0-9)
- `--job_mclass` | `--jmc` (*string*)
  - Specifies the MSGCLASS parameter value and assigns the job log to the specified output class. The specified MSGCLASS value is used in all JCLs that PMA runs while

you execute the commands. If you do not provide the `job_mclass` parameter, the default `MSGCLASS` value is used. Values: alphanumeric characters (A-Z, 0-9)

Default value: A

- `--job_load` | `--jl` (*string*)
  - Specifies the PMA loadlib data set name that you defined during the PMA customization (&HLQ.CEETLOAD)
- `--job_pmahlq` | `--jph` (*string*)
  - Specifies your PMA HLQ to access the KSDSALT, KSDSJOB, and KSDSEXC VSAM files that ensure the collection of the necessary data

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--pma-profile` | `--pma-p` (*string*)
  - The name of a (pma) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--host` | `-H` (*string*)
  - Host name of service on the mainframe.
- `--port` | `-P` (*number*)
  - Port number of service on the mainframe.
- `--user` | `-u` (*string*)
  - User name to authenticate to service on the mainframe.
- `--password` | `--pass` | `--pw` (*string*)
  - Password to authenticate to service on the mainframe.

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.
  - Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.
  - Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Include the TESTPMA8 job in the PMA scope:
  - `zowe mat-pma-util scope inc-job TESTPMA8`
- Include the specific procname and step name of the TESTPMA8 job in the PMA scope and add a description to the included job:
  - `zowe mat-pma-util scope inc-job TESTPMA8 --ps TESTCALL --st TESTDO --dc "INCLUDE IN THE CURRENT SCOPE"`
- Include the specific procname and step name of the TESTPMA8 job in the PMA scope and add a description to the included job using specific PMA profile details:
  - `zowe mat-pma-util scope inc-job TESTPMA8 --ps TESTCALL --st TESTDO --dc "INCLUDE IN THE CURRENT SCOPE" --ja 123456789 --jc A --jmc A --jl HLQ.CEETLOAD --jph PMAHLQ`

## zowe › mq

---

Interact with IBM MQ for z/OS.

## zowe › mq › run

---

MQ Utilities

## zowe › mq › run › mqsc

MQ Utilities

### Usage

```
zowe mq run mqsc <qmgr> <cmd> [options]
```

### Positional Arguments

- `qmgr` (*string*)
  - The queue manager to apply the command to
- `cmd` (*string*)
  - The MQSC command

### MQ Connection Options

- `--host` | `-H` (*string*)
  - The host name used to access the IBM MQ REST API. This might be the host name of the IBM MQ mqweb server, or the Zowe API Mediation Layer..
- `--port` | `-P` (*number*)
  - The port number used to access the IBM MQ REST API. This might be the port number of the IBM MQ mqweb server, or the Zowe API Mediation Layer.
- `--user` | `-u` (*string*)
  - The mainframe (MQ) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)

- The mainframe (MQ) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: false
- `--protocol` (*string*)
  - Specifies the MQ protocol (http or https).  
Default value: https  
Allowed values: http, https

### Profile Options

- `--mq-profile` | `--mq-p` (*string*)
  - The name of a (mq) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

### Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- The following sequence shows how to query a server-connection channel that is called NEWSVRCONN on an MQ queue manager - our example queue manager is called MQ99:
  - `zowe mq run mqsc MQ99 "DISPLAY CHANNEL(NEWSVRCONN)"`

## zowe › omspool

---

Interact with Output Management Spool™ for z/OS (OM Spool)

## zowe › omspool › issue

---

Issue OM Spool commands.

## zowe › omspool › issue › command

Issue commands to work with OM Spool.

### Usage

```
zowe omspool issue command <command-text> [options]
```

### Positional Arguments

- `command-text` (*string*)
  - The OM Spool command to issue.

### OM SPOOL OPTIONS

- `--account` | `-a` (*string*)
  - z/OS TSO/E accounting information.
- `--spoolhlq` | `--hlq` (*string*)
  - High level qualifier of OM Spool installation.
- `--subsys` | `--sub` (*string*)
  - OM Spool subsystem name.  
  
Default value: ESF
- `--outds` | `--out` (*string*)
  - The SYSTSPRT data set allocated by CAI.CBQ4JCL(BQ4JZOWE). It must be unique for each Zowe CLI user interacting with OM Spool.
- `--clist` | `--cl` (*string*)

- The data set containing ESFZOWE REXX exec.

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)

- The file path to a certificate key file to use for authentication

## Profile Options

- `--omspool-profile` | `--omspool-p` (*string*)
  - The name of a (omspool) profile to load for this command execution.
- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Issue the OM Spool command 'DS' to display the status of the ESF system:
  - `zowe omspool issue command "DS"`

## zowe › omview

---

Access Output Management View™ for z/OS data and perform related tasks.

## zowe › omview › download

---

Download OM View report data to local folder.

## zowe › omview › download › report

Download report data.

Optionally convert text report to PDF.

### Usage

```
zowe omview download report <repositoryId> <reportHandle> [fileTarget] [options]
```

### Positional Arguments

- `repositoryId` (*number*)
  - Repository identifier.
- `reportHandle` (*string*)
  - Report handle.
- `fileTarget` (*string*)
  - Local file path.  
If the path represents a directory location, the report will be downloaded into that directory using a default file name.  
If the path does not represent a directory location, the report will be downloaded into the specified path.  
If the path is not specified, the file will be saved to the current working directory using the default file name.  
Any missing directories will be created. If the target file already exists, the file will be overwritten.

### Options

- `--convert-to-pdf` | `--to-pdf` (*boolean*)

- Converts text report to PDF.

Default value: false

- `--page-orientation` | `--orientation` (*string*)

- Page orientation for converted PDF.

Default value: PORTRAIT

Allowed values: PORTRAIT, LANDSCAPE

- `--font-size` | `--font` (*number*)

- Font size for converted PDF.

Default value: 12

- `--green-bar` (*boolean*)

- Include green-bar background in converted PDF.

Default value: false

- `--pages` (*string*)

- Include the specified page numbers (or page ranges). Separate page numbers (or page ranges) with commas.

Separate boundaries of a page range with a dash (-). If you do not specify this option, all the pages of the report are downloaded.

Allowed values:  $(\d+(-\d+)?)(,\d+(-\d+)?)^*$

- `--content-filter` | `--filter` (*string*)

- Filter text report content using a permanent filter definition.

If the product instance does not support this feature, this option is ignored.

## OM Web Viewer Connection Options

- `--host` | `--hostname` (*string*)

- Hostname or ip address of the target OM Web Viewer instance.

- `--port` (*number*)

- Port of the target OM Web Viewer instance.

Default value: 443

- `--user` | `--username` (*string*)
  - User name used to authenticate against the target OM Web Viewer instance.
- `--password` (*string*)
  - Password used to authenticate against the target OM Web Viewer instance.
- `--base-path` (*string*)
  - Context name of the target OM Web Viewer instance.

Default value: web-viewer

- `--protocol` (*string*)
  - Protocol of the target OM Web Viewer instance.

Default value: https

Allowed values: http, https

## Profile Options

- `--omview-profile` | `--omview-p` (*string*)
  - The name of a (omview) profile to load for this command execution.
- `--caview-profile` | `--caview-p` (*string*)
  - The name of a (caview) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--token-type` | `--tt` (*string*)

- The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## [zowe](#) › [omview](#) › [export](#)

---

Export OM View text report file to local folder.

## [zowe](#) › [omview](#) › [export](#) › [report](#)

Export text report to spreadsheet using a predefined export rule.

### Usage

```
zowe omview export report <repositoryId> <reportHandle> <ruleId> [fileTarget] [options]
```

### Positional Arguments

- `repositoryId` (*number*)
  - Repository identifier.
- `reportHandle` (*string*)
  - Report handle.
- `ruleId` (*number*)
  - Export rule identifier.
- `fileTarget` (*string*)

- Local file path.

If the path represents a directory location, the report will be exported into that directory using a default file name.

If the path does not represent a directory location, the report will be exported into the specified path.

If the path is not specified, the file will be saved to the current working directory using the default file name.

Any missing directories will be created. If the target file already exists, the file will be overwritten.

## Options

- `--pages` (*string*)
  - Include the specified page numbers (or page ranges). Separate page numbers (or page ranges) with commas.  
Separate boundaries of a page range with a dash (-). If you do not specify this option, all the pages of the report are exported.

Allowed values:  $(\d+(\-\d+)?)((\d+(\-\d+)?)?)^*$

## OM Web Viewer Connection Options

- `--host` | `--hostname` (*string*)
  - Hostname or ip address of the target OM Web Viewer instance.
- `--port` (*number*)
  - Port of the target OM Web Viewer instance.  
  
Default value: 443
- `--user` | `--username` (*string*)
  - User name used to authenticate against the target OM Web Viewer instance.
- `--password` (*string*)
  - Password used to authenticate against the target OM Web Viewer instance.
- `--base-path` (*string*)
  - Context name of the target OM Web Viewer instance.

Default value: web-viewer

- `--protocol` (*string*)
  - Protocol of the target OM Web Viewer instance.  
  
Default value: https  
Allowed values: http, https

## Profile Options

- `--omview-profile` | `--omview-p` (*string*)
  - The name of a (omview) profile to load for this command execution.
- `--caview-profile` | `--caview-p` (*string*)
  - The name of a (caview) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)

- The file path to a certificate key file to use for authentication

## [zowe](#) › [omview](#) › [get](#)

---

Get information from OM View repository.

## [zowe](#) › [omview](#) › [get](#) › [user](#)

---

Get user information from repository.

## [zowe](#) › [omview](#) › [get](#) › [user](#) › [settings](#)

---

Get current user settings from repository.

### Usage

```
zowe omview get user settings <repositoryId> [options]
```

### Positional Arguments

- `repositoryId` (*number*)
  - Repository identifier.

### Options

- `--output-format` | `--output` (*string*)
  - Output format. This option is ignored if '--response-format-json' is specified.  
  
Default value: tabular  
Allowed values: tabular, csv, json, xml
- `--output-header` | `--header` (*boolean*)
  - Include header with field names in the output when you specify 'tabular' or 'csv' for the output format.  
This option is ignored when you specify any other output format.  
  
Default value: true
- `--output-field` | `-f` (*array*)

- Field to include in the output. Multiple fields can be specified. Fields appear in the order you specify.

Default value: Mode,DistId,ModeAccess,DistMask

Allowed values: Mode, DistId, ModeAccess, DistMask, Banner, Language, MasterAuthority, Printer, UserId

## OM Web Viewer Connection Options

- `--host` | `--hostname` (*string*)
  - Hostname or ip address of the target OM Web Viewer instance.
- `--port` (*number*)
  - Port of the target OM Web Viewer instance.  
Default value: 443
- `--user` | `--username` (*string*)
  - User name used to authenticate against the target OM Web Viewer instance.
- `--password` (*string*)
  - Password used to authenticate against the target OM Web Viewer instance.
- `--base-path` (*string*)
  - Context name of the target OM Web Viewer instance.  
Default value: web-viewer
- `--protocol` (*string*)
  - Protocol of the target OM Web Viewer instance.  
Default value: https  
Allowed values: http, https

## Profile Options

- `--omview-profile` | `--omview-p` (*string*)
  - The name of a (omview) profile to load for this command execution.
- `--caview-profile` | `--caview-p` (*string*)

- The name of a (caview) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## [zowe](#) › [omview](#) › [list](#)

---

List OM View repository, report, and user information.

### [zowe](#) › [omview](#) › [list](#) › [export-rules](#)

List export rules defined for a report.

Use the returned 'Identifier' in the 'export report' command to reference that rule.

## Usage

```
zowe omview list export-rules <reportId> [options]
```

## Positional Arguments

- `reportId` (*string*)
  - Report ID (Name).

## Options

- `--output-format` | `--output` (*string*)
  - Output format. This option is ignored if '--response-format-json' is specified.  
  
Default value: tabular  
Allowed values: tabular, csv, json, xml
- `--output-header` | `--header` (*boolean*)
  - Include header with field names in the output when you specify 'tabular' or 'csv' for the output format.  
This option is ignored when you specify any other output format.  
  
Default value: true
- `--output-field` | `-f` (*array*)
  - Field to include in the output. Multiple fields can be specified. Fields appear in the order you specify.  
  
Default value: Identifier,Name,Description  
Allowed values: Identifier, Name, Description, Owner, Public

## OM Web Viewer Connection Options

- `--host` | `--hostname` (*string*)
  - Hostname or ip address of the target OM Web Viewer instance.
- `--port` (*number*)
  - Port of the target OM Web Viewer instance.  
  
Default value: 443
- `--user` | `--username` (*string*)
  - User name used to authenticate against the target OM Web Viewer instance.

- `--password` (*string*)
  - Password used to authenticate against the target OM Web Viewer instance.
- `--base-path` (*string*)
  - Context name of the target OM Web Viewer instance.

Default value: web-viewer
- `--protocol` (*string*)
  - Protocol of the target OM Web Viewer instance.

Default value: https  
Allowed values: http, https

## Profile Options

- `--omview-profile` | `--omview-p` (*string*)
  - The name of a (omview) profile to load for this command execution.
- `--caview-profile` | `--caview-p` (*string*)
  - The name of a (caview) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## [zowe](#) › [omview](#) › [list](#) › [report](#)

---

List information about a specific report.

## [zowe](#) › [omview](#) › [list](#) › [report](#) › [index-names](#)

List indexes for a a specific report.

Use the returned 'IndexNameHandle' to reference a report index.

Use the returned 'IndexNameHandle' in the 'list report index-values' command to retrieve the list of associated index values for that index.

### Usage

```
zowe omview list report index-names <repositoryId> <reportHandle> [options]
```

### Positional Arguments

- `repositoryId` (*number*)
  - Repository identifier.
- `reportHandle` (*string*)
  - Report handle.

### Options

- `--filter-names` | `--names` (*string*)
  - Filter (include) based on index name. Separate multiple index names with commas. Use the asterisk (\*) as a wildcard to represent any number of characters.

Default value: `*,*,*,*,*,*,*`

- `--output-format` | `--output` (*string*)
  - Output format. This option is ignored if '--response-format-json' is specified.
  - Default value: tabular
  - Allowed values: tabular, csv, json, xml
- `--output-header` | `--header` (*boolean*)
  - Include header with field names in the output when you specify 'tabular' or 'csv' for the output format.
  - This option is ignored when you specify any other output format.
  - Default value: true
- `--output-field` | `-f` (*array*)
  - Field to include in the output. Multiple fields can be specified. Fields appear in the order you specify.
  - Default value: Index,SubIndexNames,IndexNameHandle
  - Allowed values: Index, SubIndexNames, IndexNameHandle

## OM Web Viewer Connection Options

- `--host` | `--hostname` (*string*)
  - Hostname or ip address of the target OM Web Viewer instance.
- `--port` (*number*)
  - Port of the target OM Web Viewer instance.
  - Default value: 443
- `--user` | `--username` (*string*)
  - User name used to authenticate against the target OM Web Viewer instance.
- `--password` (*string*)
  - Password used to authenticate against the target OM Web Viewer instance.
- `--base-path` (*string*)
  - Context name of the target OM Web Viewer instance.

Default value: web-viewer

- `--protocol` (*string*)
  - Protocol of the target OM Web Viewer instance.

Default value: https

Allowed values: http, https

## Profile Options

- `--omview-profile` | `--omview-p` (*string*)
  - The name of a (omview) profile to load for this command execution.
- `--caview-profile` | `--caview-p` (*string*)
  - The name of a (caview) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search [Troubleshooting PEM Certificates in Zowe Docs](#).

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## [zowe](#) › [omview](#) › [list](#) › [report](#) › [index-values](#)

List index values for a report index.

Use the returned 'ReportHandle' to reference an index value in other commands.

For example, use 'ReportHandle' in the 'download report' command to download that corresponding view of the report.

### Usage

```
zowe omview list report index-values <repositoryId> <reportHandle> <indexNameHandle>
[options]
```

### Positional Arguments

- `repositoryId` (*number*)
  - Repository identifier.
- `reportHandle` (*string*)
  - Report handle.
- `indexNameHandle` (*string*)
  - Index name handle.

### Options

- `--filter-values` | `--values` (*string*)
  - Filter (include) based on index values. Separate index values with commas. Use the asterisk (\*) as a wildcard to represent any number of characters.

Default value: `*,*,*,*,*,*,*`

- `--output-format` | `--output` (*string*)
  - Output format. This option is ignored if '--response-format-json' is specified.

Default value: `tabular`

Allowed values: `tabular, csv, json, xml`

- `--output-header` | `--header` (*boolean*)
  - Include header with field names in the output when you specify 'tabular' or 'csv' for the output format.  
This option is ignored when you specify any other output format.  
  
Default value: true
- `--output-field` | `-f` (*array*)
  - Field to include in the output. Multiple fields can be specified. Fields appear in the order you specify.  
  
Default value: Value,SubValues,ReportHandle  
Allowed values: Value, SubValues, ReportHandle

## OM Web Viewer Connection Options

- `--host` | `--hostname` (*string*)
  - Hostname or ip address of the target OM Web Viewer instance.
- `--port` (*number*)
  - Port of the target OM Web Viewer instance.  
  
Default value: 443
- `--user` | `--username` (*string*)
  - User name used to authenticate against the target OM Web Viewer instance.
- `--password` (*string*)
  - Password used to authenticate against the target OM Web Viewer instance.
- `--base-path` (*string*)
  - Context name of the target OM Web Viewer instance.  
  
Default value: web-viewer
- `--protocol` (*string*)
  - Protocol of the target OM Web Viewer instance.

Default value: https

Allowed values: http, https

## Profile Options

- `--omview-profile` | `--omview-p` (*string*)
  - The name of a (omview) profile to load for this command execution.
- `--caview-profile` | `--caview-p` (*string*)
  - The name of a (caview) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

List logical views available for a specific report.

Use the returned 'ReportHandle' to reference a logical view in other commands.

For example, use 'ReportHandle' in the 'download report' command to download the logical view of that report.

Use the returned 'IndexNameHandle' in the 'list report index-values' command to retrieve the list of associated index values (if defined) for that index.

## Usage

```
zowe omview list report logical-views <repositoryId> <reportHandle> [options]
```

## Positional Arguments

- `repositoryId` (*number*)
  - Repository identifier.
- `reportHandle` (*string*)
  - Report handle.

## Options

- `--output-format` | `--output` (*string*)
  - Output format. This option is ignored if '--response-format-json' is specified.  
  
Default value: tabular  
Allowed values: tabular, csv, json, xml
- `--output-header` | `--header` (*boolean*)
  - Include header with field names in the output when you specify 'tabular' or 'csv' for the output format.  
This option is ignored when you specify any other output format.  
  
Default value: true
- `--output-field` | `-f` (*array*)
  - Field to include in the output. Multiple fields can be specified. Fields appear in the order you specify.  
  
Default value: Description,Index,SubIndexNames,ReportHandle,IndexNameHandle  
Allowed values: Description, Index, SubIndexNames, ReportHandle, IndexNameHandle, Number, ViewId, Default

## OM Web Viewer Connection Options

- `--host` | `--hostname` (*string*)
  - Hostname or ip address of the target OM Web Viewer instance.
- `--port` (*number*)
  - Port of the target OM Web Viewer instance.  
Default value: 443
- `--user` | `--username` (*string*)
  - User name used to authenticate against the target OM Web Viewer instance.
- `--password` (*string*)
  - Password used to authenticate against the target OM Web Viewer instance.
- `--base-path` (*string*)
  - Context name of the target OM Web Viewer instance.  
Default value: web-viewer
- `--protocol` (*string*)
  - Protocol of the target OM Web Viewer instance.  
Default value: https  
Allowed values: http, https

## Profile Options

- `--omview-profile` | `--omview-p` (*string*)
  - The name of a (omview) profile to load for this command execution.
- `--caview-profile` | `--caview-p` (*string*)
  - The name of a (caview) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## [zowe](#) › [omview](#) › [list](#) › [reports](#)

List reports in a repository.

Use the returned 'ReportHandle' to reference a report in other commands.

For example, use the 'ReportHandle' in the 'download report' command to download that report.

### Usage

```
zowe omview list reports <repositoryId> [options]
```

### Positional Arguments

- `repositoryId` (*number*)
  - Repository identifier.

### Options

- `--filter-name` | `-n` (*string*)

- Filter (include) based on report name. Use the asterisk (\*) as a wildcard to represent any number of characters.

Default value: \*

- `--limit` | `-l` (*number*)

- Limit (maximum number) of retrieved records.

Default value: 1000

- `--latest-versions` | `--latest-version` | `--lv` (*number*)

- Number of latest versions (of reports) to include. If not specified, all versions of reports are included.

Default value: 0

- `--archival-since` | `--since` | `--archival-from` | `--from` (*string*)

- Date of earliest archived reports to include based on archival date. Specify a value in the ISO-8601 format.

- `--archival-until` | `--until` | `--archival-to` | `--to` (*string*)

- Date of latest archived reports to include based on archival date. Specify a value in the ISO-8601 format.

- `--output-header` | `--header` (*boolean*)

- Include header with field names in the output when you specify 'tabular' or 'csv' for the output format.

This option is ignored when you specify any other output format.

Default value: true

- `--output-format` | `--output` (*string*)

- Output format. This option is ignored if '--response-format-json' is specified.

Default value: tabular

Allowed values: tabular, csv, json, xml

- `--output-field` | `-f` (*array*)

- Field to include in the output. Multiple fields can be specified. Fields appear in the order you specify.

Default value:

ReportName,Lines,Pages,Type,ArchivalDate,Description,UserComments,ReportHandle  
Allowed values: ReportName, Lines, Pages, Type, ArchivalDate, Description,  
UserComments, ReportHandle, TotalPages, OriginalType, Destination, JobName, Origin,  
Generation, SequenceNumber, SysoutClass, Status, JobID, Forms, XCode, UserID,  
ReadDate, PrintDate, OnDisk, OnTape, OnOptical, IndexOnDisk, Location,  
TapeSequence, TapePosition, TapeCount, ExtendedRetentionOptionID, RemainingDays,  
RemainingGenerations, RemainingCopy, RemainingDiskDays,  
RemainingDiskGeneration, RemainingDiskCopy, RemainingDisk2days

## OM Web Viewer Connection Options

- `--host` | `--hostname` (*string*)
  - Hostname or ip address of the target OM Web Viewer instance.
- `--port` (*number*)
  - Port of the target OM Web Viewer instance.  
  
Default value: 443
- `--user` | `--username` (*string*)
  - User name used to authenticate against the target OM Web Viewer instance.
- `--password` (*string*)
  - Password used to authenticate against the target OM Web Viewer instance.
- `--base-path` (*string*)
  - Context name of the target OM Web Viewer instance.  
  
Default value: web-viewer
- `--protocol` (*string*)
  - Protocol of the target OM Web Viewer instance.  
  
Default value: https  
Allowed values: http, https

## Profile Options

- `--omview-profile` | `--omview-p` (*string*)

- The name of a (omview) profile to load for this command execution.
- `--caview-profile` | `--caview-p` (*string*)
  - The name of a (caview) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## [zowe](#) › [omview](#) › [list](#) › [repositories](#)

List repositories.

Use the returned 'Identifier' to reference a repository in other commands.

For example, use the 'Identifier' in the list reports' command to list reports in that repository.

## Usage

`zowe omview list repositories [options]`

## Options

- `--filter-name` | `-n` (*string*)
  - Filter (include) based on repository name. Use the question mark (?) as a wildcard to represent a single character. Use the asterisk (\*) as a wildcard to represent any number of characters.
- `--filter-path` | `-p` (*string*)
  - Filter (include) based on repository path. Use the percent sign (%) as a wildcard to represent a single character. Use the asterisk (\*) as a wildcard to represent any number of characters.

Default value: \*
- `--output-format` | `--output` (*string*)
  - Output format. This option is ignored if '--response-format-json' is specified.

Default value: tabular  
Allowed values: tabular, csv, json, xml
- `--output-header` | `--header` (*boolean*)
  - Include header with field names in the output when you specify 'tabular' or 'csv' for the output format.

This option is ignored when you specify any other output format.

Default value: true
- `--output-field` | `-f` (*array*)
  - Field to include in the output. Multiple fields can be specified. Fields appear in the order you specify.

Default value: Identifier,Name,Description,Path,CharacterSet  
Allowed values: Identifier, Name, Description, Path, CharacterSet, ReportAccess, CreatedBy, DateCreated, ModifiedBy, ModifiedDate

## OM Web Viewer Connection Options

- `--host` | `--hostname` (*string*)
  - Hostname or ip address of the target OM Web Viewer instance.

- `--port` (*number*)
  - Port of the target OM Web Viewer instance.
  - Default value: 443
- `--user` | `--username` (*string*)
  - User name used to authenticate against the target OM Web Viewer instance.
- `--password` (*string*)
  - Password used to authenticate against the target OM Web Viewer instance.
- `--base-path` (*string*)
  - Context name of the target OM Web Viewer instance.
  - Default value: web-viewer
- `--protocol` (*string*)
  - Protocol of the target OM Web Viewer instance.
  - Default value: https
  - Allowed values: http, https

## Profile Options

- `--omview-profile` | `--omview-p` (*string*)
  - The name of a (omview) profile to load for this command execution.
- `--caview-profile` | `--caview-p` (*string*)
  - The name of a (caview) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.
  - Default value: true

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## [zowe](#) › [omview](#) › [search](#)

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Search data in a OM View repository.

## [zowe](#) › [omview](#) › [search](#) › [index](#)

---

Search cross-report index data in a repository.

## [zowe](#) › [omview](#) › [search](#) › [index](#) › [names](#)

Search cross-report index names in a repository.

Use the returned 'IndexNameHandle' to reference a cross-report index name.

For example, use the 'IndexNameHandle' in the 'search index values' command to retrieve the list of index values for that cross-report index.

### Usage

```
zowe omview search index names <repositoryId> [options]
```

### Positional Arguments

- `repositoryId` (*number*)
  - Repository identifier.

## Options

- `--filter-reports` | `--reports` (*string*)
  - Filter (include) based on report names (IDs). Use the asterisk (\*) as a wildcard to represent any number of characters.

Default value: \*
- `--filter-names` | `--names` (*string*)
  - Filter (include) based on index name. Separate multiple index names with commas. Use the asterisk (\*) as a wildcard to represent any number of characters.

Default value: \*,\*,\*,\*,\*,\*,\*
- `--latest-versions` | `--latest-version` | `--lv` (*number*)
  - Number of latest versions (of reports) to include. If not specified, all versions of reports are included.

Default value: 0
- `--archival-since` | `--since` | `--archival-from` | `--from` (*string*)
  - Date of earliest archived reports to include based on archival date. Specify a value in the ISO-8601 format.
- `--archival-until` | `--until` | `--archival-to` | `--to` (*string*)
  - Date of latest archived reports to include based on archival date. Specify a value in the ISO-8601 format.
- `--online-only` | `--online` (*boolean*)
  - Include only those reports that are available online.

Default value: true
- `--output-format` | `--output` (*string*)
  - Output format. This option is ignored if '--response-format-json' is specified.

Default value: tabular  
Allowed values: tabular, csv, json, xml
- `--output-header` | `--header` (*boolean*)

- Include header with field names in the output when you specify 'tabular' or 'csv' for the output format.

This option is ignored when you specify any other output format.

Default value: true

- `--output-field` | `-f` (*array*)

- Field to include in the output. Multiple fields can be specified. Fields appear in the order you specify.

Default value: Index,SubIndexNames,IndexNameHandle

Allowed values: Index, SubIndexNames, IndexNameHandle

## OM Web Viewer Connection Options

- `--host` | `--hostname` (*string*)

- Hostname or ip address of the target OM Web Viewer instance.

- `--port` (*number*)

- Port of the target OM Web Viewer instance.

Default value: 443

- `--user` | `--username` (*string*)

- User name used to authenticate against the target OM Web Viewer instance.

- `--password` (*string*)

- Password used to authenticate against the target OM Web Viewer instance.

- `--base-path` (*string*)

- Context name of the target OM Web Viewer instance.

Default value: web-viewer

- `--protocol` (*string*)

- Protocol of the target OM Web Viewer instance.

Default value: https

Allowed values: http, https

## Profile Options

- `--omview-profile` | `--omview-p` (*string*)
  - The name of a (omview) profile to load for this command execution.
- `--caview-profile` | `--caview-p` (*string*)
  - The name of a (caview) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## [zowe](#) › [omview](#) › [search](#) › [index](#) › [reports](#)

Search reports containing a cross-report index value in a repository.  
Use the returned 'ReportHandle' to reference a view of the report.

For example, use the 'ReportHandle' in the 'download report' command to download that view of the report.

## Usage

zowe omview search index reports <repositoryId> <indexNameHandle> <valueHandle> [options]

## Positional Arguments

- `repositoryId` (*number*)
  - Repository identifier.
- `indexNameHandle` (*string*)
  - Index name handle.
- `valueHandle` (*string*)
  - Index value handle.

## Options

- `--filter-reports` | `--reports` (*string*)
  - Filter (include) based on report names (IDs). Use the asterisk (\*) as a wildcard to represent any number of characters.

Default value: \*
- `--latest-versions` | `--latest-version` | `--lv` (*number*)
  - Number of latest versions (of reports) to include. If not specified, all versions of reports are included.

Default value: 0
- `--archival-since` | `--since` | `--archival-from` | `--from` (*string*)
  - Date of earliest archived reports to include based on archival date. Specify a value in the ISO-8601 format.
- `--archival-until` | `--until` | `--archival-to` | `--to` (*string*)
  - Date of latest archived reports to include based on archival date. Specify a value in the ISO-8601 format.

- `--online-only` | `--online` (*boolean*)
  - Include only those reports that are available online.

Default value: true
- `--output-format` | `--output` (*string*)
  - Output format. This option is ignored if '--response-format-json' is specified.

Default value: tabular  
Allowed values: tabular, csv, json, xml
- `--output-header` | `--header` (*boolean*)
  - Include header with field names in the output when you specify 'tabular' or 'csv' for the output format.

This option is ignored when you specify any other output format.

Default value: true
- `--output-field` | `-f` (*array*)
  - Field to include in the output. Multiple fields can be specified. Fields appear in the order you specify.

Default value:  
ReportName,Lines,Pages,Type,ArchivalDate,Description,UserComments,ReportHandle  
Allowed values: ReportName, Lines, Pages, Type, ArchivalDate, Description, UserComments, ReportHandle, TotalPages, OriginalType, Destination, JobName, Origin, Generation, SequenceNumber, SysoutClass, Status, JobID, Forms, XCode, UserID, ReadDate, PrintDate, OnDisk, OnTape, OnOptical, IndexOnDisk, Location, TapeSequence, TapePosition, TapeCount, ExtendedRetentionOptionID, RemainingDays, RemainingGenerations, RemainingCopy, RemainingDiskDays, RemainingDiskGeneration, RemainingDiskCopy, RemainingDisk2days

## OM Web Viewer Connection Options

- `--host` | `--hostname` (*string*)
  - Hostname or ip address of the target OM Web Viewer instance.
- `--port` (*number*)
  - Port of the target OM Web Viewer instance.

Default value: 443

- `--user` | `--username` (*string*)
  - User name used to authenticate against the target OM Web Viewer instance.
- `--password` (*string*)
  - Password used to authenticate against the target OM Web Viewer instance.
- `--base-path` (*string*)
  - Context name of the target OM Web Viewer instance.

Default value: web-viewer

- `--protocol` (*string*)
  - Protocol of the target OM Web Viewer instance.

Default value: https

Allowed values: http, https

## Profile Options

- `--omview-profile` | `--omview-p` (*string*)
  - The name of a (omview) profile to load for this command execution.
- `--caview-profile` | `--caview-p` (*string*)
  - The name of a (caview) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--token-type` | `--tt` (*string*)

- The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## [zowe](#) › [omview](#) › [search](#) › [index](#) › [values](#)

Search cross-report index values in a repository.

Use the returned 'IndexValueHandle' in the 'search index reports' command to retrieve the list of reports containing that index value.

### Usage

```
zowe omview search index values <repositoryId> <indexNameHandle> [options]
```

### Positional Arguments

- `repositoryId` (*number*)
  - Repository identifier.
- `indexNameHandle` (*string*)
  - Index name handle.

### Options

- `--filter-reports` | `--reports` (*string*)
  - Filter (include) based on report names (IDs). Use the asterisk (\*) as a wildcard to represent any number of characters.

Default value: \*

- `--filter-values` | `--values` (*string*)
  - Filter (include) based on index values. Separate index values with commas. Use the asterisk (\*) as a wildcard to represent any number of characters.  
  
Default value: `*,*,*,*,*,*`
- `--latest-versions` | `--latest-version` | `--lv` (*number*)
  - Number of latest versions (of reports) to include. If not specified, all versions of reports are included.  
  
Default value: 0
- `--archival-since` | `--since` | `--archival-from` | `--from` (*string*)
  - Date of earliest archived reports to include based on archival date. Specify a value in the ISO-8601 format.
- `--archival-until` | `--until` | `--archival-to` | `--to` (*string*)
  - Date of latest archived reports to include based on archival date. Specify a value in the ISO-8601 format.
- `--online-only` | `--online` (*boolean*)
  - Include only those reports that are available online.  
  
Default value: true
- `--output-format` | `--output` (*string*)
  - Output format. This option is ignored if '--response-format-json' is specified.  
  
Default value: tabular  
Allowed values: tabular, csv, json, xml
- `--output-header` | `--header` (*boolean*)
  - Include header with field names in the output when you specify 'tabular' or 'csv' for the output format.  
This option is ignored when you specify any other output format.  
  
Default value: true
- `--output-field` | `-f` (*array*)

- Field to include in the output. Multiple fields can be specified. Fields appear in the order you specify.

Default value: Value,SubValues,IndexValueHandle

Allowed values: Value, SubValues, IndexValueHandle

## OM Web Viewer Connection Options

- `--host` | `--hostname` (*string*)

- Hostname or ip address of the target OM Web Viewer instance.

- `--port` (*number*)

- Port of the target OM Web Viewer instance.

Default value: 443

- `--user` | `--username` (*string*)

- User name used to authenticate against the target OM Web Viewer instance.

- `--password` (*string*)

- Password used to authenticate against the target OM Web Viewer instance.

- `--base-path` (*string*)

- Context name of the target OM Web Viewer instance.

Default value: web-viewer

- `--protocol` (*string*)

- Protocol of the target OM Web Viewer instance.

Default value: https

Allowed values: http, https

## Profile Options

- `--omview-profile` | `--omview-p` (*string*)

- The name of a (omview) profile to load for this command execution.

- `--caview-profile` | `--caview-p` (*string*)

- The name of a (caview) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## [zowe](#) › [omview](#) › [set](#)

---

Set information in OM View repository.

## [zowe](#) › [omview](#) › [set](#) › [user](#)

---

Set configuration for current user in repository.

## [zowe](#) › [omview](#) › [set](#) › [user](#) › [distribution](#)

Set distribution id for current user in repository.

## Usage

zowe omview set user distribution <repositoryId> <distributionId> [options]

## Positional Arguments

- `repositoryId` (*number*)
  - Repository identifier.
- `distributionId` (*string*)
  - Distribution ID.

## Options

- `--output-format` | `--output` (*string*)
  - Output format. This option is ignored if '--response-format-json' is specified.  
  
Default value: tabular  
Allowed values: tabular, csv, json, xml
- `--output-header` | `--header` (*boolean*)
  - Include header with field names in the output when you specify 'tabular' or 'csv' for the output format.  
This option is ignored when you specify any other output format.  
  
Default value: true
- `--output-field` | `-f` (*array*)
  - Field to include in the output. Multiple fields can be specified. Fields appear in the order you specify.  
  
Default value: Mode,DistId,ModeAccess,DistMask  
Allowed values: Mode, DistId, ModeAccess, DistMask, Banner, Language, MasterAuthority, Printer, UserId

## OM Web Viewer Connection Options

- `--host` | `--hostname` (*string*)
  - Hostname or ip address of the target OM Web Viewer instance.
- `--port` (*number*)

- Port of the target OM Web Viewer instance.

Default value: 443

- `--user` | `--username` (*string*)
  - User name used to authenticate against the target OM Web Viewer instance.
- `--password` (*string*)
  - Password used to authenticate against the target OM Web Viewer instance.
- `--base-path` (*string*)
  - Context name of the target OM Web Viewer instance.  
Default value: web-viewer
- `--protocol` (*string*)
  - Protocol of the target OM Web Viewer instance.  
Default value: https  
Allowed values: http, https

## Profile Options

- `--omview-profile` | `--omview-p` (*string*)
  - The name of a (omview) profile to load for this command execution.
- `--caview-profile` | `--caview-p` (*string*)
  - The name of a (caview) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--token-type` | `--tt` (*string*)

- The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## [zowe](#) › [omview](#) › [set](#) › [user](#) › [mode](#)

Set mode for current user in repository.

### Usage

```
zowe omview set user mode <repositoryId> <mode> [options]
```

### Positional Arguments

- `repositoryId` (*number*)
  - Repository identifier.
- `mode` (*string*)
  - User mode.  
Must match regular expression: `^(ALL|SAR|SAR0|EXP|EXPO)$`

### Options

- `--output-format` | `--output` (*string*)
  - Output format. This option is ignored if '--response-format-json' is specified.  
  
Default value: tabular  
Allowed values: tabular, csv, json, xml

- `--output-header` | `--header` (*boolean*)
  - Include header with field names in the output when you specify 'tabular' or 'csv' for the output format.  
This option is ignored when you specify any other output format.  
  
Default value: true
- `--output-field` | `-f` (*array*)
  - Field to include in the output. Multiple fields can be specified. Fields appear in the order you specify.  
  
Default value: Mode,DistId,ModeAccess,DistMask  
Allowed values: Mode, DistId, ModeAccess, DistMask, Banner, Language, MasterAuthority, Printer, UserId

## OM Web Viewer Connection Options

- `--host` | `--hostname` (*string*)
  - Hostname or ip address of the target OM Web Viewer instance.
- `--port` (*number*)
  - Port of the target OM Web Viewer instance.  
  
Default value: 443
- `--user` | `--username` (*string*)
  - User name used to authenticate against the target OM Web Viewer instance.
- `--password` (*string*)
  - Password used to authenticate against the target OM Web Viewer instance.
- `--base-path` (*string*)
  - Context name of the target OM Web Viewer instance.  
  
Default value: web-viewer
- `--protocol` (*string*)
  - Protocol of the target OM Web Viewer instance.

Default value: https

Allowed values: http, https

## Profile Options

- `--omview-profile` | `--omview-p` (*string*)
  - The name of a (omview) profile to load for this command execution.
- `--caview-profile` | `--caview-p` (*string*)
  - The name of a (caview) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## zowe › ops

---

Interact with OPS/MVS® for automation administration and resource management.

## zowe › ops › create

---

Create a generic AOF event for API rules processing.

### zowe › ops › create › event

Create a generic AOF event for API rules processing

#### Usage

```
zowe ops create event <eventCode> <eventText> [options]
```

#### Positional Arguments

- `eventCode` (*string*)
  - The event code that is passed, upper-cased, to API rules in the AOF variable API.ID. This code can be up to 10 characters long.
- `eventText` (*string*)
  - The event text that is passed, unaltered, to API rules in the AOF variable API.TEXT. This text can be up to 255 characters long.

#### OPS/MVS Web Services / REST API connection options

- `--user` (*string*)
  - Your z/OS user name that is used to authenticate to OPS/MVS Web Services / REST API.
- `--password` | `--pass` (*string*)
  - Your z/OS password that is used to authenticate to OPS/MVS Web Services / REST API.
- `--host` (*string*)
  - The hostname of the server where OPS/MVS Web Services / REST API is running.
- `--port` | `-p` (*number*)

- The port number for OPS/MVS Web Services / REST API.

- `--reject-unauthorized` | `--ru` (*boolean*)

- If set to true, the server certificate is verified against the list of supplied CAs. If set to false, certificate verification is not performed.

Default value: true

- `--protocol` | `--prot` (*string*)

- The protocol that is used for connecting to OPS/MVS Web Services / REST API.

Default value: https

Allowed values: http, https

- `--subsystem` | `--subs` (*string*)

- Specifies the subsystem ID of the OPS/MVS instance to which commands will be directed. This parameter is ignored with the 'show status' and 'show subsystem' commands.

Default value: OPSS

- `--rest-api` | `--ra` (*boolean*)

- If set to true, the plug-in executes the command against the OPS/MVS REST API. If set to false, the plug-in executes against the OPS/MVS Web Services.

Default value: false

- `--base-path` | `--bp` (*string*)

- NOTE: This can only be used with the REST API server. The base path for your Zowe API Mediation Layer instance. Specify this option to prepend the base path to all resources when making REST requests. Only specify this option if you are using an Zowe API Mediation Layer.

## Profile Options

- `--ops-profile` | `--ops-p` (*string*)

- The name of a (ops) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)

- The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Create a generic AOF event, "EVENTCODE" for API rules processing on the "OPSS" subsystem:
  - `zowe ops create event "EVENTCODE" "eventtext" --subsystem "OPSS"`

## zowe › ops › disable

---

Disable an Automated Operations Facility rule.

### zowe › ops › disable › rule

Disable the specified rule.

## Usage

```
zowe ops disable rule <ruleset> <rule> [options]
```

## Positional Arguments

- `ruleset` (*string*)
  - The ruleset containing the rule.
- `rule` (*string*)
  - The name of the rule.

## Options

- `--format` | `-f` (*string*)
  - Format of the displayed output.  
  
Default value: namevalue  
Allowed values: namevalue, namevaluecolor, csv, json

## OPS/MVS Web Services / REST API connection options

- `--user` (*string*)
  - Your z/OS user name that is used to authenticate to OPS/MVS Web Services / REST API.
- `--password` | `--pass` (*string*)
  - Your z/OS password that is used to authenticate to OPS/MVS Web Services / REST API.
- `--host` (*string*)
  - The hostname of the server where OPS/MVS Web Services / REST API is running.
- `--port` | `-p` (*number*)
  - The port number for OPS/MVS Web Services / REST API.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - If set to true, the server certificate is verified against the list of supplied CAs. If set to false, certificate verification is not performed.  
  
Default value: true
- `--protocol` | `--prot` (*string*)
  - The protocol that is used for connecting to OPS/MVS Web Services / REST API.

Default value: https

Allowed values: http, https

- `--subsystem` | `--subs` (*string*)
  - Specifies the subsystem ID of the OPS/MVS instance to which commands will be directed. This parameter is ignored with the 'show status' and 'show subsystem' commands.

Default value: OPSS

- `--rest-api` | `--ra` (*boolean*)
  - If set to true, the plug-in executes the command against the OPS/MVS REST API. If set to false, the plug-in executes against the OPS/MVS Web Services.

Default value: false

- `--base-path` | `--bp` (*string*)
  - NOTE: This can only be used with the REST API server. The base path for your Zowe API Mediation Layer instance. Specify this option to prepend the base path to all resources when making REST requests. Only specify this option if you are using an Zowe API Mediation Layer.

## Profile Options

- `--ops-profile` | `--ops-p` (*string*)
  - The name of a (ops) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Disable the rule "MYRULE" in the ruleset "OPSRULES" for the "OPSS" subsystem.:
  - `zowe ops disable rule "OPSRULES" "MYRULE" --subsystem "OPSS"`

## zowe › ops › enable

---

Enable an Automated Operations Facility rule.

### zowe › ops › enable › rule

Enable the specified rule.

## Usage

```
zowe ops enable rule <ruleset> <rule> [options]
```

## Positional Arguments

- `ruleset` (*string*)
  - The ruleset containing the rule.
- `rule` (*string*)
  - The name of the rule.

## OPSMVS Web Services / REST API connection options

- `--user` (*string*)
  - Your z/OS user name that is used to authenticate to OPS/MVS Web Services / REST API.

- `--password` | `--pass` (*string*)
  - Your z/OS password that is used to authenticate to OPS/MVS Web Services / REST API.
- `--host` (*string*)
  - The hostname of the server where OPS/MVS Web Services / REST API is running.
- `--port` | `-p` (*number*)
  - The port number for OPS/MVS Web Services / REST API.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - If set to true, the server certificate is verified against the list of supplied CAs. If set to false, certificate verification is not performed.  
  
Default value: true
- `--protocol` | `--prot` (*string*)
  - The protocol that is used for connecting to OPS/MVS Web Services / REST API.  
  
Default value: https  
Allowed values: http, https
- `--subsystem` | `--subs` (*string*)
  - Specifies the subsystem ID of the OPS/MVS instance to which commands will be directed. This parameter is ignored with the 'show status' and 'show subsystem' commands.  
  
Default value: OPSS
- `--rest-api` | `--ra` (*boolean*)
  - If set to true, the plug-in executes the command against the OPS/MVS REST API. If set to false, the plug-in executes against the OPS/MVS Web Services.  
  
Default value: false
- `--base-path` | `--bp` (*string*)
  - NOTE: This can only be used with the REST API server. The base path for your Zowe API Mediation Layer instance. Specify this option to prepend the base path to all resources when making REST requests. Only specify this option if you are using an Zowe API Mediation Layer.

## Profile Options

- `--ops-profile` | `--ops-p` (*string*)
  - The name of a (ops) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Enable the rule "MYRULE" in the ruleset "OPSRULES" for the "OPSS" subsystem.:
  - `zowe ops enable rule "OPSRULES" "MYRULE" --subsystem "OPSS"`

## [zowe](#) › [ops](#) › [execute](#)

---

Execute an OPS/MVS REXX program or an operator command.

## [zowe](#) › [ops](#) › [execute](#) › [command](#)

Execute the specified operator command.

## Usage

zowe ops execute command <command> [options]

## Positional Arguments

- `command` (*string*)
  - The text of the operator command to be issued. The length of this string cannot exceed 240 characters.

## Options

- `--bmpCmdOut` | `--bco` (*string*)
  - If the specified command is an IMS command, this parameter controls the echoing of the command output. This keyword only applies if you are using an IMS Operations Facility (IOF) Batch Message Processing (BMP) program for issuing IMS commands. Valid values are: OPSLOG, WTO, and NONE. A value of 'OPSLOG' echoes all output that is associated with the current IMS command back to OPSLOG as trace messages. This results in a small amount of additional overhead to the command, assuming that the number of lines of output is not large. No output is sent back to any z/OS console or to the subsystem interface. A value of 'WTO' echoes all output that is associated with the current IMS command as Write To Operator messages to the z/OS console. Using this option can add a significant amount of overhead to IMS command processing and has the potential of flooding the consoles with command output messages. A value of 'NONE' sends IMS commands to the BMP and returns the responses to the issuing program (if so requested). This recommended approach results in the lowest amount of overhead. The use of this parameter does not affect how the IMS command output is returned to the command issuer. The default value for this parameter is 'NONE'.
- `--capture` | `--cp` (*string*)
  - This parameter captures command responses that are not internally routed back to the OPS/MVS console that issued the command. If this parameter is specified, command response messages are captured based on text segments matching the first characters (starting with column 1) of the messages. These captured response messages are in addition to the usual command response messages that are captured based on other specified parameters. You can specify up to 10 message text segments with this parameter, and each text segment can have up to 124 characters.
- `--cart` | `--ct` (*string*)

- This parameter specifies a z/OS command and response token (CART). This token can be represented as either a one- to eight-character string such as MYCMDTOK, or as a one- to eight-byte hexadecimal value such as X'D6D7E2E205162738'. Messages issued in response to this command are issued using the same CART. If this parameter is not specified, OPS/MVS will generate a unique CART token and use this generated token to determine which response messages should be returned to the caller.
- `--cmdEcho` | `--ce` (*string*)
  - This parameter determines whether the issued command is echoed as the first line of the command response. You can specify either YES, which is the default, or NO. This parameter is ignored when the cmdLog parameter is set to NO.
- `--cmdLog` | `--cl` (*string*)
  - This parameter determines whether the issued command is echoed in both SYSLOG and the command response, or neither. You can specify either YES, which is the default, or NO. The NO setting overrides the setting of the cmdEcho parameter.
- `--cmdWait` | `--cw` (*string*)
  - This parameter specifies, in seconds, how long to wait for command output collection to complete. The number of lines that are collected are analyzed every few hundredths of a second, based on the value specified with the interval parameter. If no new output lines are forthcoming after at least two output lines have been received, the wait for more response characters is terminated before this cmdWait period expires. You can specify a value for this parameter from 1 through 600 seconds. If you specify a value of YES for the stopEnd parameter, the end line of a multi-line WTO message also stops response collection. The main difference between the cmdWait and wait parameters is that the wait parameter specifies an unconditional wait period, while the cmdWait parameter specifies a conditional wait based on a continuous, timely collection of response lines. The default value for this parameter is the value of the OCWAIT global OPS/MVS parameter. When used in IMS Type 2 message syntax, the cmdWait and wait parameters are identical and specify the maximum wait time in seconds for message completion. IBM documentation on IMSPLEX usage implies that the delay in gathering results from multiple IMS systems can be considerable and should be considered normal. The default if omitted is 120, or 2 minutes. This cmdWait parameter is mutually exclusive with the wait parameter.
- `--conName` | `--cn` (*string*)
  - This parameter defines the name of the console to receive the issued command. The console name that you provide can contain as many as eight characters. You can retrieve command output when the specified console is allocated to OPS/MVS. If the

console is not allocated or does not exist, this request will return an error code of 190. This conName parameter is mutually exclusive with the conType parameter.

- `--conType` | `--cnt` (*string*)
  - This parameter specifies the appropriate type of console that should be used for the command that you are issuing. The default value for this parameter is the current value of the OCCONTYPE global OPS/MVS parameter. Valid values are: ANY, EXTCONS, SSSCONS, or XTRACONS. A value of 'ANY' tells OPS/MVS to select the first available console to issue the command. In this case, OPS/MVS selects consoles in the following order: Subsystem consoles, followed by XTRACONS consoles, and finally Extended consoles. A value of 'EXTCONS' tells OPS/MVS to select the first available extended console. Extended consoles are controlled by the EXTENDEDCONSOLES global OPS/MVS parameter. A value of 'SSCONS' tells OPS/MVS to select the first available subsystem console. Subsystem consoles are controlled by the SUBSYSDEFAULT global OPS/MVS parameter. A value of 'XTRACONS' tells OPS/MVS to select the first available extra extended console. Extra extended consoles are controlled by the EXTRAEXTCONSOLES global OPS/MVS parameter. This conType parameter is mutually exclusive with the conName parameter.
- `--imsId` | `--id` (*string*)
  - If you use the IMS Operations Facility (IOF) at your site, you can use the /opscmd endpoint to issue IMS commands. If you are running only one copy of IMS on the system where the current instance of the OPS/MVS REST API is running, you can omit the imsid parameter. However, if several copies of IMS (such as a production version and a test version) reside on the system, use this parameter to specify the IMS control region that should receive the command. IMS IDs can contain from one to four characters. IBM ships IMS with a default IMS ID of IMSA. If you do not know the IMS ID of the IMS you want OPS/MVS to control, ask your systems management department. When used in IMS Type 2 message syntax, the command is issued to the IMSPLEX manager, and distributed from there. The imsid parameter is used to establish the eligibility of participating IMS systems to receive the command. If the imsid parameter is omitted, the first IMS system capable of responding receives the command. If the value of the imsid parameter is specified as a wildcard \*, all participating IMS systems receive the command. The value of the imsid parameter can also be specified as a list, separated by spaces or commas, of specific IMS system names to receive the command. The wildcard \* should not be used with the imsid parameter unless the imsPlex parameter is specified with an explicit name.
- `--imsPlex` | `--ip` (*string*)

- If you use the IMS Operations Facility (IOF) at your site, you can use the /opscmd endpoint to issue IMS commands. If you are running only one copy of IMS on the system where the current instance of the OPS/MVS REST API is running, you can omit the imslId parameter. However, if several copies of IMS (such as a production version and a test version) reside on the system, use this parameter to specify the IMS control region that should receive the command. IMS IDs can contain from one to four characters. IBM ships IMS with a default IMS ID of IMSA. If you do not know the IMS ID of the IMS you want OPS/MVS to control, ask your systems management department. When used in IMS Type 2 message syntax, the command is issued to the IMSPLEX manager, and distributed from there. The imslId parameter is used to establish the eligibility of participating IMS systems to receive the command. If the imslId parameter is omitted, the first IMS system capable of responding receives the command. If the value of the imslId parameter is specified as a wildcard \*, all participating IMS systems receive the command. The value of the imslId parameter can also be specified as a list, separated by spaces or commas, of specific IMS system names to receive the command. The wildcard \* should not be used with the imslId parameter unless the imSPlex parameter is specified with an explicit name.
- `--imsReply` | `--ir` (*string*)
  - The presence of this imSPlex parameter implies you are issuing an IMS command using the IMS Type 2 message syntax. This value can be specified as a specific IMSPLEX name, in which case the imslId parameter controls the selection of participating IMS systems. The imSPlex parameter can also be specified as a wildcard \*, meaning the imslId determines the IMSPLEX name. In this case, the imslId parameter cannot be specified as a wildcard \*, but must contain a valid IMS system name. The imslId parameter, or the first of a list, will be used to locate the name of its associated IMSPLEX.
- `--interval` | `--int` (*string*)
  - This parameter specifies, in centiseconds, how frequently to test for command response lines to see if the response has ended. This interval parameter temporarily overrides the value of the OCINTERVAL global OPS/MVS parameter. The default for this interval parameter is the value of the OCINTERVAL global OPS/MVS parameter, but you can specify any number from 10 through 300, or a value of 0 to bypass interval testing.
- `--localOnly` | `--loc` (*string*)
  - When 'YES' is specified for this parameter, only messages from the local system are considered as potential command response candidates. This parameter should be used in conjunction with the capture and stopMsg parameters to prevent output from other

systems possibly being returned as command output. You can specify either NO, which is the default, or YES.

- `--log` | `--lg` (*string*)
  - This parameter determines whether response lines from the issued command go into the SYSLOG and/or OPSLOG data sets. Valid options are: YES, NO, OFF, and NOWHERE. A value of 'YES' means command responses and command echo will be logged in both SYSLOG and OPSLOG. A value of 'NO' means SYSLOG will only contain the command echo, not the command responses, and OPSLOG will contain both the command echo and the command responses. A value of 'OFF' means the command echo and command responses will not be logged to SYSLOG. OPSLOG will contain the command responses, but not the command echo. A value of 'NOWHERE' means the command echo and command responses will not be logged to either the SYSLOG or the OPSLOG. Note that the logging of command response lines is also influenced by MIC and AOF rule processing. The default value for this parameter is 'YES'.
- `--maxCmdOut` | `--mco` (*string*)
  - This parameter defines how many command output lines to collect before terminating the command response. If the command output contains more lines than this maxCmdOut value, no more command output lines are collected. You can specify any value from 1 through 32767 for this parameter. The default value for this parameter is the value of the OCMAXMSG global OPS/MVS parameter.
- `--output` | `--out` (*string*)
  - This parameter determines whether you receive output from the issued command. You can specify either YES, which is the default, or NO. The NO setting is mutually exclusive with the wait parameter.
- `--stopEnd` | `--se` (*string*)
  - This parameter determines whether the end line of a multiline WTO message stops the collection of command output. Valid options are: YES, and NO. A value of 'YES' will cause the command response to terminate at the first end line of a multiline WTO message or at the time that is specified through the cmdWait parameter or the OCWAIT global OPS/MVS parameter. A value of 'NO' will cause the command output to continue collecting until either: the time interval that is specified by the cmdWait parameter or the OCWAIT global parameter expires; or no new command output lines are collected in the time interval that is specified by the interval parameter. The default value for this parameter is 'YES'.

- `--stopMsg` | `--sm` (*string*)
  - This parameter specifies a list of one to ten message text segments matching the first characters (starting with column 1) of the messages that terminate the collection of command response lines. When any of these text segments are detected, the collection of response lines stops. The message segment or segments you specify need not be directed to the console receiving the command response. Each item in the list of message text segments you specify can contain no more than 124 characters. All message text segments that are specified on this parameter will match both uppercase and lowercase text in potential matching messages (case-insensitive). This parameter does not work with IMS Type 2 commands. The `stopMsg` and `stopResp` parameters are mutually exclusive.
- `--stopResp` | `--sr` (*string*)
  - This parameter specifies a list of one to ten message text segments matching the first characters (starting with column 1) of the messages that terminate the collection of command response lines. The message segments that you specify must be directed to the console receiving the command response, and each item in the segment list can contain no more than 124 characters. You can use this `stopResp` parameter to terminate the collection of a long command response once the desired response line is found. All message text segments that are specified on this keyword will match both uppercase and lowercase text in potential matching messages (case-insensitive). The `stopResp` and `stopMsg` parameters are mutually exclusive.
- `--wait` | `-w` (*number*)
  - This parameter specifies a period of time (in seconds) to unconditionally wait to receive output from the issued command. Control is not returned to the caller until the full wait period elapses. In most cases, a conditional wait using the `cmdWait` parameter in conjunction with the `interval` and various `stopXxxx` parameters can be used to effectively collect command responses, thus eliminating the need for an unconditional wait. When used in IMS Type 2 message syntax, the `wait` parameter is identical to the `cmdWait` parameter. This `wait` parameter is mutually exclusive with the `cmdWait` parameter. If the `output` parameter is set to `NO`, you can not use this parameter (mutually exclusive).
- `--format` | `-f` (*string*)
  - Format of the displayed output.  
  
Default value: `namevalue`  
Allowed values: `namevalue`, `namevaluecolor`, `csv`, `json`

## OPSMVS Web Services / REST API connection options

- `--user` (*string*)
  - Your z/OS user name that is used to authenticate to OPS/MVS Web Services / REST API.
- `--password` | `--pass` (*string*)
  - Your z/OS password that is used to authenticate to OPS/MVS Web Services / REST API.
- `--host` (*string*)
  - The hostname of the server where OPS/MVS Web Services / REST API is running.
- `--port` | `-p` (*number*)
  - The port number for OPS/MVS Web Services / REST API.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - If set to true, the server certificate is verified against the list of supplied CAs. If set to false, certificate verification is not performed.  
  
Default value: true
- `--protocol` | `--prot` (*string*)
  - The protocol that is used for connecting to OPS/MVS Web Services / REST API.  
  
Default value: https  
Allowed values: http, https
- `--subsystem` | `--subs` (*string*)
  - Specifies the subsystem ID of the OPS/MVS instance to which commands will be directed. This parameter is ignored with the 'show status' and 'show subsystem' commands.  
  
Default value: OPSS
- `--rest-api` | `--ra` (*boolean*)
  - If set to true, the plug-in executes the command against the OPS/MVS REST API. If set to false, the plug-in executes against the OPS/MVS Web Services.  
  
Default value: false

- `--base-path` | `--bp` (*string*)
  - NOTE: This can only be used with the REST API server. The base path for your Zowe API Mediation Layer instance. Specify this option to prepend the base path to all resources when making REST requests. Only specify this option if you are using an Zowe API Mediation Layer.

## Profile Options

- `--ops-profile` | `--ops-p` (*string*)
  - The name of a (ops) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Execute the operator command, "D A,L" on the "OPSS" subsystem.:
  - `zowe ops execute command "D A,L" --subsystem "OPSS"`

Execute the specified OPS/MVS REXX program.

## Usage

```
zowe ops execute rexx <program> [options]
```

## Positional Arguments

- `program` (*string*)
  - The name of the OPS/REXX source program. When enclosed in single quotes, the program name can be either a fully qualified data set name (sequential or PDS including member) or a member of a precompiled REXX data set. When not enclosed in quotes, the program name is expanded as follows: If it is in the format MYLIB, it is expanded to {USER\_PREFIX}.MYLIB.REXX, where {USER\_PREFIX} represents your default TSO prefix. If it is in the format MYLIB(MEMBER), it is expanded to {USER\_PREFIX}.MYLIB.REXX(MEMBER). If it is in the format (MEMBER), it is expanded to {USER\_PREFIX}.REXX(MEMBER).

## Options

- `--argument` | `--arg` (*string*)
  - Specifies any characters to be passed to the OPS/REXX program. Leading blanks are stripped from the argument. Any embedded quotes will be passed on to the called OPS/REXX program unaltered and unfiltered. The length of the string cannot exceed 256 characters.
- `--maxQueue` | `--mq` (*string*)
  - The maximum number of output lines that this OPS/REXX program can have in its external data queue.
- `--workspace` | `--ws` (*string*)
  - Defines the size of the OPS/REXX program workspace, in bytes. The workspace size limits the maximum number of nested calls, symbols, and values that can be used during program execution. If your program has a large memory requirement, use this size value to specify a workspace that is larger than the default of 1.5 MB.
- `--timeout` | `--to` (*string*)
  - The amount of elapsed time (in minutes) the OPS/REXX program is allowed to execute. If this parameter is not specified, the default value specified in the application.yml (configuration file for the REST API server) parameter 'opsmvs.rexxExecRunTimeout' will

be used. If the value specified for this parameter is zero, then no timeout limit is imposed on the OPS/REXX program.

- `--outputLimit` | `--ol` (*string*)
  - The maximum number of output lines the OPS/REXX program is allowed to generate before the OPS/REXX program is canceled. If this parameter is not specified, the default value specified in the application.yml (configuration file for the REST API server) parameter 'opsmvs.rexxExecOutputLimit' will be used. If the value for this parameter is zero, then no output limit is imposed on the OPS/REXX program.
- `--wait` | `-w` (*number*)
  - Wait for the specified number of seconds for the OPS/MVS REXX program to end and the output to be returned. By default the command returns immediately after initiating the program's execution.

Default value: 10

- `--format` | `-f` (*string*)
  - Format of the displayed output.

Default value: namevalue  
Allowed values: namevalue, namevaluecolor, csv, json

## OPS/MVS Web Services / REST API connection options

- `--user` (*string*)
  - Your z/OS user name that is used to authenticate to OPS/MVS Web Services / REST API.
- `--password` | `--pass` (*string*)
  - Your z/OS password that is used to authenticate to OPS/MVS Web Services / REST API.
- `--host` (*string*)
  - The hostname of the server where OPS/MVS Web Services / REST API is running.
- `--port` | `-p` (*number*)
  - The port number for OPS/MVS Web Services / REST API.
- `--reject-unauthorized` | `--ru` (*boolean*)

- If set to true, the server certificate is verified against the list of supplied CAs. If set to false, certificate verification is not performed.

Default value: true

- `--protocol` | `--prot` (*string*)

- The protocol that is used for connecting to OPS/MVS Web Services / REST API.

Default value: https

Allowed values: http, https

- `--subsystem` | `--subs` (*string*)

- Specifies the subsystem ID of the OPS/MVS instance to which commands will be directed. This parameter is ignored with the 'show status' and 'show subsystem' commands.

Default value: OPSS

- `--rest-api` | `--ra` (*boolean*)

- If set to true, the plug-in executes the command against the OPS/MVS REST API. If set to false, the plug-in executes against the OPS/MVS Web Services.

Default value: false

- `--base-path` | `--bp` (*string*)

- NOTE: This can only be used with the REST API server. The base path for your Zowe API Mediation Layer instance. Specify this option to prepend the base path to all resources when making REST requests. Only specify this option if you are using an Zowe API Mediation Layer.

## Profile Options

- `--ops-profile` | `--ops-p` (*string*)

- The name of a (ops) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)

- The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Execute the REXX program "PROGRAM" in the dataset "OPS.REXX" on the "OPSS" subsystem.:
  - `zowe ops execute rexx "OPS.REXX(PROGRAM)" --subsystem "OPSS"`
- Execute the REXX program "PROGRAM" in the dataset "{USER\_PREFIX}.REXX" on the "OPSS" subsystem.:
  - `zowe ops execute rexx "(PROGRAM)" --subsystem "OPSS"`

## [zowe](#) › [ops](#) › [show](#)

---

Display data associated with OPS/MVS automation elements, such as AOF rules and rulesets, and SSM resources, OPS log names, subsystems and RDF tables, or REST API server status.

## [zowe](#) › [ops](#) › [show](#) › [logname](#)

Display a list of the OPSLOG lognames that are defined to the specified subsystem. The list also identifies the live OPSLOG. This command is only available when connected to the OPS/MVS REST API server.

## Usage

zowe ops show logname [options]

## Options

- `--format` | `-f` (*string*)
  - Format of the displayed output.  
  
Default value: namevalue  
Allowed values: namevalue, namevaluecolor, csv, json

## OPS/MVS Web Services / REST API connection options

- `--user` (*string*)
  - Your z/OS user name that is used to authenticate to OPS/MVS Web Services / REST API.
- `--password` | `--pass` (*string*)
  - Your z/OS password that is used to authenticate to OPS/MVS Web Services / REST API.
- `--host` (*string*)
  - The hostname of the server where OPS/MVS Web Services / REST API is running.
- `--port` | `-p` (*number*)
  - The port number for OPS/MVS Web Services / REST API.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - If set to true, the server certificate is verified against the list of supplied CAs. If set to false, certificate verification is not performed.  
  
Default value: true
- `--protocol` | `--prot` (*string*)
  - The protocol that is used for connecting to OPS/MVS Web Services / REST API.  
  
Default value: https  
Allowed values: http, https
- `--subsystem` | `--subs` (*string*)

- Specifies the subsystem ID of the OPS/MVS instance to which commands will be directed. This parameter is ignored with the 'show status' and 'show subsystem' commands.

Default value: OPSS

- `--rest-api` | `--ra` (*boolean*)

- If set to true, the plug-in executes the command against the OPS/MVS REST API. If set to false, the plug-in executes against the OPS/MVS Web Services.

Default value: false

- `--base-path` | `--bp` (*string*)

- NOTE: This can only be used with the REST API server. The base path for your Zowe API Mediation Layer instance. Specify this option to prepend the base path to all resources when making REST requests. Only specify this option if you are using an Zowe API Mediation Layer.

## Profile Options

- `--ops-profile` | `--ops-p` (*string*)

- The name of a (ops) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)

- The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)

- The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

- `--token-value` | `--tv` (*string*)

- The value of the token to pass to the API.

- `--cert-file` (*local file path*)

- The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Show the data for the logs defined for the "OPSS" subsystem:
  - `zowe ops show logname --subsystem "OPSS"`

## [zowe](#) › [ops](#) › [show](#) › [resource](#)

Display data associated with the specified SSM resource. Currently, only the current and desired states of the resource are displayed.

## Usage

```
zowe ops show resource <resourcename> [options]
```

## Positional Arguments

- `resourcename` (*string*)
  - The name of the resource.

## Options

- `--tablename` | `--table` (*string*)
  - The name of the table that contains the resource. If not specified, the command searches all SSM tables and displays each instance of the resource that is found.
- `--format` | `-f` (*string*)
  - Format of the displayed output.

Default value: namevalue

Allowed values: namevalue, namevaluecolor, csv, json

## OPS/MVS Web Services / REST API connection options

- `--user` (*string*)

- Your z/OS user name that is used to authenticate to OPS/MVS Web Services / REST API.
- `--password` | `--pass` (*string*)
  - Your z/OS password that is used to authenticate to OPS/MVS Web Services / REST API.
- `--host` (*string*)
  - The hostname of the server where OPS/MVS Web Services / REST API is running.
- `--port` | `-p` (*number*)
  - The port number for OPS/MVS Web Services / REST API.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - If set to true, the server certificate is verified against the list of supplied CAs. If set to false, certificate verification is not performed.  
  
Default value: true
- `--protocol` | `--prot` (*string*)
  - The protocol that is used for connecting to OPS/MVS Web Services / REST API.  
  
Default value: https  
Allowed values: http, https
- `--subsystem` | `--subs` (*string*)
  - Specifies the subsystem ID of the OPS/MVS instance to which commands will be directed. This parameter is ignored with the 'show status' and 'show subsystem' commands.  
  
Default value: OPSS
- `--rest-api` | `--ra` (*boolean*)
  - If set to true, the plug-in executes the command against the OPS/MVS REST API. If set to false, the plug-in executes against the OPS/MVS Web Services.  
  
Default value: false
- `--base-path` | `--bp` (*string*)

- NOTE: This can only be used with the REST API server. The base path for your Zowe API Mediation Layer instance. Specify this option to prepend the base path to all resources when making REST requests. Only specify this option if you are using an Zowe API Mediation Layer.

## Profile Options

- `--ops-profile` | `--ops-p` (*string*)
  - The name of a (ops) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Show the current and desired state of the resource "RESOURCE1" in the table "MYTABLE" for the "OPSS" subsystem:
  - `zowe ops show resource "RESOURCE1" --table "MYTABLE" --subsystem "OPSS"`
- Show the current and desired state of all resources in the table "MYTABLE" for the "OPSS" subsystem. This command is only available when connected to the OPS/MVS REST API

server:

- `zowe ops show resource * --table "MYTABLE" --subsystem "OPSS"`
- Show the current and desired state of all resources in all tables for the "OPSS" subsystem. This command is only available when connected to the OPS/MVS REST API server:
  - `zowe ops show resource * --subsystem "OPSS"`

## [zowe](#) › [ops](#) › [show](#) › [rule](#)

Display data associated with the specified rule.

### Usage

```
zowe ops show rule <ruleset> <rule> [options]
```

### Positional Arguments

- `ruleset` (*string*)
  - The ruleset containing the rule.
- `rule` (*string*)
  - The name of the rule.

### Options

- `--format` | `-f` (*string*)
  - Format of the displayed output.  
  
Default value: namevalue  
Allowed values: namevalue, namevaluecolor, csv, json

### OPS/MVS Web Services / REST API connection options

- `--user` (*string*)
  - Your z/OS user name that is used to authenticate to OPS/MVS Web Services / REST API.
- `--password` | `--pass` (*string*)
  - Your z/OS password that is used to authenticate to OPS/MVS Web Services / REST API.

- `--host` (*string*)
  - The hostname of the server where OPS/MVS Web Services / REST API is running.
- `--port` | `-p` (*number*)
  - The port number for OPS/MVS Web Services / REST API.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - If set to true, the server certificate is verified against the list of supplied CAs. If set to false, certificate verification is not performed.  
  
Default value: true
- `--protocol` | `--prot` (*string*)
  - The protocol that is used for connecting to OPS/MVS Web Services / REST API.  
  
Default value: https  
Allowed values: http, https
- `--subsystem` | `--subs` (*string*)
  - Specifies the subsystem ID of the OPS/MVS instance to which commands will be directed. This parameter is ignored with the 'show status' and 'show subsystem' commands.  
  
Default value: OPSS
- `--rest-api` | `--ra` (*boolean*)
  - If set to true, the plug-in executes the command against the OPS/MVS REST API. If set to false, the plug-in executes against the OPS/MVS Web Services.  
  
Default value: false
- `--base-path` | `--bp` (*string*)
  - NOTE: This can only be used with the REST API server. The base path for your Zowe API Mediation Layer instance. Specify this option to prepend the base path to all resources when making REST requests. Only specify this option if you are using an Zowe API Mediation Layer.

## Profile Options

- `--ops-profile` | `--ops-p` (*string*)
  - The name of a (ops) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.
 

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Show the data in csv format of the rule "MYRULE" in the ruleset "OPSRULES" for the "OPSS" subsystem:
  - `zowe ops show rule "OPSRULES" "MYRULE" --subsystem "OPSS" -f csv`
- Show the data of all rules in ruleset "OPSRULES" for the "OPSS" subsystem. This command is only available when connected to the OPS/MVS REST API server:
  - `zowe ops show rule "OPSRULES" "*" --subsystem "OPSS"`
- Show the data of all rules in all rulesets for the "OPSS" subsystem. This command is only available when connected to the OPS/MVS REST API server:
  - `zowe ops show rule "*" "*" --subsystem "OPSS"`

## zowe › ops › show › ruleset

Display data associated with one or all rulesets for a specified subsystem. This command is only available when connected to the OPS/MVS REST API server.

### Usage

```
zowe ops show ruleset [options]
```

### Options

- `--ruleset` (*string*)
  - The ruleset to display.
- `--format` | `-f` (*string*)
  - Format of the displayed output.  
  
Default value: namevalue  
Allowed values: namevalue, namevaluecolor, csv, json

### OPS/MVS Web Services / REST API connection options

- `--user` (*string*)
  - Your z/OS user name that is used to authenticate to OPS/MVS Web Services / REST API.
- `--password` | `--pass` (*string*)
  - Your z/OS password that is used to authenticate to OPS/MVS Web Services / REST API.
- `--host` (*string*)
  - The hostname of the server where OPS/MVS Web Services / REST API is running.
- `--port` | `-p` (*number*)
  - The port number for OPS/MVS Web Services / REST API.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - If set to true, the server certificate is verified against the list of supplied CAs. If set to false, certificate verification is not performed.  
  
Default value: true

- `--protocol` | `--prot` (*string*)
  - The protocol that is used for connecting to OPS/MVS Web Services / REST API.

Default value: https  
Allowed values: http, https
- `--subsystem` | `--subs` (*string*)
  - Specifies the subsystem ID of the OPS/MVS instance to which commands will be directed. This parameter is ignored with the 'show status' and 'show subsystem' commands.

Default value: OPSS
- `--rest-api` | `--ra` (*boolean*)
  - If set to true, the plug-in executes the command against the OPS/MVS REST API. If set to false, the plug-in executes against the OPS/MVS Web Services.

Default value: false
- `--base-path` | `--bp` (*string*)
  - NOTE: This can only be used with the REST API server. The base path for your Zowe API Mediation Layer instance. Specify this option to prepend the base path to all resources when making REST requests. Only specify this option if you are using an Zowe API Mediation Layer.

## Profile Options

- `--ops-profile` | `--ops-p` (*string*)
  - The name of a (ops) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Show the data for the rulesets defined for the "OPSS" subsystem:
  - `zowe ops show ruleset --subsystem "OPSS"`
- Show the data for ruleset "CICS" for the default OPS/MVS subsystem:
  - `zowe ops show ruleset --ruleset "CICS"`
- Show the data for ruleset IMS for the "OPSS" subsystem:
  - `zowe ops show ruleset --ruleset "IMS" --subsystem "OPSS"`

## [zowe](#) › [ops](#) › [show](#) › [status](#)

Display data associated with an OPS/MVS REST API server. This command is only available when connected to the OPS/MVS REST API server.

## Usage

```
zowe ops show status [options]
```

## Options

- `--format` | `-f` (*string*)
  - Format of the displayed output.

Default value: namevalue  
 Allowed values: namevalue, namevaluecolor, csv, json

## OPSS/MVS Web Services / REST API connection options

- `--user` (*string*)
  - Your z/OS user name that is used to authenticate to OPSS/MVS Web Services / REST API.
- `--password` | `--pass` (*string*)
  - Your z/OS password that is used to authenticate to OPSS/MVS Web Services / REST API.
- `--host` (*string*)
  - The hostname of the server where OPSS/MVS Web Services / REST API is running.
- `--port` | `-p` (*number*)
  - The port number for OPSS/MVS Web Services / REST API.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - If set to true, the server certificate is verified against the list of supplied CAs. If set to false, certificate verification is not performed.  
  
Default value: true
- `--protocol` | `--prot` (*string*)
  - The protocol that is used for connecting to OPSS/MVS Web Services / REST API.  
  
Default value: https  
Allowed values: http, https
- `--subsystem` | `--subs` (*string*)
  - Specifies the subsystem ID of the OPSS/MVS instance to which commands will be directed. This parameter is ignored with the 'show status' and 'show subsystem' commands.  
  
Default value: OPSS
- `--rest-api` | `--ra` (*boolean*)
  - If set to true, the plug-in executes the command against the OPSS/MVS REST API. If set to false, the plug-in executes against the OPSS/MVS Web Services.  
  
Default value: false

- `--base-path` | `--bp` (*string*)
  - NOTE: This can only be used with the REST API server. The base path for your Zowe API Mediation Layer instance. Specify this option to prepend the base path to all resources when making REST requests. Only specify this option if you are using an Zowe API Mediation Layer.

## Profile Options

- `--ops-profile` | `--ops-p` (*string*)
  - The name of a (ops) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Show the data for REST API in "CSV" format:
  - `zowe ops show status --format "csv"`

Display a list of the OPS/MVS subsystems that are running on the host z/OS LPAR. This command is only available when connected to the OPS/MVS REST API server.

## Usage

zowe ops show subsystem [options]

## Options

- `--format` | `-f` (*string*)

- Format of the displayed output.

Default value: namevalue

Allowed values: namevalue, namevaluecolor, csv, json

## OPS/MVS Web Services / REST API connection options

- `--user` (*string*)

- Your z/OS user name that is used to authenticate to OPS/MVS Web Services / REST API.

- `--password` | `--pass` (*string*)

- Your z/OS password that is used to authenticate to OPS/MVS Web Services / REST API.

- `--host` (*string*)

- The hostname of the server where OPS/MVS Web Services / REST API is running.

- `--port` | `-p` (*number*)

- The port number for OPS/MVS Web Services / REST API.

- `--reject-unauthorized` | `--ru` (*boolean*)

- If set to true, the server certificate is verified against the list of supplied CAs. If set to false, certificate verification is not performed.

Default value: true

- `--protocol` | `--prot` (*string*)

- The protocol that is used for connecting to OPS/MVS Web Services / REST API.

Default value: https

Allowed values: http, https

- `--subsystem` | `--subs` (*string*)
  - Specifies the subsystem ID of the OPS/MVS instance to which commands will be directed. This parameter is ignored with the 'show status' and 'show subsystem' commands.

Default value: OPSS

- `--rest-api` | `--ra` (*boolean*)
  - If set to true, the plug-in executes the command against the OPS/MVS REST API. If set to false, the plug-in executes against the OPS/MVS Web Services.

Default value: false

- `--base-path` | `--bp` (*string*)
  - NOTE: This can only be used with the REST API server. The base path for your Zowe API Mediation Layer instance. Specify this option to prepend the base path to all resources when making REST requests. Only specify this option if you are using an Zowe API Mediation Layer.

## Profile Options

- `--ops-profile` | `--ops-p` (*string*)
  - The name of a (ops) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Show the data for the OPS/MVS subsystems that are running on the host system:
  - `zowe ops show subsystem`

## [zowe](#) › [ops](#) › [show](#) › [table](#)

Display a list of the RDF tables that are defined to the specified subsystem. This command is only available when connected to the OPS/MVS REST API server.

## Usage

`zowe ops show table [options]`

## Options

- `--tablename` | `--table` (*string*)
  - The optional filter used to describe which table names will be returned. You can specify either an absolute table name or a table name containing one or more wildcard characters (\* or ?). The \* wildcard will match zero or more characters, and the ? wildcard will match any single character. If no value is specified, the value \* will be used.
- `--format` | `-f` (*string*)
  - Format of the displayed output.

Default value: namevalue

Allowed values: namevalue, namevaluecolor, csv, json

## OPS/MVS Web Services / REST API connection options

- `--user` (*string*)

- Your z/OS user name that is used to authenticate to OPS/MVS Web Services / REST API.
- `--password` | `--pass` (*string*)
  - Your z/OS password that is used to authenticate to OPS/MVS Web Services / REST API.
- `--host` (*string*)
  - The hostname of the server where OPS/MVS Web Services / REST API is running.
- `--port` | `-p` (*number*)
  - The port number for OPS/MVS Web Services / REST API.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - If set to true, the server certificate is verified against the list of supplied CAs. If set to false, certificate verification is not performed.  
  
Default value: true
- `--protocol` | `--prot` (*string*)
  - The protocol that is used for connecting to OPS/MVS Web Services / REST API.  
  
Default value: https  
Allowed values: http, https
- `--subsystem` | `--subs` (*string*)
  - Specifies the subsystem ID of the OPS/MVS instance to which commands will be directed. This parameter is ignored with the 'show status' and 'show subsystem' commands.  
  
Default value: OPSS
- `--rest-api` | `--ra` (*boolean*)
  - If set to true, the plug-in executes the command against the OPS/MVS REST API. If set to false, the plug-in executes against the OPS/MVS Web Services.  
  
Default value: false
- `--base-path` | `--bp` (*string*)

- NOTE: This can only be used with the REST API server. The base path for your Zowe API Mediation Layer instance. Specify this option to prepend the base path to all resources when making REST requests. Only specify this option if you are using an Zowe API Mediation Layer.

## Profile Options

- `--ops-profile` | `--ops-p` (*string*)
  - The name of a (ops) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Show the tables defined for the "OPSS" subsystem:
  - `zowe ops show table --subsystem "OPSS"`
- Show the tables starting with 'SSM' defined for the "OPSS" subsystem:
  - `zowe ops show table --subsystem "OPSS" --table "SSM*"`

## zowe › ops › start

---

Start a System State Manager resource.

### zowe › ops › start › resource

Start the specified resource. The desired state of the resource is set to the appropriate UP state and SSM takes action to start the resource.

#### Usage

```
zowe ops start resource <resourcename> <tablename> [options]
```

#### Positional Arguments

- `resourcename` (*string*)
  - The name of the resource.
- `tablename` (*string*)
  - The name of the table that contains the resource.

#### Options

- `--wait` | `-w` (*number*)
  - Wait for the specified number of seconds for the current state of the SSM resource to match the new desired state. If more than the specified number of seconds elapses and the current and desired states still do not match, the command fails with a timeout error.

#### OPS/MVS Web Services / REST API connection options

- `--user` (*string*)
  - Your z/OS user name that is used to authenticate to OPS/MVS Web Services / REST API.
- `--password` | `--pass` (*string*)
  - Your z/OS password that is used to authenticate to OPS/MVS Web Services / REST API.
- `--host` (*string*)
  - The hostname of the server where OPS/MVS Web Services / REST API is running.

- `--port` | `-p` (*number*)
  - The port number for OPS/MVS Web Services / REST API.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - If set to true, the server certificate is verified against the list of supplied CAs. If set to false, certificate verification is not performed.  
  
Default value: true
- `--protocol` | `--prot` (*string*)
  - The protocol that is used for connecting to OPS/MVS Web Services / REST API.  
  
Default value: https  
Allowed values: http, https
- `--subsystem` | `--subs` (*string*)
  - Specifies the subsystem ID of the OPS/MVS instance to which commands will be directed. This parameter is ignored with the 'show status' and 'show subsystem' commands.  
  
Default value: OPSS
- `--rest-api` | `--ra` (*boolean*)
  - If set to true, the plug-in executes the command against the OPS/MVS REST API. If set to false, the plug-in executes against the OPS/MVS Web Services.  
  
Default value: false
- `--base-path` | `--bp` (*string*)
  - NOTE: This can only be used with the REST API server. The base path for your Zowe API Mediation Layer instance. Specify this option to prepend the base path to all resources when making REST requests. Only specify this option if you are using an Zowe API Mediation Layer.

## Profile Options

- `--ops-profile` | `--ops-p` (*string*)
  - The name of a (ops) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Start the resource RESOURCE1 in the table "MYTABLE" for subsystem "OPSS":
  - `zowe ops start resource "RESOURCE1" "MYTABLE" --subsystem "OPSS"`
- Start the resource "RESOURCE1" in the table "MYTABLE" for the "OPSS" subsystem, and wait for up to 2 minutes for "RESOURCE1" to have a current state of UP.:
  - `zowe ops start resource "RESOURCE1" "MYTABLE" --subsystem "OPSS" -w 120`

## [zowe](#) › [ops](#) › [stop](#)

---

Stop a System State Manager resource.

## [zowe](#) › [ops](#) › [stop](#) › [resource](#)

Stop the specified resource. The desired state of the resource is set to the appropriate DOWN state and SSM takes action to stop the resource.

## Usage

zowe ops stop resource <resourcename> <tablename> [options]

## Positional Arguments

- `resourcename` (*string*)
  - The name of the resource.
- `tablename` (*string*)
  - The name of the table that contains the resource.

## Options

- `--wait` | `-w` (*number*)
  - Wait for the specified number of seconds for the current state of the SSM resource to match the new desired state. If more than the specified number of seconds elapses and the current and desired states still do not match, the command fails with a timeout error.

## OPS/MVS Web Services / REST API connection options

- `--user` (*string*)
  - Your z/OS user name that is used to authenticate to OPS/MVS Web Services / REST API.
- `--password` | `--pass` (*string*)
  - Your z/OS password that is used to authenticate to OPS/MVS Web Services / REST API.
- `--host` (*string*)
  - The hostname of the server where OPS/MVS Web Services / REST API is running.
- `--port` | `-p` (*number*)
  - The port number for OPS/MVS Web Services / REST API.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - If set to true, the server certificate is verified against the list of supplied CAs. If set to false, certificate verification is not performed.

Default value: true

- `--protocol` | `--prot` (*string*)
  - The protocol that is used for connecting to OPS/MVS Web Services / REST API.  
  
Default value: https  
Allowed values: http, https
- `--subsystem` | `--subs` (*string*)
  - Specifies the subsystem ID of the OPS/MVS instance to which commands will be directed. This parameter is ignored with the 'show status' and 'show subsystem' commands.  
  
Default value: OPSS
- `--rest-api` | `--ra` (*boolean*)
  - If set to true, the plug-in executes the command against the OPS/MVS REST API. If set to false, the plug-in executes against the OPS/MVS Web Services.  
  
Default value: false
- `--base-path` | `--bp` (*string*)
  - NOTE: This can only be used with the REST API server. The base path for your Zowe API Mediation Layer instance. Specify this option to prepend the base path to all resources when making REST requests. Only specify this option if you are using an Zowe API Mediation Layer.

## Profile Options

- `--ops-profile` | `--ops-p` (*string*)
  - The name of a (ops) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Stop the resource "RESOURCE1" in the table "MYTABLE" for the "OPSS" subsystem.:
  - `zowe ops stop resource "RESOURCE1" "MYTABLE" --subsystem "OPSS"`
- Stop the "RESOURCE1" in the table "MYTABLE" for the "OPSS" subsystem, and wait for up to 2 minutes for "RESOURCE1" to have a current state of DOWN.:
  - `zowe ops stop resource "RESOURCE1" "MYTABLE" --subsystem "OPSS" -w 120`

## zowe › plugins

---

Install and manage plug-ins.

### zowe › plugins › install

Install plug-ins to an application.

#### Usage

```
zowe plugins install [plugin...] [options]
```

#### Positional Arguments

- `plugin...` (*string*)
  - A space-separated list of plug-ins to install. A plug-in can be any format that is accepted by the ``npm install`` command (local directory, TAR file, git URL, public package, private package, etc...).

To use a relative local directory, at least one `'/'` or `'\'` must exist in the plug-in path. For example, you have a local plug-in in a folder called `'test-plugin'` that you want to install. Specify the relative local directory by issuing the following command:

```
zowe plugins install ./test-plugin
```

If you omit the `'./'`, then the install command looks for `'test-plugin'` in an npm registry.

If the plugin argument is omitted, the `plugins.json` file will determine which plug-ins are installed. For more information on the `plugins.json` file, see the `--file` option.

#### Options

- `--file` (*local file path*)
  - Specifies the location of a `plugins.json` file that contains the plug-ins you want to install.

All plug-ins specified in `plugins.json` will be installed to the base CLI and the contents will be placed into `/home/<user>/.zowe/plugins/plugins.json`.

If you do not specify a `plugins.json` file and do not specify a plug-in, the default `plugin.json` file (`/home/<user>/.zowe/plugins/plugins.json`) will be used. This provides a way to install plug-ins that were lost or corrupted after reinstalling or updating Zowe CLI.

- `--registry` (*string*)
  - The npm registry that is used when installing remote packages. When this value is omitted, the value returned by ``npm config get registry`` is used.  
  
For more information about npm registries, see: <https://docs.npmjs.com/misc/registry>
- `--login` (*boolean*)
  - The flag to add a registry user account to install from secure registry. It saves credentials to the `.npmrc` file using ``npm login``. When this value is omitted, credentials from `.npmrc` file is used. If you used this flag once for specific registry, you don't have to use it again, it uses credentials from `.npmrc` file.  
  
For more information about npm registries, see:  
<https://docs.npmjs.com/cli/login> for NPM  $\geq 9$   
<https://docs.npmjs.com/cli/adduser> for NPM  $< 9$

## Examples

- Install plug-ins saved in `/home/<user>/.zowe/plugins/plugins.json`:
  - `zowe plugins install`
- Install plug-ins saved in a properly formatted config file:
  - `zowe plugins install --file /some/file/path/file_name.json`
- Install a remote plug-in:
  - `zowe plugins install my-plugin`
- Install a remote plug-in using semver:
  - `zowe plugins install my-plugin@"^1.2.3"`
- Install a remote plug-in from the specified registry:
  - `zowe plugins install my-plugin --registry https://registry.npmjs.org/`
- Install a local folder, local TAR file, and a git URL:
  - `zowe plugins install ./local-file /root/tar/some-tar.tgz  
git://github.com/project/repository.git#v1.0.0`

- Install a remote plug-in from the registry which requires authorization(don't need to use this flag if you have already logged in before):
  - `zowe plugins install my-plugin --registry https://registry.npmjs.org/ --login`

## [zowe](#) › [plugins](#) › [list](#)

List all plug-ins installed.

### Usage

`zowe plugins list [options]`

### Options

- `--short` | `-s` (*boolean*)
  - Show output in abbreviated format

## [zowe](#) › [plugins](#) › [show-first-steps](#)

Show first steps required to set up plug-in for use.

### Usage

`zowe plugins show-first-steps [plugin] [options]`

### Positional Arguments

- `plugin` (*string*)
    - The name of the installed plug-in to show first steps for.
- If the plug-in argument is omitted, no action is taken.

### Examples

- Show first steps for a plug-in called 'my-plugin':
  - `zowe plugins show-first-steps my-plugin`

## [zowe](#) › [plugins](#) › [uninstall](#)

Uninstall plug-ins.

## Usage

zowe plugins uninstall [plugin...] [options]

## Positional Arguments

- `plugin...` (*string*)
  - The name of the plug-in to uninstall.

If the plug-in argument is omitted, no action is taken.

## Examples

- Uninstall a plug-in:
  - `zowe plugins uninstall my-plugin`

## zowe › plugins › update

Update plug-ins.

## Usage

zowe plugins update [plugin...] [options]

## Positional Arguments

- `plugin...` (*string*)
  - The name of the plug-in to update.

If the plug-in argument is omitted, no action is taken.

## Options

- `--registry` (*string*)
  - The npm registry that is used when installing remote packages. When this value is omitted, the value returned by ``npm config get registry`` is used.

For more information about npm registries, see: <https://docs.npmjs.com/misc/registry>

- `--login` (*boolean*)
  - The flag to add a registry user account to install from secure registry. It saves credentials to the `.npmrc` file using ``npm login``. When this value is omitted, credentials from `.npmrc`

file is used. If you used this flag once for specific registry, you don't have to use it again, it uses credentials from `.npmrc` file.

For more information about npm registries, see:

<https://docs.npmjs.com/cli/login> for NPM  $\geq 9$

<https://docs.npmjs.com/cli/adduser> for NPM  $< 9$

## Examples

- Update a plug-in:
  - `zowe plugins update my-plugin`
- Update a remote plug-in from the registry which requires authorization(don't need to use this flag if you have already logged in before):
  - `zowe plugins update my-plugin --registry https://registry.npmjs.org/ --login`

## zowe › plugins › validate

Validate a plug-in that has been installed.

### Usage

```
zowe plugins validate [plugin] [options]
```

### Positional Arguments

- `plugin` (*string*)
  - The name of the plug-in to validate.  
Validation issues identified for this plug-in are displayed.

If the plug-in argument is omitted, all installed plug-ins are validated.

### Options

- `--fail-on-error` | `--foe` (*boolean*)
  - Enables throwing an error and setting an error code if plugin validation detects an error.

Default value: true
- `--fail-on-warning` | `--fow` (*boolean*)
  - Treat validation warnings as errors. Requires fail-on-error.

Default value: false

## Examples

- Validate a plug-in named my-plugin:
  - `zowe plugins validate my-plugin`
- Validate all installed plug-ins:
  - `zowe plugins validate`
- Validate a plug-in named my-plugin, and treat warnings as errors:
  - `zowe plugins validate my-plugin --fail-on-warning`

## zowe › provisioning

---

Perform z/OSMF provisioning tasks on Published Templates in the Service Catalog and Provisioned Instances in the Service Registry.

## zowe › provisioning › delete

---

Deletes instance previously provisioned with z/OSMF cloud provisioning services.

## zowe › provisioning › delete › instance

Deletes selected deprovisioned instance.

### Usage

```
zowe provisioning delete instance <name> [options]
```

### Positional Arguments

- `name` (*string*)
  - Deprovisioned Instance name.

### Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)

- Reject self-signed certificates.

Default value: true

- `--base-path` | `--bp` (*string*)

- The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.

- `--protocol` (*string*)

- The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)

- The file path to a certificate file to use for authentication

- `--cert-key-file` (*local file path*)

- The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)

- The name of a (zosmf) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)

- The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)

- The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

- `--token-value` | `--tv` (*string*)

- The value of the token to pass to the API.

## Examples

- Delete deprovisioned instance "instance1":
  - `zowe provisioning delete instance instance1`

## [zowe](#) › [provisioning](#) › [list](#)

---

Lists z/OSMF provisioning information such as the provisioned instances from the registry, the provisioned instance details, the available provisioning templates and provisioning template details.

## [zowe](#) › [provisioning](#) › [list](#) › [catalog-templates](#)

Lists the z/OSMF service catalog published templates.

### Usage

```
zowe provisioning list catalog-templates [options]
```

### Options

- `--all-info` | `--ai` (*boolean*)
  - Display information about published z/OSMF service catalog templates (summary information is printed by default).

### Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)

- Reject self-signed certificates.

Default value: true

- `--base-path` | `--bp` (*string*)

- The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.

- `--protocol` (*string*)

- The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)

- The file path to a certificate file to use for authentication

- `--cert-key-file` (*local file path*)

- The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)

- The name of a (zosmf) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)

- The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)

- The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

- `--token-value` | `--tv` (*string*)

- The value of the token to pass to the API.

## Examples

- List all published templates in the z/OSMF service catalog (with full detail):

- `zowe provisioning list catalog-templates --all-info`

## [zowe](#) › [provisioning](#) › [list](#) › [instance-info](#)

List details about an instance provisioned with z/OSMF.

### Usage

```
zowe provisioning list instance-info <name> [options]
```

### Positional Arguments

- `name` (*string*)
  - Provisioned Instance Name

### Options

- `--display` (*string*)
  - Level of information to display for the provisioned instance. Possible values:  
  
summary - summary information, no actions or variables  
actions - (default) summary with actions, no variables  
vars - summary information with variables, no actions  
extended - extended information with actions  
full - all available information  
  
Allowed values: extended, summary, vars, actions, full

### Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.

Default value: 443

- `--user` | `-u` (*string*)

- Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)

- The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- List summary information with a list of actions for an instance with the name "instance1":
  - `zowe provisioning list instance-info instance1`
- Show extended general information with actions for a provisioned instance with the name "instance1":
  - `zowe provisioning list instance-info instance1 --display extended`

## [zowe](#) › [provisioning](#) › [list](#) › [instance-variables](#)

List a set of variables and their values for a given name.

## Usage

```
zowe provisioning list instance-variables <name> [options]
```

## Positional Arguments

- `name` (*string*)
  - Provisioned Instance Name

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.

Default value: 443

- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.

- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '`--response-format-type`' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
    - table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.
    - list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.
    - object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.
    - string: Formats output data as a string. JSON objects/arrays are stringified.
  - Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- List instance variables of "instance1":
  - `zowe provisioning list instance-variables instance1`

## [zowe](#) › [provisioning](#) › [list](#) › [registry-instances](#)

List the provisioned instances from the z/OSMF software registry.

## Usage

zowe provisioning list registry-instances [options]

## Options

- `--all-info` | `--ai` (*boolean*)
  - Display all available information about provisioned instances (summary by default).
- `--filter-by-type` | `--fbt` (*string*)
  - Filter the list of provisioned instances by type (e.g. DB2 or CICS).
- `--filter-by-external-name` | `--fben` (*string*)
  - Filter the list of provisioned instances by External Name.
- `--types` | `-t` (*boolean*)
  - Display a list of all types for provisioned instances (e.g. DB2 or CICS).

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--base-path` | `--bp` (*string*)

- The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)
  - Default value: https
  - Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- List all provisioned instances (with full detail):
  - `zowe provisioning list registry-instances --all-info`

## [zowe](#) › [provisioning](#) › [list](#) › [template-info](#)

List details about a template published with z/OSMF Cloud Provisioning.

### Usage

```
zowe provisioning list template-info <name> [options]
```

### Positional Arguments

- `name` (*string*)
  - The name of a z/OSMF cloud provisioning template.

### Options

- `--all-info` | `--ai` (*boolean*)
  - Display detailed information about published z/OSMF service catalog template (summary information is printed by default).

### Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true

- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)
 

Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- List summary information for template "template1":
  - `zowe provisioning list template-info template1`

## zowe › provisioning › perform

---

Perform actions against instances provisioned with z/OSMF.

### zowe › provisioning › perform › action

Perform actions on instances previously provisioned with z/OSMF cloud provisioning services. To view the list of provisioned instances, use the "zowe provisioning list registry-instances" command. Once you have obtained an instance name you can use the "zowe provisioning list instance-info <name>" command to view the available instance actions.

#### Usage

```
zowe provisioning perform action <name> <actionname> [options]
```

#### Positional Arguments

- `name` (*string*)
  - Provisioned Instance name.
- `actionname` (*string*)
  - The action name. Use the "zowe provisioning list instance-info <name>" command to view available instance actions.

#### Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Perform the "start" action on the provisioned instance "instance1":
  - `zowe provisioning perform action instance1 start`

## zowe › provisioning › provision

---

Using z/OSMF cloud provisioning services provision available templates.

### zowe › provisioning › provision › template

Using z/OSMF cloud provisioning services, provision available templates.

You can view available templates using the `zowe provisioning list catalog-templates` command.

## Usage

```
zowe provisioning provision template <name> [options]
```

## Positional Arguments

- `name` (*string*)
  - The name of a z/OSMF cloud provisioning template.

## Options

- `--properties` | `-p` (*string*)
  - A sequence of string enclosed "name=value" pairs of prompt variables.  
e.g: "CSQ\_MQ\_SSID=ZCT1,CSQ\_CMD\_PFX=!ZCT1".
- `--properties-file` | `--pf` (*string*)
  - Path to .yml file containing properties.
- `--domain-name` | `--dn` (*string*)
  - Required if the user has consumer authorization to more than one domain with this template name.
- `--tenant-name` | `--tn` (*string*)
  - Required if the user has consumer authorization to more than one tenant in the same domain that contains this template name.

- `--user-data-id` | `--udi` (*string*)
  - ID for the user data specified with `user-data`. Passed into the software services registry.
- `--user-data` | `--ud` (*string*)
  - User data that is passed into the software services registry. Can be specified only if `user-data-id` is provided.
- `--account-info` | `--ai` (*string*)
  - Account information to use in the JCL JOB statement. The default is the account information that is associated with the resource pool for the tenant.
- `--system-nick-names` | `--snn` (*string*)
  - Each string is the nickname of the system upon which to provision the software service defined by the template. The field is required if the resource pool associated with the tenant used for this operation is not set up to automatically select a system. Only one nickname is allowed. If the field is provided it is validated.  
e.g: "SYSNAME1,SYSNAME2".

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true

- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)
 

Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Provision a published software service template.:
  - `zowe provisioning provision template template1`



## zowe › sysview

---

Zowe CLI plugin for SYSVIEW

### zowe › sysview › capture

Display output from a primary command stored in a SYSVIEW capture data set

#### Usage

```
zowe sysview capture <capture-dsn> <capture-command> [options]
```

#### Positional Arguments

- `capture-dsn` (*string*)
  - Capture data set name from which to retrieve captured commands
- `capture-command` (*string*)
  - Captured command to retrieve

#### data options

- `--capture-row` | `--cr` (*number*)
  - Row number of command within capture data set
- `--capture-screen` | `--cs` (*string*)
  - Screen name, for commands which have multiple screens
- `--capture-title` | `--ct` (*string*)
  - The captured command screen title or a user supplied title specified on the CAPIMMED command
- `--fields` | `-f` (*array*)
  - Fields to be returned (by name). For example: "jobname" "cpu"
- `--all-rows` | `--ar` (*boolean*)
  - Return all rows of data, no matter how many. Overrides `--row-start` and `--row-end`

- `--row-start` | `--rs` (*number*)
  - The first row of the response data to displayDefault value: 1
- `--row-end` | `--re` (*number*)
  - The last row of the response data to displayDefault value: 100
- `--timeout` | `--to` (*number*)
  - The number of seconds to wait before timing outDefault value: 30

## display options

- `--context-fields` | `--cf` (*array*)
  - Context fields to display. Defaults to hiding all context
- `--overview` | `-o` (*boolean*)
  - Display the overview section
- `--info` | `-i` (*boolean*)
  - Display the information area, if any
- `--pretty` | `-p` (*boolean*)
  - Display formatted data
- `--blank-if-zero` | `--biz` | `-b` (*boolean*)
  - Show a blank space instead of '0' values
- `--truncate` | `--tr` (*boolean*)
  - Truncate displays that are too wide for the consoleDefault value: false

## response format options

- `--response-format-csv` | `--csv` (*boolean*)
  - Format data as a set of Comma Separated Values

## sysview connection options

- `--host` | `-H` (*string*)
  - The hostname of the SYSVIEW REST API
- `--port` | `-P` (*number*)
  - The port number of the SYSVIEW REST API
- `--user` | `-u` (*string*)
  - Your z/OS username used to authenticate to the SYSVIEW REST API
- `--password` | `--pass` | `--pw` (*string*)
  - Your z/OS password used to authenticate to the SYSVIEW REST API
- `--reject-unauthorized` | `--ru` (*boolean*)
  - If set, the server certificate is verified against the list of supplied CAs
- `--ssid` (*string*)
  - SSID of the SYSVIEW instance. Default value: GSVX

Default value: GSVX
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Do not specify this option if you are not using an API mediation layer.

Default value: /api/v1

## Profile Options

- `--sysview-profile` | `--sysview-p` (*string*)
  - The name of a (sysview) profile to load for this command execution.
- `--sysview-format-profile` | `--sysview-format-p` (*string*)
  - The name of a (sysview-format) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Display the captured ACTIVITY command from MY.CAPTURE.DATASET.:
  - `zowe sysview capture "MY.CAPTURE.DATASET" ACTIVITY`
- Display the Jobname, Jobid, and Status columns of the captured ACTIVITY command on row 3 from MY.CAPTURE.DATASET.:
  - `zowe sysview capture "MY.CAPTURE.DATASET" ACTIVITY --capture-row 3 --fields Jobname Jobid Status`

## [zowe](#) › [sysview](#) › [capture-immediate](#)

Submit a capture request2

### Usage

`zowe sysview capture-immediate <capture-file> [options]`

## Positional Arguments

- `capture-file` (*string*)
  - The list of SYSVIEW commands to be executed as an Event Capture. This takes the same form as a CAPLIB member.

## display options

- `--context-fields` | `--cf` (*array*)
  - Context fields to display. Defaults to hiding all context

## data options

- `--capture-description` | `--cd` (*string*)
  - The description of the capture

## sysview connection options

- `--host` | `-H` (*string*)
  - The hostname of the SYSVIEW REST API
- `--port` | `-P` (*number*)
  - The port number of the SYSVIEW REST API
- `--user` | `-u` (*string*)
  - Your z/OS username used to authenticate to the SYSVIEW REST API
- `--password` | `--pass` | `--pw` (*string*)
  - Your z/OS password used to authenticate to the SYSVIEW REST API
- `--reject-unauthorized` | `--ru` (*boolean*)
  - If set, the server certificate is verified against the list of supplied CAs
- `--ssid` (*string*)
  - SSID of the SYSVIEW instance. Default value: GSVX

Default value: GSVX
- `--base-path` | `--bp` (*string*)

- The base path for your API mediation layer instance. Do not specify this option if you are not using an API mediation layer.

Default value: /api/v1

## Profile Options

- `--sysview-profile` | `--sysview-p` (*string*)
  - The name of a (sysview) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Issues a Capture containing the commands in capture file 'my-capture.txt' with the description 'Top CPU Users':
  - `zowe sysview capture-immediate "./my-capture.txt" --description "Top CPU Users"`

Confirm that the SYSVIEW REST server is running on a specified system.

## [zowe](#) › [sysview](#) › [check](#) › [status](#)

Confirm that the SYSVIEW REST server is running on a system specified. The command outputs properties of the z/OS system and the SYSVIEW REST server.

### Usage

```
zowe sysview check status [options]
```

### sysview connection options

- `--host` | `-H` (*string*)
  - The hostname of the SYSVIEW REST API
- `--port` | `-P` (*number*)
  - The port number of the SYSVIEW REST API
- `--user` | `-u` (*string*)
  - Your z/OS username used to authenticate to the SYSVIEW REST API
- `--password` | `--pass` | `--pw` (*string*)
  - Your z/OS password used to authenticate to the SYSVIEW REST API
- `--reject-unauthorized` | `--ru` (*boolean*)
  - If set, the server certificate is verified against the list of supplied CAs
- `--ssid` (*string*)
  - SSID of the SYSVIEW instance. Default value: GSVX

Default value: GSVX
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Do not specify this option if you are not using an API mediation layer.

Default value: /api/v1

### Profile Options

- `--sysview-profile` | `--sysview-p` (*string*)
  - The name of a (sysview) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.
 

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Report the status of the SYSVIEW REST server that you specified in your default SYSVIEW REST profile:
  - `zowe sysview check status`
- Report the status of the SYSVIEW REST server that you specified in a supplied SYSVIEW REST profile:
  - `zowe sysview check status --sysview-profile SomeSysviewProfileName`
- Report the status of the SYSVIEW REST server that you specified manually via command line:
  - `zowe sysview check status --host myhost --port 443 --user myuser --password mypass`

## zowe › sysview › display

Issue a SYSVIEW primary command and display output, including any messages

### Usage

zowe sysview display <command-string> [options]

### Positional Arguments

- `command-string` (*string*)
  - Command(s) to be issued  
(If more than one command, separated by a semi-colon)  
Example: "ACTIVITY;SORT CPU% D"

### data options

- `--fields` | `-f` (*array*)
  - Fields to be returned (by name). For example: "jobname" "cpu"
- `--all-rows` | `--ar` (*boolean*)
  - Return all rows of data, no matter how many. Overrides `--row-start` and `--row-end`
- `--row-start` | `--rs` (*number*)
  - The first row of the response data to display  
Default value: 1
- `--row-end` | `--re` (*number*)
  - The last row of the response data to display  
Default value: 100
- `--timeout` | `--to` (*number*)
  - The number of seconds to wait before timing out  
Default value: 30

### display options

- `--context-fields` | `--cf` (*array*)

- Context fields to display. Defaults to hiding all context
- `--overview` | `-o` (*boolean*)
  - Display the overview section
- `--info` | `-i` (*boolean*)
  - Display the information area, if any
- `--pretty` | `-p` (*boolean*)
  - Display formatted data
- `--blank-if-zero` | `--biz` | `-b` (*boolean*)
  - Show a blank space instead of '0' values
- `--truncate` | `--tr` (*boolean*)
  - Truncate displays that are too wide for the console

Default value: false

### response format options

- `--response-format-csv` | `--csv` (*boolean*)
  - Format data as a set of Comma Separated Values

### sysview connection options

- `--host` | `-H` (*string*)
  - The hostname of the SYSVIEW REST API
- `--port` | `-P` (*number*)
  - The port number of the SYSVIEW REST API
- `--user` | `-u` (*string*)
  - Your z/OS username used to authenticate to the SYSVIEW REST API
- `--password` | `--pass` | `--pw` (*string*)
  - Your z/OS password used to authenticate to the SYSVIEW REST API

- `--reject-unauthorized` | `--ru` (*boolean*)
  - If set, the server certificate is verified against the list of supplied CAs
- `--ssid` (*string*)
  - SSID of the SYSVIEW instance. Default value: GSVX  
Default value: GSVX
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Do not specify this option if you are not using an API mediation layer.  
Default value: /api/v1

## Profile Options

- `--sysview-profile` | `--sysview-p` (*string*)
  - The name of a (sysview) profile to load for this command execution.
- `--sysview-format-profile` | `--sysview-format-p` (*string*)
  - The name of a (sysview-format) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Issue the CSMSTAT command and show the 'message' field from the context area of the response:
  - `zowe sysview display "CSMSTAT" --cf message`
- Issue the JOBSUM command to list jobs starting with "CS" showing only the fields Jobname, Jobid, and Status:
  - `zowe sysview display "jobs CS&VLMC" --fields Jobname Jobid Status`

## [zowe](#) › [sysview](#) › [execute](#)

Issue a SYSVIEW function command and display any messages

### Usage

```
zowe sysview execute <command-string> [options]
```

### Positional Arguments

- `command-string` (*string*)
  - Command(s) to be issued  
(If more than one command, separated by a semi-colon)  
Example: "ACTIVITY;SORT CPU% D"

### display options

- `--context-fields` | `--cf` (*array*)
  - Context fields to display. Defaults to hiding all context

### data options

- `--timeout` | `--to` (*number*)
  - The number of seconds to wait before timing out

Default value: 30

## sysview connection options

- `--host` | `-H` (*string*)
  - The hostname of the SYSVIEW REST API
- `--port` | `-P` (*number*)
  - The port number of the SYSVIEW REST API
- `--user` | `-u` (*string*)
  - Your z/OS username used to authenticate to the SYSVIEW REST API
- `--password` | `--pass` | `--pw` (*string*)
  - Your z/OS password used to authenticate to the SYSVIEW REST API
- `--reject-unauthorized` | `--ru` (*boolean*)
  - If set, the server certificate is verified against the list of supplied CAs
- `--ssid` (*string*)
  - SSID of the SYSVIEW instance. Default value: GSVX

Default value: GSVX
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Do not specify this option if you are not using an API mediation layer.

Default value: /api/v1

## Profile Options

- `--sysview-profile` | `--sysview-p` (*string*)
  - The name of a (sysview) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Issue the APFTEST command and display any messages returned from SYSVIEW.:
  - `zowe sysview execute "APFTEST SYS1.LINKLIB SYS001"`

## zowe › zos-console

---

Interact with z/OSMF console services. Issue z/OS console commands and collect responses. z/OS console services establishes extended MCS (EMCS) consoles on behalf of the user, which are used to issue the commands and collect responses.

Important! Before you use commands in the zos-console command group, ensure that you understand the implications of issuing z/OS console commands in your environment.

## zowe › zos-console › collect

---

z/OSMF console services provides a command response key upon successful issue of a console command. You can use this key to collect additional console message responses.

## zowe › zos-console › collect › sync-responses

The z/OSMF console REST APIs return a "solicited response key" after successfully issuing a synchronous console command that produces solicited responses. You can use the "solicited response key" on the "sync-responses" command to collect any additional outstanding solicited responses from the console the command was issued.

In general, when issuing a z/OS console command, z/OS applications route responses to the originating console. The command response messages are referred to as "solicited command responses" (i.e. direct responses to the command issued). When issuing a z/OS console command using Zowe CLI, collection of all solicited command responses is attempted by default. However, there is no z/OS mechanism that indicates the total number of response messages that may be produced from a given command. Therefore, the Zowe CLI console APIs return a "solicited response key" that can be used to "follow-up" and collect any additional solicited command responses.

### Usage

```
zowe zos-console collect sync-responses <responsekey> [options]
```

### Positional Arguments

- `responsekey` (*string*)
  - The "solicited response key" provided in response to a previously issued console command. Used by the z/OSMF console API to collect any additional outstanding

solicited responses from a previously issued console command. Must match regular expression: `^\[a\ -zA\ -Z0\ -9\]\+$`

## Options

- `--console-name` | `--cn` | `-c` (*string*)
  - The name of the z/OS extended MCS console to direct the command. You must have the required authority to access the console specified. You may also specify an arbitrary name, if your installation allows dynamic creation of consoles with arbitrary names.

Allowed values: `^\[a-zA-Z0-9\]\+$`

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.

Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)

- The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Collect any outstanding additional solicited response messages:
  - `zowe zos-console collect sync-responses C4866969`

## [zowe](#) › [zos-console](#) › [issue](#)

---

Issue z/OS console commands and optionally collect responses.

## [zowe](#) › [zos-console](#) › [issue](#) › [command](#)

Issue a z/OS console command and print command responses (known as "solicited command responses").

In general, when issuing a z/OS console command, z/OS applications route responses to the originating console. The command response messages are referred to as "solicited command responses" (i.e. direct responses to the command issued). When issuing a z/OS console command using Zowe CLI, collection of all solicited command responses is attempted by default. However, there is no z/OS mechanism that indicates the total number of response messages that may be produced from a given command. Therefore, the Zowe CLI console APIs return a "solicited response key" that can be used to "follow-up" and collect any additional solicited command responses.

Zowe CLI will issue "follow-up" API requests by default to collect any additional outstanding solicited command responses until a request returns no additional responses. At that time, Zowe CLI will attempt a final collection attempt. If no messages are present, the command is complete. If additional messages are present, the process is repeated. However, this does not guarantee that all messages produced in direct response (i.e. solicited) have been collected. The z/OS application may produce additional messages in direct response to your command at some point in the future. You can manually collect additional responses using the "command response key" OR specify additional processing options to, for example, delay collection attempts by a specified interval.

## Usage

```
zowe zos-console issue command <commandtext> [options]
```

## Positional Arguments

- `commandtext` (*string*)
  - The z/OS console command to issue.

## Options

- `--console-name` | `--cn` | `-c` (*string*)
  - The name of the z/OS extended MCS console to direct the command. You must have the required authority to access the console specified. You may also specify an arbitrary name, if your installation allows dynamic creation of consoles with arbitrary names.

Allowed values: `^[a-zA-Z0-9]+$`

- `--include-details` | `--id` | `-i` (*boolean*)

- Include additional details at the end of the Zowe CLI command response, such as the "command response key" and the z/OSMF command response URL.
- `--key-only` | `--ko` | `-k` (*boolean*)
  - Displays only the "command response key" returned from the z/OSMF console API. You can collect additional messages using the command key with 'zowe zos-console collect sync-responses <key>'. Note that when using this option, you will not be presented with the "first set" of command response messages (if present in the API response). However, you can view them by using the `--response-format-json` option.
- `--return-first` | `--rf` | `-r` (*boolean*)
  - Indicates that Zowe CLI should return immediately with the response message set returned in the first z/OSMF API request (even if no responses are present). Using this option may result in partial or no response, but quicker Zowe CLI command response time. The z/OSMF console API has an implicit wait when collecting the first set of console command responses, i.e you will normally receive at least one set of response messages.
- `--solicited-keyword` | `--sk` | `-s` (*string*)
  - For solicited responses (direct command responses) the response is considered complete if the keyword specified is present. If the keyword is detected, the command will immediately return, meaning the full command response may not be provided. The key only applies to the first request issued, follow up requests do not support searching for the keyword.
- `--sysplex-system` | `--ss` | `--sys` (*string*)
  - Specifies the z/OS system (LPAR) in the current SYSPLEX (where your target z/OSMF resides) to route the z/OS console command.
- `--wait-to-collect` | `--wtc` | `-w` (*number*)
  - Indicates that Zowe CLI wait at least the specified number of seconds before attempting to collect additional solicited response messages. If additional messages are collected on "follow-up" requests, the timer is reset until an attempt is made that results in no additional response messages.
- `--follow-up-attempts` | `--fua` | `-a` (*number*)
  - Number of request attempts if no response returned.

Default value: 1

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.
  - Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.
  - Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)
  - Default value: https
  - Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Issue a z/OS console command to display the IPL information for the system:
  - `zowe zos-console issue command "D IPLINFO"`
- Issue a z/OS console command to display the local and coordinated universal time and date:
  - `zowe zos-console issue command "D T"`
- Issue a Db2 command to display information about the status and configuration of DDF:
  - `zowe zos-console issue command "\-DB1G DISPLAY DDF"`

## zowe › zos-files

---

Manage z/OS data sets, create data sets, and more.

## zowe › zos-files › compare

---

Compare the contents of z/OS data sets or USS files in your terminal (stdout).

### zowe › zos-files › compare › data-set

Compare the contents of two z/OS data sets in your terminal (stdout).

#### Usage

```
zowe zos-files compare data-set <dataSetName1> <dataSetName2> [options]
```

#### Positional Arguments

- `dataSetName1` (*string*)
  - The name of the first data set you want to compare.
- `dataSetName2` (*string*)
  - The name of the second data set you want to compare.

#### Options

- `--binary` | `-b` (*boolean*)
  - Transfer the content of the first data set in binary mode (no EBCDIC to ASCII conversion). If binary mode is set and the `binary2` flag is not set then both data sets are transferred in binary mode.
- `--binary2` | `--b2` (*boolean*)
  - Transfer the content of the second data set in binary mode.
- `--encoding` | `--ec` (*string*)
  - Transfer the content of the first data set with encoding mode, which means that data conversion is performed using the file encoding specified. If encoding mode is set and the `encoding2` flag is not set both data sets are transferred in encoding mode.

- `--encoding2` | `--ec2` (*string*)
  - Transfer the content of the second data set with encoding mode.
- `--record` | `-r` (*boolean*)
  - Transfer the content for the first data set in record mode, which means that no data conversion is performed and the record length is prepended to the data. The data transfer process returns each line as-is, without translation. No delimiters are added between records. If encoding mode is set and the `encoding2` flag is not set both data sets are transferred in encoding mode. This option conflicts with binary mode.
- `--record2` | `--r2` (*boolean*)
  - Transfer the content for the second data set in record mode. Conflicts with `binary2`.
- `--volume-serial` | `--vs` (*string*)
  - The volume serial (VOLSER) where the first data set resides. You can use this option at any time. However, the VOLSER is required only when the data set is not cataloged on the system. A VOLSER is analogous to a drive name on a PC.
- `--volume-serial2` | `--vs2` (*string*)
  - The volume serial (VOLSER) where the second data set resides.
- `--seqnum` | `--sn` (*boolean*)
  - If you are comparing two files that contain sequence numbers, this option controls if the sequences numbers are removed from the end of each string. The default is to keep the sequence numbers. Use the `--no-seqnum` option to not include them.

Default value: true

- `--context-lines` | `--cl` (*number*)
  - The number of context lines that display before and after detected non-matching lines. By default all matching lines display. If you want to limit the amount of data returned to only lines with differences use the context lines option to reduce the matching lines to only those before and after non-matching lines. Using the value of 0 strips all matching lines.
- `--browser-view` | `--bv` (*boolean*)
  - Opens the diffs between two given files in browser.

- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
  
Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)

- The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Compare the contents of the data set members "sys1.samplib(antptso)" and "sys1.samplib(antxtso)":
  - `zowe zos-files compare data-set "sys1.samplib(antptso)" "sys1.samplib(antxtso)"`
- Compare the contents of the data set members "sys1.samplib(antptso)" and "sys1.samplib(antxtso)" without sequence numbers:
  - `zowe zos-files compare data-set "sys1.samplib(antptso)" "sys1.samplib(antxtso)" --no-seqnum`

## [zowe](#) › [zos-files](#) › [compare](#) › [local-file-data-set](#)

Compare the contents of a local file and a z/OS data set in your terminal (stdout).

## Usage

zowe zos-files compare local-file-data-set <localFilePath> <dataSetName> [options]

## Positional Arguments

- `localFilePath` (*string*)
  - The path of the local file you want to compare.
- `dataSetName` (*string*)
  - The name of the data set you want to compare.

## Options

- `--binary` | `-b` (*boolean*)
  - Transfer the content of the first data set in binary mode (no EBCDIC to ASCII conversion). If binary mode is set and the `binary2` flag is not set then both data sets are transferred in binary mode.
- `--encoding` | `--ec` (*string*)
  - Transfer the content of the first data set with encoding mode, which means that data conversion is performed using the file encoding specified. If encoding mode is set and the `encoding2` flag is not set both data sets are transferred in encoding mode.
- `--record` | `-r` (*boolean*)
  - Transfer the content for the first data set in record mode, which means that no data conversion is performed and the record length is prepended to the data. The data transfer process returns each line as-is, without translation. No delimiters are added between records. If encoding mode is set and the `encoding2` flag is not set both data sets are transferred in encoding mode. This option conflicts with binary mode.
- `--volume-serial` | `--vs` (*string*)
  - The volume serial (VOLSER) where the first data set resides. You can use this option at any time. However, the VOLSER is required only when the data set is not cataloged on the system. A VOLSER is analogous to a drive name on a PC.
- `--seqnum` | `--sn` (*boolean*)
  - If you are comparing two files that contain sequence numbers, this option controls if the sequences numbers are removed from the end of each string. The default is to keep the sequence numbers. Use the `--no-seqnum` option to not include them.

Default value: true

- `--context-lines` | `--cl` (*number*)
  - The number of context lines that display before and after detected non-matching lines. By default all matching lines display. If you want to limit the amount of data returned to only lines with differences use the context lines option to reduce the matching lines to only those before and after non-matching lines. Using the value of 0 strips all matching lines.
- `--browser-view` | `--bv` (*boolean*)
  - Opens the diffs between two given files in browser.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--base-path` | `--bp` (*string*)

- The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Compare the contents of the local file and the data set member `"/a.txt"` and `"sys1.samplib(antxtso)"`:
  - `zowe zos-files compare local-file-data-set "/a.txt" "sys1.samplib(antxtso)"`

- Compare the contents of the local file and the data set member `"/a.txt"` and `"sys1.samplib(antxtso)"` without sequence numbers:
  - `zowe zos-files compare local-file-data-set "/a.txt"`  
`"sys1.samplib(antxtso)" --no-seqnum`

## [zowe](#) › [zos-files](#) › [compare](#) › [local-file-spool-dd](#)

Compare the contents of a local file and a spool dd in your terminal (stdout).

### Usage

```
zowe zos-files compare local-file-spool-dd <localFilePath> <spoolDescription> [options]
```

### Positional Arguments

- `localFilePath` (*string*)
  - The path of the local file you want to compare.
- `spoolDescription` (*string*)
  - The name of the job with the id of spool dd.

### Options

- `--seqnum` | `--sn` (*boolean*)
  - If you are comparing two files that contain sequence numbers, this option controls if the sequences numbers are removed from the end of each string. The default is to keep the sequence numbers. Use the `--no-seqnum` option to not include them.

Default value: true

- `--context-lines` | `--cl` (*number*)
  - The number of context lines that display before and after detected non-matching lines. By default all matching lines display. If you want to limit the amount of data returned to only lines with differences use the context lines option to reduce the matching lines to only those before and after non-matching lines. Using the value of 0 strips all matching lines.
- `--browser-view` | `--bv` (*boolean*)
  - Opens the diffs between two given files in browser.

- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
  
Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)

- The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Compare the contents of a local-file and a spool dd `"/a.txt" "jobName:jobId:spoolId"`:
  - `zowe zos-files compare local-file-spool-dd "/a.txt" "jobName:jobId:spoolId"`
- Compare the contents of a local-file and a spool dd `"/a.txt" "jobName:jobId:spoolId"` without sequence numbers:
  - `zowe zos-files compare local-file-spool-dd "/a.txt" "jobName:jobId:spoolId" --no-seqnum`

## [zowe](#) › [zos-files](#) › [compare](#) › [local-file-uss-file](#)

Compare the contents of a local file and a z/OS USS file in your terminal (stdout).

### Usage

```
zowe zos-files compare local-file-uss-file <localFilePath> <ussFilePath> [options]
```

## Positional Arguments

- `localFilePath` (*string*)
  - The path of the local file you want to compare.
- `ussFilePath` (*string*)
  - The path of the USS file set you want to compare.

## Options

- `--binary` | `-b` (*boolean*)
  - Transfer the content of the first data set in binary mode (no EBCDIC to ASCII conversion). If binary mode is set and the `binary2` flag is not set then both data sets are transferred in binary mode.
- `--encoding` | `--ec` (*string*)
  - Transfer the content of the first data set with encoding mode, which means that data conversion is performed using the file encoding specified. If encoding mode is set and the `encoding2` flag is not set both data sets are transferred in encoding mode.
- `--seqnum` | `--sn` (*boolean*)
  - If you are comparing two files that contain sequence numbers, this option controls if the sequences numbers are removed from the end of each string. The default is to keep the sequence numbers. Use the `--no-seqnum` option to not include them.

Default value: true

- `--context-lines` | `--cl` (*number*)
  - The number of context lines that display before and after detected non-matching lines. By default all matching lines display. If you want to limit the amount of data returned to only lines with differences use the `context lines` option to reduce the matching lines to only those before and after non-matching lines. Using the value of 0 strips all matching lines.
- `--browser-view` | `--bv` (*boolean*)
  - Opens the diffs between two given files in browser.
- `--response-timeout` | `--rto` (*number*)

- The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Compare the contents of the local file and the USS file `./a.txt` and `/u/user/test.txt`:
  - `zowe zos-files compare local-file-uss-file ./a.txt /u/user/test.txt`
- Compare the contents of the local file and the USS file `./a.txt` and `/u/user/test.txt` without sequence numbers:
  - `zowe zos-files compare local-file-uss-file ./a.txt /u/user/test.txt --no-seqnum`

## [zowe](#) › [zos-files](#) › [compare](#) › [spool-dd](#)

Compare the contents of two spool dds in your terminal (stdout).

### Usage

```
zowe zos-files compare spool-dd <spoolDescription1> <spoolDescription2> [options]
```

### Positional Arguments

- `spoolDescription1` (*string*)
  - The name of the first job with the id of spool dd.
- `spoolDescription2` (*string*)
  - The name of the second job with the id of spool dd.

## Options

- `--context-lines` | `--cl` (*number*)
  - The number of context lines that display before and after detected non-matching lines. By default all matching lines display. If you want to limit the amount of data returned to only lines with differences use the context lines option to reduce the matching lines to only those before and after non-matching lines. Using the value of 0 strips all matching lines.
- `--browser-view` | `--bv` (*boolean*)
  - Opens the diffs between two given files in browser.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.

Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Compare the contents of the two spool dds "jobName1:jobId1:spoolId1" "jobName2:jobId2:spoolId2":
  - `zowe zos-files compare spool-dd "jobName1:jobId1:spoolId1" "jobName2:jobId2:spoolId2"`
- Compare the contents of the two spool dds "jobName1:jobId1:spoolId1" "jobName2:jobId2:spoolId2" without sequence numbers:
  - `zowe zos-files compare spool-dd "jobName1:jobId1:spoolId1" "jobName2:jobId2:spoolId2" --no-seqnum`

## [zowe](#) › [zos-files](#) › [compare](#) › [uss-files](#)

Compare the contents of two z/OS USS files in your terminal (stdout).

### Usage

```
zowe zos-files compare uss-files <ussFilePath1> <ussFilePath2> [options]
```

### Positional Arguments

- `ussFilePath1` (*string*)
  - The path of the first USS file you want to compare.
- `ussFilePath2` (*string*)
  - The path of the second USS file you want to compare.

### Options

- `--binary` | `-b` (*boolean*)
  - Transfer the content of the first data set in binary mode (no EBCDIC to ASCII conversion). If binary mode is set and the `binary2` flag is not set then both data sets are transferred in binary mode.
- `--binary2` | `--b2` (*boolean*)
  - Transfer the content of the second data set in binary mode.
- `--encoding` | `--ec` (*string*)

- Transfer the content of the first data set with encoding mode, which means that data conversion is performed using the file encoding specified. If encoding mode is set and the encoding2 flag is not set both data sets are transferred in encoding mode.
- `--encoding2` | `--ec2` (*string*)
  - Transfer the content of the second data set with encoding mode.
- `--seqnum` | `--sn` (*boolean*)
  - If you are comparing two files that contain sequence numbers, this option controls if the sequences numbers are removed from the end of each string. The default is to keep the sequence numbers. Use the `--no-seqnum` option to not include them.

Default value: true

- `--context-lines` | `--cl` (*number*)
  - The number of context lines that display before and after detected non-matching lines. By default all matching lines display. If you want to limit the amount of data returned to only lines with differences use the context lines option to reduce the matching lines to only those before and after non-matching lines. Using the value of 0 strips all matching lines.
- `--browser-view` | `--bv` (*boolean*)
  - Opens the diffs between two given files in browser.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.

Default value: 443

- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Compare the contents of the USS file "/u/user/test.txt" and "/u/user/test.txt":
  - `zowe zos-files compare uss-files "/u/user/test.txt" "/u/user/test.txt"`
- Compare the contents of the USS file "/u/user/test.txt" and "/u/user/test.txt" without sequence numbers:
  - `zowe zos-files compare uss-files "/u/user/test.txt" "/u/user/test.txt" --no-seqnum`

## [zowe](#) › [zos-files](#) › [copy](#)

---

Copy a data set.

### [zowe](#) › [zos-files](#) › [copy](#) › [data-set](#)

Copy a data set/partitioned data set to another data set/partitioned data set.

## Usage

```
zowe zos-files copy data-set <fromDataSetName> <toDataSetName> [options]
```

## Positional Arguments

- `fromDataSetName` (*string*)
  - The name of the data set that you want to copy from
- `toDataSetName` (*string*)
  - The name of the data set that you want to copy to

## Options

- `--overwrite` | `-o` | `--ow` (*boolean*)
  - Specify this option as true if you wish to replace the entire target data set with the source data set. All members, even those with no naming overlap, will be overwritten
- `--replace` | `--rep` (*boolean*)
  - Specify this option as true if you wish to replace members with identical names in the target data set
- `--safe-replace` | `--safe-rep` | `--sr` (*boolean*)
  - Specify this option as true if you wish to replace members with identical names or the content of the target data set. This option will prompt to confirm.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.

Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true

- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)
 

Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Copy the data set named 'USER.FROM.SET' to the data set named 'USER.TO.SET':
  - `zowe zos-files copy data-set "USER.FROM.SET" "USER.TO.SET"`

- Copy the data set member named 'USER.FROM.SET(MEM1)' to the data set member named 'USER.TO.SET(MEM2)':
  - `zowe zos-files copy data-set "USER.FROM.SET(mem1)" "USER.TO.SET(mem2)"`
- Copy the data set named 'USER.FROM.SET' to the data set member named 'USER.TO.SET(MEM2)':
  - `zowe zos-files copy data-set "USER.FROM.SET" "USER.TO.SET(mem2)"`
- Copy the data set member named 'USER.FROM.SET(MEM1)' to the data set named 'USER.TO.SET':
  - `zowe zos-files copy data-set "USER.FROM.SET(mem1)" "USER.TO.SET"`
- Copy the data set named 'USER.FROM.SET' to the data set named 'USER.TO.SET' and replace members with identical names:
  - `zowe zos-files copy data-set "USER.FROM.SET" "USER.TO.SET" --replace`
- Copy the partitioned data set named 'TEST.PDS1' to the partitioned data set named 'TEST.PDS2':
  - `zowe zos-files copy data-set "USER.FROM.SET" "USER.TO.SET" --safe-replace`
- Copy the partitioned data set named 'USER.FROM.SET' to the partitioned data set named 'USER.FROM.SET' and overwrite the original contents:
  - `zowe zos-files copy data-set "USER.FROM.SET" "USER.TO.SET" --overwrite`

## [zowe](#) › [zos-files](#) › [copy](#) › [data-set-cross-lpar](#)

Copy a data set to another data set on a specified LPAR.

### Usage

```
zowe zos-files copy data-set-cross-lpar <fromDataSetName> <toDataSetName> [options]
```

### Positional Arguments

- `fromDataSetName` (*string*)
  - The name of the data set that you want to copy from
- `toDataSetName` (*string*)

- The name of the data set that you want to copy to. If the data set does not exist it will be allocated automatically

## Options

- `--replace` | `--rep` (*boolean*)
  - Specify this option as true if you wish to replace the target data set if it already exists.
- `--target-data-class` | `--tdc` (*string*)
  - The SMS data class to use for the allocation of the target data set.
- `--target-host` | `--th` (*string*)
  - The target z/OSMF server host name.
- `--target-management-class` | `--tmc` (*string*)
  - The SMS management class to use for the allocation of the target data set.
- `--target-password` | `--tpw` (*string*)
  - The target z/OSMF password, which can be the same as your TSO password.
- `--target-port` | `--tp` (*number*)
  - The target z/OSMF server port.
- `--target-storage-class` | `--tsc` (*string*)
  - The SMS storage class to use for the allocation of the target data set.
- `--target-token-type` | `--ttt` (*string*)
  - The value of the token to pass to the API for the target system.
- `--target-token-value` | `--ttv` (*string*)
  - The type of token to get and use for the API for the target system.
- `--target-user` | `--tu` (*string*)
  - The target z/OSMF user name, which can be the same as your TSO login.
- `--target-volume-serial` | `--tvs` | `--target-volser` (*string*)
  - The volume serial (VOLSER) on which you want the target data set to be placed.

- `--target-zosmf-profile` | `--t-zosmf-p` | `--target-zosmf-p` (*string*)
  - The name of a z/OSMF profile to load for the target host.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.

Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Copy the data set named 'USER.FROM.SET' to the data set named 'USER.TO.SET' using the `--target-zosmf-p` option to specify the target host using a zosmf profile:
  - `zowe zos-files copy data-set-cross-lpar "USER.FROM.SET" "USER.TO.SET" --target-zosmf-p SYS1`
- Copy the data set member named 'USER.FROM.SET(MEM1)' to the data set member named 'USER.TO.SET(MEM2)':
  - `zowe zos-files copy data-set-cross-lpar "USER.FROM.SET(mem1)" "USER.TO.SET(mem2)" --target-zosmf-p SYS1`

- Copy the data set named 'USER.FROM.SET' to the data set member named 'USER.TO.SET(MEM2)':
  - `zowe zos-files copy data-set-cross-lpar "USER.FROM.SET" "USER.TO.SET(mem2)" --target-zosmf-p SYS1`
- Copy the data set member named 'USER.FROM.SET(MEM1)' to the data set named 'USER.TO.SET' using the --target-host, --target-user, and --target-password options:
  - `zowe zos-files copy data-set-cross-lpar "USER.FROM.SET(mem1)" "USER.TO.SET" --target-host sys1.com --target-user user1 --target-password pass1`

## [zowe](#) › [zos-files](#) › [create](#)

---

Create data sets.

### [zowe](#) › [zos-files](#) › [create](#) › [data-set](#)

Create data sets based on the properties of an existing data set.

#### Usage

```
zowe zos-files create data-set <dataSetName> [options]
```

#### Positional Arguments

- `dataSetName` (*string*)
  - The name of the data set that you want to create

#### Options

- `--attributes` | `-a` (*boolean*)
  - Show the full allocation attributes
- `--block-size` | `--bs` | `--blksize` (*number*)
  - The block size for the data set (for example, 6160)
- `--data-class` | `--dc` (*string*)
  - The SMS data class to use for the allocation
- `--data-set-type` | `--dst` | `--dsntype` (*string*)

- The data set type (BASIC, EXTPREF, EXTREQ, HFS, LARGE, PDS, LIBRARY, PIPE)
- `--device-type` | `--dt` | `--unit` (*string*)
  - The device type, also known as 'unit'
- `--directory-blocks` | `--db` | `--dirblks` (*number*)
  - The number of directory blocks (for example, 25)
- `--like` | `--lk` (*string*)
  - Name of an existing data set to base your new data set's properties on
- `--management-class` | `--mc` (*string*)
  - The SMS management class to use for the allocation
- `--primary-space` | `--ps` (*number*)
  - The primary space allocation (for example, 5)
- `--record-format` | `--rf` | `--recfm` (*string*)
  - The record format for the data set (for example, FB for "Fixed Block")
- `--record-length` | `--rl` | `--lrecl` (*number*)
  - The logical record length. Analogous to the length of a line (for example, 80)
- `--secondary-space` | `--ss` (*number*)
  - The secondary space allocation (for example, 1)
- `--size` | `--sz` (*string*)
  - The size of the data set (specified as nCYL or nTRK - where n is the number of cylinders or tracks). Sets the primary allocation (the secondary allocation becomes ~10% of the primary).
- `--storage-class` | `--sc` (*string*)
  - The SMS storage class to use for the allocation
- `--volume-serial` | `--vs` | `--volser` (*string*)
  - The volume serial (VOLSER) on which you want the data set to be placed. A VOLSER is analogous to a drive name on a PC.

- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
  
Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)

- The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Create a data set with default parameters and like flag:
  - `zowe zos-files create data-set NEW.DATASET --like EXISTING.DATASET`
- Create a data set with default parameters and like flag and lrecl flag:
  - `zowe zos-files create data-set NEW.DATASET --like EXISTING.DATASET --lrecl 1024`
- Create a data set with type LIBRARY:
  - `zowe zos-files create data-set NEW.DATASET --data-set-type LIBRARY`

## [zowe](#) › [zos-files](#) › [create](#) › [data-set-binary](#)

Create executable data sets.

## Usage

zowe zos-files create data-set-binary <dataSetName> [options]

## Positional Arguments

- `dataSetName` (*string*)
  - The name of the data set that you want to create

## Options

- `--attributes` | `-a` (*boolean*)
  - Show the full allocation attributes
- `--block-size` | `--bs` | `--blksize` (*number*)
  - The block size for the data set (for example, 6160)  
Default value: 27998
- `--data-class` | `--dc` (*string*)
  - The SMS data class to use for the allocation
- `--data-set-type` | `--dst` | `--dsntype` (*string*)
  - The data set type (BASIC, EXTPREF, EXTREQ, HFS, LARGE, PDS, LIBRARY, PIPE)
- `--device-type` | `--dt` | `--unit` (*string*)
  - The device type, also known as 'unit'
- `--directory-blocks` | `--db` | `--dirblks` (*number*)
  - The number of directory blocks (for example, 25)  
Default value: 25
- `--management-class` | `--mc` (*string*)
  - The SMS management class to use for the allocation
- `--primary-space` | `--ps` (*number*)
  - The primary space allocation (for example, 5)  
Default value: 10

- `--record-format` | `--rf` | `--recfm` (*string*)
  - The record format for the data set (for example, FB for "Fixed Block")
  - Default value: U
- `--record-length` | `--rl` | `--lrecl` (*number*)
  - The logical record length. Analogous to the length of a line (for example, 80)
  - Default value: 27998
- `--secondary-space` | `--ss` (*number*)
  - The secondary space allocation (for example, 1)
- `--size` | `--sz` (*string*)
  - The size of the data set (specified as nCYL or nTRK - where n is the number of cylinders or tracks). Sets the primary allocation (the secondary allocation becomes ~10% of the primary).
- `--storage-class` | `--sc` (*string*)
  - The SMS storage class to use for the allocation
- `--volume-serial` | `--vs` | `--volser` (*string*)
  - The volume serial (VOLSER) on which you want the data set to be placed. A VOLSER is analogous to a drive name on a PC.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.

Default value: 443

- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true

- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Create an empty binary partitioned data set (PDS) with default parameters:
  - `zowe zos-files create data-set-binary NEW.BINARY.DATASET`
- Create an empty binary PDSE using data set type LIBRARY:
  - `zowe zos-files create data-set-binary NEW.BINARY.DATASET --data-set-type LIBRARY`

## [zowe](#) › [zos-files](#) › [create](#) › [data-set-c](#)

Create data sets for C code programming.

## Usage

```
zowe zos-files create data-set-c <dataSetName> [options]
```

## Positional Arguments

- `dataSetName` (*string*)
  - The name of the data set that you want to create

## Options

- `--attributes` | `-a` (*boolean*)
  - Show the full allocation attributes
- `--block-size` | `--bs` | `--blksize` (*number*)
  - The block size for the data set (for example, 6160)

Default value: 32760

- `--data-class` | `--dc` (*string*)
  - The SMS data class to use for the allocation
- `--data-set-type` | `--dst` | `--dsntype` (*string*)
  - The data set type (BASIC, EXTPREF, EXTREQ, HFS, LARGE, PDS, LIBRARY, PIPE)
- `--device-type` | `--dt` | `--unit` (*string*)
  - The device type, also known as 'unit'
- `--directory-blocks` | `--db` | `--dirblks` (*number*)
  - The number of directory blocks (for example, 25)  
Default value: 25
- `--management-class` | `--mc` (*string*)
  - The SMS management class to use for the allocation
- `--primary-space` | `--ps` (*number*)
  - The primary space allocation (for example, 5)  
Default value: 1
- `--record-format` | `--rf` | `--recfm` (*string*)
  - The record format for the data set (for example, FB for "Fixed Block")  
Default value: VB
- `--record-length` | `--rl` | `--lrecl` (*number*)
  - The logical record length. Analogous to the length of a line (for example, 80)  
Default value: 260
- `--secondary-space` | `--ss` (*number*)
  - The secondary space allocation (for example, 1)
- `--size` | `--sz` (*string*)
  - The size of the data set (specified as nCYL or nTRK - where n is the number of cylinders or tracks). Sets the primary allocation (the secondary allocation becomes ~10% of the

primary).

- `--storage-class` | `--sc` (*string*)
  - The SMS storage class to use for the allocation
- `--volume-serial` | `--vs` | `--volser` (*string*)
  - The volume serial (VOLSER) on which you want the data set to be placed. A VOLSER is analogous to a drive name on a PC.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

### Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this

option if you are not using an API mediation layer.

- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
  
Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Create an empty C code PDS with default parameters:
  - `zowe zos-files create data-set-c NEW.CCODE.DATASET`
- Create an empty C code PDSE using data set type LIBRARY:
  - `zowe zos-files create data-set-c NEW.CCODE.DATASET --data-set-type LIBRARY`

## [zowe](#) › [zos-files](#) › [create](#) › [data-set-classic](#)

Create classic data sets (JCL, HLASM, CBL, etc...).

### Usage

```
zowe zos-files create data-set-classic <dataSetName> [options]
```

### Positional Arguments

- `dataSetName` (*string*)
  - The name of the data set that you want to create

### Options

- `--attributes` | `-a` (*boolean*)
  - Show the full allocation attributes
- `--block-size` | `--bs` | `--blksize` (*number*)
  - The block size for the data set (for example, 6160)  
  
Default value: 6160
- `--data-class` | `--dc` (*string*)
  - The SMS data class to use for the allocation
- `--data-set-type` | `--dst` | `--dsntype` (*string*)
  - The data set type (BASIC, EXTPREF, EXTREQ, HFS, LARGE, PDS, LIBRARY, PIPE)
- `--device-type` | `--dt` | `--unit` (*string*)
  - The device type, also known as 'unit'
- `--directory-blocks` | `--db` | `--dirblks` (*number*)
  - The number of directory blocks (for example, 25)  
  
Default value: 25
- `--management-class` | `--mc` (*string*)
  - The SMS management class to use for the allocation

- `--primary-space` | `--ps` (*number*)
  - The primary space allocation (for example, 5)
  - Default value: 1
- `--record-format` | `--rf` | `--recfm` (*string*)
  - The record format for the data set (for example, FB for "Fixed Block")
  - Default value: FB
- `--record-length` | `--rl` | `--lrecl` (*number*)
  - The logical record length. Analogous to the length of a line (for example, 80)
  - Default value: 80
- `--secondary-space` | `--ss` (*number*)
  - The secondary space allocation (for example, 1)
- `--size` | `--sz` (*string*)
  - The size of the data set (specified as nCYL or nTRK - where n is the number of cylinders or tracks). Sets the primary allocation (the secondary allocation becomes ~10% of the primary).
- `--storage-class` | `--sc` (*string*)
  - The SMS storage class to use for the allocation
- `--volume-serial` | `--vs` | `--volser` (*string*)
  - The volume serial (VOLSER) on which you want the data set to be placed. A VOLSER is analogous to a drive name on a PC.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)

- The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.
  - Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.
  - Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)
  - Default value: https
  - Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)

- The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Create an empty z/OS 'classic' PDS with default parameters:
  - `zowe zos-files create data-set-classic NEW.CLASSIC.DATASET`
- Create an empty z/OS 'classic' PDSE using data set type LIBRARY:
  - `zowe zos-files create data-set-classic NEW.CLASSIC.DATASET --data-set-type LIBRARY`

## [zowe](#) › [zos-files](#) › [create](#) › [data-set-partitioned](#)

Create partitioned data sets (PDS).

### Usage

```
zowe zos-files create data-set-partitioned <dataSetName> [options]
```

### Positional Arguments

- `dataSetName` (*string*)
  - The name of the data set that you want to create

### Options

- `--allocation-space-unit` | `--asu` (*string*)

- The allocation unit (for example, CYL for Cylinders)

Default value: CYL

- `--attributes` | `-a` (*boolean*)

- Show the full allocation attributes

- `--block-size` | `--bs` | `--blksize` (*number*)

- The block size for the data set (for example, 6160)

Default value: 6160

- `--data-class` | `--dc` (*string*)

- The SMS data class to use for the allocation

- `--data-set-type` | `--dst` | `--dsntype` (*string*)

- The data set type (BASIC, EXTPREF, EXTREQ, HFS, LARGE, PDS, LIBRARY, PIPE)

- `--device-type` | `--dt` | `--unit` (*string*)

- The device type, also known as 'unit'

- `--directory-blocks` | `--db` | `--dirblks` (*number*)

- The number of directory blocks (for example, 25)

Default value: 5

- `--management-class` | `--mc` (*string*)

- The SMS management class to use for the allocation

- `--primary-space` | `--ps` (*number*)

- The primary space allocation (for example, 5)

Default value: 1

- `--record-format` | `--rf` | `--recfm` (*string*)

- The record format for the data set (for example, FB for "Fixed Block")

Default value: FB

- `--record-length` | `--rl` | `--lrecl` (*number*)
  - The logical record length. Analogous to the length of a line (for example, 80)
  - Default value: 80
- `--secondary-space` | `--ss` (*number*)
  - The secondary space allocation (for example, 1)
- `--size` | `--sz` (*string*)
  - The size of the data set (specified as nCYL or nTRK - where n is the number of cylinders or tracks). Sets the primary allocation (the secondary allocation becomes ~10% of the primary).
- `--storage-class` | `--sc` (*string*)
  - The SMS storage class to use for the allocation
- `--volume-serial` | `--vs` | `--volser` (*string*)
  - The volume serial (VOLSER) on which you want the data set to be placed. A VOLSER is analogous to a drive name on a PC.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.
  - Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.

- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Create an empty PDS with default parameters:
  - `zowe zos-files create data-set-partitioned NEW.PDS.DATASET`
- Create an empty PDSE using data set type LIBRARY:
  - `zowe zos-files create data-set-partitioned NEW.PDSE.DATASET --data-set-type LIBRARY`

## [zowe](#) › [zos-files](#) › [create](#) › [data-set-sequential](#)

Create physical sequential data sets (PS).

## Usage

```
zowe zos-files create data-set-sequential <dataSetName> [options]
```

## Positional Arguments

- `dataSetName` (*string*)
  - The name of the data set that you want to create

## Options

- `--attributes` | `-a` (*boolean*)
  - Show the full allocation attributes
- `--block-size` | `--bs` | `--blksize` (*number*)
  - The block size for the data set (for example, 6160)  
  
Default value: 6160
- `--data-class` | `--dc` (*string*)
  - The SMS data class to use for the allocation
- `--data-set-type` | `--dst` | `--dsntype` (*string*)

- The data set type (BASIC, EXTPREF, EXTREQ, HFS, LARGE, PDS, LIBRARY, PIPE)
- `--device-type` | `--dt` | `--unit` (*string*)
  - The device type, also known as 'unit'
- `--directory-blocks` | `--db` | `--dirblks` (*number*)
  - The number of directory blocks (for example, 25)
- `--management-class` | `--mc` (*string*)
  - The SMS management class to use for the allocation
- `--primary-space` | `--ps` (*number*)
  - The primary space allocation (for example, 5)  
  
Default value: 1
- `--record-format` | `--rf` | `--recfm` (*string*)
  - The record format for the data set (for example, FB for "Fixed Block")  
  
Default value: FB
- `--record-length` | `--rl` | `--lrecl` (*number*)
  - The logical record length. Analogous to the length of a line (for example, 80)  
  
Default value: 80
- `--secondary-space` | `--ss` (*number*)
  - The secondary space allocation (for example, 1)
- `--size` | `--sz` (*string*)
  - The size of the data set (specified as nCYL or nTRK - where n is the number of cylinders or tracks). Sets the primary allocation (the secondary allocation becomes ~10% of the primary).
- `--storage-class` | `--sc` (*string*)
  - The SMS storage class to use for the allocation
- `--volume-serial` | `--vs` | `--volser` (*string*)

- The volume serial (VOLSER) on which you want the data set to be placed. A VOLSER is analogous to a drive name on a PC.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
Default value: https  
Allowed values: http, https

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Create an empty physical sequential data set with default parameters:
  - `zowe zos-files create data-set-sequential NEW.PS.DATASET`
- Create a LARGE format sequential data set with default parameters:
  - `zowe zos-files create data-set-sequential --data-set-type LARGE```

## [zowe](#) › [zos-files](#) › [create](#) › [data-set-vsam](#)

Create a VSAM cluster.

## Usage

```
zowe zos-files create data-set-vsam <dataSetName> [options]
```

## Positional Arguments

- `dataSetName` (*string*)
  - The name of the data set in which to create a VSAM cluster

## Options

- `--attributes` | `-a` (*boolean*)
  - Show the full allocation attributes
- `--data-class` | `--dc` (*string*)
  - The SMS data class to use for the allocation
- `--data-set-organization` | `--dso` | `--dsorg` (*string*)
  - The data set organization.  
  
Default value: INDEXED  
Allowed values: INDEXED, IXD, LINEAR, LIN, NONINDEXED, NIXD, NUMBERED, NUMD, ZFS
- `--management-class` | `--mc` (*string*)
  - The SMS management class to use for the allocation
- `--retain-for` | `--rf` (*number*)
  - The number of days that the VSAM cluster will be retained on the system. You can delete the cluster at any time when neither retain-for nor retain-to is specified.
- `--retain-to` | `--rt` (*string*)
  - The earliest date that a command without the PURGE parameter can delete an entry. Specify the expiration date in the form yyyyddd, where yyyy is a four-digit year (maximum value: 2155) and ddd is the three-digit day of the year from 001 through 365 (for non-leap years) or 366 (for leap years). You can delete the cluster at any time when neither retain-for nor retain-to is used. You cannot specify both the 'retain-to' and 'retain-for' options.
- `--secondary-space` | `--ss` (*number*)
  - The number of items for the secondary space allocation (for example, 840). The type of item allocated is the same as the type used for the '--size' option. If you do not specify a secondary allocation, a value of ~10% of the primary allocation is used.

- `--size` | `--sz` (*string*)
  - The primary size to allocate for the VSAM cluster. Specify size as the number of items to allocate (nitems). You specify the type of item by keyword.  
  
Default value: 840KB
- `--storage-class` | `--sc` (*string*)
  - The SMS storage class to use for the allocation
- `--volumes` | `-v` (*string*)
  - The storage volumes on which to allocate a VSAM cluster. Specify a single volume by its volume serial (VOLSER). To specify more than one volume, enclose the option in double-quotes and separate each VOLSER with a space. You must specify the volumes option when your cluster is not SMS-managed.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true

- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Create a VSAM data set named "SOME.DATA.SET.NAME" using default values of INDEXED, 840 KB primary storage and 84 KB secondary storage:
  - `zowe zos-files create data-set-vsam SOME.DATA.SET.NAME`
- Create a 5 MB LINEAR VSAM data set named "SOME.DATA.SET.NAME" with 1 MB of secondary space. Show the properties of the data set when it is created:
  - `zowe zos-files create data-set-vsam SOME.DATA.SET.NAME --data-set-organization LINEAR --size 5MB --secondary-space 1 --attributes`
- Create a VSAM data set named "SOME.DATA.SET.NAME", which is retained for 100 days:
  - `zowe zos-files create data-set-vsam SOME.DATA.SET.NAME --retain-for 100`

## [zowe](#) › [zos-files](#) › [create](#) › [uss-directory](#)

Create a UNIX directory.

### Usage

```
zowe zos-files create uss-directory <ussPath> [options]
```

### Positional Arguments

- `ussPath` (*string*)
  - The name of the directory that you want to create.

### Options

- `--mode` | `-m` (*string*)
  - Specifies the file permission bits to use when creating the directory.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

### Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.

- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Create a USS directory named "testDir" :
  - `zowe zos-files create uss-directory testDir`
- Create a USS directory named "testDir" with mode "rwxrwxrwx" :
  - `zowe zos-files create uss-directory testDir -m rwxrwxrwx`

## [zowe](#) › [zos-files](#) › [create](#) › [uss-file](#)

Create a UNIX file.

## Usage

```
zowe zos-files create uss-file <ussPath> [options]
```

## Positional Arguments

- `ussPath` (*string*)
  - The name of the file that you want to create.

## Options

- `--mode` | `-m` (*string*)
  - Specifies the file permission bits to use when creating the file.
- `--response-timeout` | `--rto` (*number*)

- The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Create a USS file named "test.ext" :
  - `zowe zos-files create uss-file text.txt`
- Create a USS file named "text.txt" with mode "rwxrwxrwx" :
  - `zowe zos-files create uss-file text.txt -m rwxrwxrwx`

## [zowe](#) › [zos-files](#) › [create](#) › [zos-file-system](#)

Create a z/OS file system.

### Usage

```
zowe zos-files create zos-file-system <fileSystemName> [options]
```

### Positional Arguments

- `fileSystemName` (*string*)

- The name of the file system to create.

## Options

- `--cyls-pri` | `--cp` (*number*)
  - The number of primary cylinders to allocate for the ZFS.
  - Default value: 10
- `--cyls-sec` | `--cs` (*number*)
  - The number of secondary cylinders to allocate for the ZFS.
  - Default value: 2
- `--data-class` | `--dc` (*string*)
  - The SMS data class to use for the allocation
- `--group` | `-g` (*string*)
  - The z/OS group ID or GID for the group of the ZFS root directory.
- `--management-class` | `--mc` (*string*)
  - The SMS management class to use for the allocation
- `--owner` | `-o` (*string*)
  - The z/OS user ID or UID for the owner of the ZFS root directory.
- `--perms` | `-p` (*number*)
  - The permissions code for the ZFS root directory.
  - Default value: 755
- `--storage-class` | `--sc` (*string*)
  - The SMS storage class to use for the allocation
- `--timeout` | `-t` (*number*)
  - The number of seconds to wait for the underlying "zfsadm format" command to complete. If this command times out, the ZFS may have been created but not formatted correctly.
  - Default value: 20

- `--volumes` | `-v` (*array*)
  - The storage volumes on which to allocate the z/OS file system. Specify a single volume by its volume serial (VOLSER). To specify more than one volume, separate each VOLSER with a space. You must specify the volumes option when your cluster is not SMS-managed.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)

- The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Create a ZFS named "HLQ.MYNEW.ZFS" using default values of 755 permissions, 10 primary and 2 secondary cylinders allocated, and a timeout of 20 seconds:
  - `zowe zos-files create zos-file-system HLQ.MYNEW.ZFS`
- Create a ZFS with 100 primary and 10 secondary cylinders allocated:
  - `zowe zos-files create zos-file-system HLQ.MYNEW.ZFS --cp 100 --cs 10`
- Create a ZFS specifying the volumes that should be used:

- `zowe zos-files create zos-file-system HLQ.MYNEW.ZFS -v ZFS001 ZFS002`

## [zowe](#) › [zos-files](#) › [delete](#)

---

Delete a data set or Unix System Services file.

### [zowe](#) › [zos-files](#) › [delete](#) › [data-set](#)

Delete a data set or data set member permanently.

#### Usage

```
zowe zos-files delete data-set <dataSetName> [options]
```

#### Positional Arguments

- `dataSetName` (*string*)
  - The name of the data set that you want to delete

#### Required Options

- `--for-sure` | `-f` (*boolean*)
  - Specify this option to confirm that you want to delete the data set permanently.

#### Options

- `--ignore-not-found` | `-i` | `--inf` (*boolean*)
  - Suppress errors if the data set does not exist.
- `--volume` | `--vol` (*string*)
  - The volume serial (VOLSER) where the data set resides. The option is required only when the data set is not catalogued on the system.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

#### Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.

Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Delete the data set named 'ibmuser.cntl':
  - `zowe zos-files delete data-set "ibmuser.cntl" -f`
- Delete the data set member named 'ibmuser.cntl(mem)':
  - `zowe zos-files delete data-set "ibmuser.cntl(mem)" -f`
- Quietly delete a data set, suppressing errors if it doesn't exist:
  - `zowe zos-files delete data-set "ibmuser.cntl(mem)" -fi`

## [zowe](#) › [zos-files](#) › [delete](#) › [data-set-vsam](#)

Delete a VSAM cluster permanently.

### Usage

```
zowe zos-files delete data-set-vsam <dataSetName> [options]
```

### Positional Arguments

- `dataSetName` (*string*)
  - The name of the VSAM cluster that you want to delete

## Options

- `--erase` | `-e` (*boolean*)
  - Specify this option to overwrite the data component for the cluster with binary zeros. This option is ignored if the NOERASE attribute was specified when the cluster was defined or altered.  
  
Default value: false
- `--ignore-not-found` | `-i` | `--inf` (*boolean*)
  - Suppress errors if the VSAM data set does not exist.
- `--purge` | `-p` (*boolean*)
  - Specify this option to delete the VSAM cluster regardless of its retention period or date.  
  
Default value: false
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Required Options

- `--for-sure` | `-f` (*boolean*)
  - Specify this option to confirm that you want to delete the VSAM cluster permanently.

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.

- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Delete the VSAM data set named 'ibmuser.cntl.vsam':
  - `zowe zos-files delete data-set-vsam "ibmuser.cntl.vsam" -f`
- Quietly delete all VSAM data sets that match 'ibmuser.AAA.\*\*.FFF' ignoring not-found errors:
  - `zowe zos-files delete data-set-vsam "ibmuser.AAA.**.FFF" -f`
- Delete a non-expired VSAM data set named 'ibmuser.cntl.vsam':
  - `zowe zos-files delete data-set-vsam "ibmuser.cntl.vsam" -f --purge`
- Delete an expired VSAM data set named 'ibmuser.cntl.vsam' by overwriting the components with zeros:
  - `zowe zos-files delete data-set-vsam "ibmuser.cntl.vsam" -f --erase`
- Quietly delete all VSAM data sets that match 'ibmuser.AAA.\*\*.FFF' ignoring not-found errors:
  - `zowe zos-files delete data-set-vsam "ibmuser.cntl.vsam" -fi`

## [zowe](#) › [zos-files](#) › [delete](#) › [migrated-data-set](#)

Delete migrated data sets.

### Usage

```
zowe zos-files delete migrated-data-set <dataSetName> [options]
```

### Positional Arguments

- `dataSetName` (*string*)
  - The name of the migrated data set you want to delete.

### Options

- `--wait` | `-w` (*boolean*)
  - If true then the function waits for completion of the request. If false (default) the request is queued.

Default value: false

- `--purge` | `-p` (*boolean*)

- If true then the function uses the PURGE=YES on ARCHDEL request. If false (default) the function uses the PURGE=NO on ARCHDEL request.

Default value: false

- `--response-timeout` | `--rto` (*number*)

- The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)

- The z/OSMF server host name.

- `--port` | `-P` (*number*)

- The z/OSMF server port.

Default value: 443

- `--user` | `-u` (*string*)

- Mainframe (z/OSMF) user name, which can be the same as your TSO login.

- `--password` | `--pass` | `--pw` (*string*)

- Mainframe (z/OSMF) password, which can be the same as your TSO password.

- `--reject-unauthorized` | `--ru` (*boolean*)

- Reject self-signed certificates.

Default value: true

- `--base-path` | `--bp` (*string*)

- The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.

- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)
  - Default value: `https`
  - Allowed values: `http`, `https`
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Delete a migrated data set using default options:
  - `zowe zos-files delete migrated-data-set "USER.DATA.SET"`

## [zowe](#) › [zos-files](#) › [delete](#) › [uss-file](#)

Delete a Unix Systems Services (USS) file or directory permanently.

## Usage

zowe zos-files delete uss-file <fileName> [options]

## Positional Arguments

- `fileName` (*string*)
  - The name of the file or directory that you want to delete

## Required Options

- `--for-sure` | `-f` (*boolean*)
  - Specify this option to confirm that you want to delete the file or directory permanently.

## Options

- `--recursive` | `-r` (*boolean*)
  - Delete directories recursively.
- `--ignore-not-found` | `-i` | `--inf` (*boolean*)
  - Suppress errors if the file does not exist.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)

- Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)

- The value of the token to pass to the API.

## Examples

- Delete the empty directory '/u/ibmuser/testcases':
  - `zowe zos-files delete uss-file "/a/ibmuser/testcases" -f`
- Delete the file named '/a/ibmuser/my\_text.txt':
  - `zowe zos-files delete uss-file "/a/ibmuser/testcases/my_text.txt" -f`
- Recursively delete the directory named '/u/ibmuser/testcases':
  - `zowe zos-files delete uss-file "/a/ibmuser/testcases" -rf`
- Quietly delete a file, suppressing errors if the file doesn't exist:
  - `zowe zos-files delete uss-file "/a/ibmuser/testcases" -fi`

## [zowe](#) › [zos-files](#) › [delete](#) › [zos-file-system](#)

Delete a z/OS file system permanently.

### Usage

```
zowe zos-files delete zos-file-system <fileSystemName> [options]
```

### Positional Arguments

- `fileSystemName` (*string*)
  - The name of the z/OS file system that you want to delete.

### Required Options

- `--for-sure` | `-f` (*boolean*)
  - Specify this option to confirm that you want to delete the ZFS permanently.

### Options

- `--ignore-not-found` | `-i` | `--inf` (*boolean*)
  - Suppress errors if the z/OS file does not exist.
- `--response-timeout` | `--rto` (*number*)

- The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Delete the z/OS file system 'HLQ.MYNEW.ZFS':
  - `zowe zos-files delete zos-file-system "HLQ.MYNEW.ZFS" -f`
- Quietly delete a z/OS file, suppressing errors if the file doesn't exist:
  - `zowe zos-files delete zos-file-system "HLQ.MYNEW.ZFS" -fi`

## [zowe](#) › [zos-files](#) › [download](#)

---

Download content from z/OS data sets and USS files to your PC.

## [zowe](#) › [zos-files](#) › [download](#) › [all-members](#)

Download all members from a partitioned data set to a local folder.

## Usage

`zowe zos-files download all-members <dataSetName> [options]`

## Positional Arguments

- `dataSetName` (*string*)
  - The name of the data set from which you want to download members

## Options

- `--binary` | `-b` (*boolean*)
  - Download the file content in binary mode, which means that no data conversion is performed. The data transfer process returns each line as-is, without translation. No delimiters are added between records.
- `--directory` | `-d` (*string*)
  - The directory to where you want to save the members. The command creates the directory for you when it does not already exist. By default, the command creates a folder structure based on the data set qualifiers. For example, the data set `ibmuser.new.cntl`'s members are downloaded to `ibmuser/new/cntl`.
- `--encoding` | `--ec` (*string*)
  - Download the file content with encoding mode, which means that data conversion is performed using the file encoding specified.
- `--extension` | `-e` (*string*)
  - Save the local files with a specified file extension. For example, `.txt`. Or `""` for no extension. When no extension is specified, `.txt` is used as the default file extension.
- `--fail-fast` | `--ff` (*boolean*)
  - Set this option to false to continue downloading data set members if one or more fail.  
  
Default value: true
- `--max-concurrent-requests` | `--mcr` (*number*)
  - Specifies the maximum number of concurrent z/OSMF REST API requests to download members. Increasing the value results in faster downloads. However, increasing the value increases resource consumption on z/OS and can be prone to errors caused by making too many concurrent requests. If the download process encounters an error, the following message displays:  
  
The maximum number of TSO address spaces have been created. When you specify 0,

Zowe CLI attempts to download all members at once without a maximum number of concurrent requests.

Default value: 1

- `--preserve-original-letter-case` | `--po` (*boolean*)
  - Specifies if the automatically generated directories and files use the original letter case.

Default value: false

- `--record` | `-r` (*boolean*)
  - Download the file content in record mode, which means that no data conversion is performed and the record length is prepended to the data. The data transfer process returns each line as-is, without translation. No delimiters are added between records. Conflicts with binary.
- `--volume-serial` | `--vs` (*string*)
  - The volume serial (VOLSER) where the data set resides. You can use this option at any time. However, the VOLSER is required only when the data set is not cataloged on the system. A VOLSER is analogous to a drive name on a PC.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.

Default value: 443

- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.

- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Download the members of the data set "ibmuser.loadlib" in binary mode to the directory "loadlib":
  - `zowe zos-files download all-members "ibmuser.loadlib" -b -d loadlib`
- Download the members of the data set "ibmuser.cntl" in text mode to the directory "jcl":
  - `zowe zos-files download all-members "ibmuser.cntl" -d jcl`

## [zowe](#) › [zos-files](#) › [download](#) › [all-members-matching](#)

Download all members that match a specific pattern from a partitioned data set to a local folder.

## Usage

```
zowe zos-files download all-members-matching <dataSetName> <pattern> [options]
```

## Positional Arguments

- `dataSetName` (*string*)
  - The name of the data set from which you want to download members
- `pattern` (*string*)
  - The pattern or patterns to match members against. Also known as 'DSLEVEL'. The following special sequences can be used in the pattern:
    - %: matches any single character
    - \*: matches any number of characters within a memberYou can specify multiple patterns separated by commas, for example "Mem\*, Test\*"

## Options

- `--binary` | `-b` (*boolean*)
  - Download the file content in binary mode, which means that no data conversion is performed. The data transfer process returns each line as-is, without translation. No delimiters are added between records.
- `--directory` | `-d` (*string*)

- The directory to where you want to save the members. The command creates the directory for you when it does not already exist. By default, the command creates a folder structure based on the data set qualifiers. For example, the data set `ibmuser.new.cntl`'s members are downloaded to `ibmuser/new/cntl`.
- `--encoding` | `--ec` (*string*)
  - Download the file content with encoding mode, which means that data conversion is performed using the file encoding specified.
- `--exclude-patterns` | `--ep` (*string*)
  - Exclude data sets that match these DSLEVEL patterns. Any data sets that match this pattern will not be downloaded.
- `--extension` | `-e` (*string*)
  - Save the local files with a specified file extension. For example, `.txt`. Or `""` for no extension. When no extension is specified, `.txt` is used as the default file extension.
- `--fail-fast` | `--ff` (*boolean*)
  - Set this option to false to continue downloading data set members if one or more fail.  
  
Default value: true
- `--max-concurrent-requests` | `--mcr` (*number*)
  - Specifies the maximum number of concurrent z/OSMF REST API requests to download members. Increasing the value results in faster downloads. However, increasing the value increases resource consumption on z/OS and can be prone to errors caused by making too many concurrent requests. If the download process encounters an error, the following message displays:  
  
The maximum number of TSO address spaces have been created. When you specify 0, Zowe CLI attempts to download all members at once without a maximum number of concurrent requests.  
  
Default value: 1
- `--preserve-original-letter-case` | `--po` (*boolean*)
  - Specifies if the automatically generated directories and files use the original letter case.  
  
Default value: false
- `--record` | `-r` (*boolean*)

- Download the file content in record mode, which means that no data conversion is performed and the record length is prepended to the data. The data transfer process returns each line as-is, without translation. No delimiters are added between records. Conflicts with binary.
- `--volume-serial` | `--vs` (*string*)
  - The volume serial (VOLSER) where the data set resides. You can use this option at any time. However, the VOLSER is required only when the data set is not cataloged on the system. A VOLSER is analogous to a drive name on a PC.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.
  - Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.
  - Default value: true
- `--base-path` | `--bp` (*string*)

- The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
  
Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Download the members of the data set "ibmuser.loadlib" that begin with "Test" to the directory "loadlib/":

- `zowe zos-files download all-members-matching "ibmuser.loadlib" "Test*" -d loadlib`
- Download the members of the data set "ibmuser.cntl" that begin with "Test" & "M" to the directory "output", and exclude members that begin with "M2":
  - `zowe zos-files download all-members-matching "ibmuser.cntl" "test*,M*" --exclude-patterns "M2*" -d output`

## [zowe](#) › [zos-files](#) › [download](#) › [data-set](#)

Download content from a z/OS data set to a local file.

### Usage

```
zowe zos-files download data-set <dataSetName> [options]
```

### Positional Arguments

- `dataSetName` (*string*)
  - The name of the data set that you want to download

### Options

- `--binary` | `-b` (*boolean*)
  - Download the file content in binary mode, which means that no data conversion is performed. The data transfer process returns each line as-is, without translation. No delimiters are added between records.
- `--encoding` | `--ec` (*string*)
  - Download the file content with encoding mode, which means that data conversion is performed using the file encoding specified.
- `--extension` | `-e` (*string*)
  - Save the local files with a specified file extension. For example, `.txt`. Or `""` for no extension. When no extension is specified, `.txt` is used as the default file extension.
- `--file` | `-f` (*string*)

- The path to the local file where you want to download the content. When you omit the option, the command generates a file name automatically for you.
- `--preserve-original-letter-case` | `--po` (*boolean*)
  - Specifies if the automatically generated directories and files use the original letter case.

Default value: false
- `--record` | `-r` (*boolean*)
  - Download the file content in record mode, which means that no data conversion is performed and the record length is prepended to the data. The data transfer process returns each line as-is, without translation. No delimiters are added between records. Conflicts with binary.
- `--volume-serial` | `--vs` (*string*)
  - The volume serial (VOLSER) where the data set resides. You can use this option at any time. However, the VOLSER is required only when the data set is not cataloged on the system. A VOLSER is analogous to a drive name on a PC.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.

Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)

- Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)

- The value of the token to pass to the API.

## Examples

- Download the data set "ibmuser.loadlib(main)" in binary mode to the local file "main.obj":
  - `zowe zos-files download data-set "ibmuser.loadlib(main)" -b -f main.obj`

## [zowe](#) › [zos-files](#) › [download](#) › [data-sets-matching](#)

Download all data sets that match a DSLEVEL pattern (see help below). You can use several options to qualify which data sets will be skipped and how the downloaded files will be structured. Data sets that are neither physical sequential nor partitioned data sets (with members) will be excluded.

## Usage

```
zowe zos-files download data-sets-matching <pattern> [options]
```

## Positional Arguments

- `pattern` (*string*)
  - The pattern or patterns to match data sets against. Also known as 'DSLEVEL'. The following special sequences can be used in the pattern:
    - %: matches any single character
    - \*: matches any number of characters within a data set name qualifier (e.g. "ibmuser.j\*.old" matches "ibmuser.jcl.old" but not "ibmuser.jcl.very.old")
    - \*\* : matches any number of characters within any number of data set name qualifiers (e.g. "ibmuser.\*\*.old" matches both "ibmuser.jcl.old" and "ibmuser.jcl.very.old")However, the pattern cannot begin with any of these sequences. You can specify multiple patterns separated by commas, for example "ibmuser.\*\*.cntl,ibmuser.\*\*.jcl"

## Options

- `--binary` | `-b` (*boolean*)
  - Download the file content in binary mode, which means that no data conversion is performed. The data transfer process returns each line as-is, without translation. No delimiters are added between records.
- `--directory` | `-d` (*string*)

- The directory to where you want to save the members. The command creates the directory for you when it does not already exist. By default, the command creates a folder structure based on the data set qualifiers. For example, the data set `ibmuser.new.cntl`'s members are downloaded to `ibmuser/new/cntl`.
- `--encoding` | `--ec` (*string*)
  - Download the file content with encoding mode, which means that data conversion is performed using the file encoding specified.
- `--exclude-patterns` | `--ep` (*string*)
  - Exclude data sets that match these DSLEVEL patterns. Any data sets that match this pattern will not be downloaded.
- `--extension` | `-e` (*string*)
  - Save the local files with a specified file extension. For example, `.txt`. Or `""` for no extension. When no extension is specified, `.txt` is used as the default file extension.
- `--extension-map` | `--em` (*string*)
  - Use this option to map data set names that match your pattern to the desired extension. A comma delimited key value pairing (e.g. `"cntl=.jcl,cpgm=.c"` to map the last segment of each data set (also known as the "low level qualifier" to the desired local file extension).
- `--fail-fast` | `--ff` (*boolean*)
  - Set this option to `false` to continue downloading data set members if one or more fail.  
  
Default value: `true`
- `--max-concurrent-requests` | `--mcr` (*number*)
  - Specifies the maximum number of concurrent z/OSMF REST API requests to download members. Increasing the value results in faster downloads. However, increasing the value increases resource consumption on z/OS and can be prone to errors caused by making too many concurrent requests. If the download process encounters an error, the following message displays:  
  
The maximum number of TSO address spaces have been created. When you specify 0, Zowe CLI attempts to download all members at once without a maximum number of concurrent requests.  
  
Default value: 1

- `--preserve-original-letter-case` | `--po` (*boolean*)
  - Specifies if the automatically generated directories and files use the original letter case.  
Default value: false
- `--record` | `-r` (*boolean*)
  - Download the file content in record mode, which means that no data conversion is performed and the record length is prepended to the data. The data transfer process returns each line as-is, without translation. No delimiters are added between records. Conflicts with binary.
- `--volume-serial` | `--vs` (*string*)
  - The volume serial (VOLSER) where the data set resides. You can use this option at any time. However, the VOLSER is required only when the data set is not cataloged on the system. A VOLSER is analogous to a drive name on a PC.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)

- Reject self-signed certificates.

Default value: true

- `--base-path` | `--bp` (*string*)

- The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.

- `--protocol` (*string*)

- The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)

- The file path to a certificate file to use for authentication

- `--cert-key-file` (*local file path*)

- The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)

- The name of a (zosmf) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)

- The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)

- The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

- `--token-value` | `--tv` (*string*)

- The value of the token to pass to the API.

## Examples

- Download all data sets beginning with "ibmuser" and ending with ".cntl" or ".jcl" to the local directory "jcl" to files with the extension ".jcl":
  - `zowe zos-files download data-sets-matching "ibmuser.**.cntl, ibmuser.**.jcl" --directory jcl --extension .jcl`
- Download all data sets that begin with "ibmuser.public.project" or "ibmuser.project.private", excluding those that end in "lib" to the local directory "project", providing a custom mapping of data set low level qualifier to local file extension:
  - `zowe zos-files download data-sets-matching "ibmuser.public.project.*, ibmuser.project.private.*" --exclude-patterns "ibmuser.public.**.*lib" --directory project --extension-map cpgm=c, asmpgm=asm, java=java, chdr=c, jcl=jcl, cntl=jcl`

## [zowe](#) › [zos-files](#) › [download](#) › [uss-directory](#)

Download content from a USS directory to a local directory on your PC.

### Usage

```
zowe zos-files download uss-directory <ussDirName> [options]
```

### Positional Arguments

- `ussDirName` (*string*)
  - The name of the USS directory you want to download

### Options

- `--attributes` | `--attrs` (*local file path*)
  - Path of an attributes file to control how files are downloaded.
- `--binary` | `-b` (*boolean*)
  - Download the file content in binary mode, which means that no data conversion is performed. The data transfer process returns each line as-is, without translation. No delimiters are added between records.
- `--depth` (*number*)
  - Filters content in USS based on the number of directories to traverse down.

- `--directory` | `-d` (*string*)
  - The directory to where you want to save the files. The command creates the directory for you when it does not already exist. By default, the command downloads the files to the current directory.
- `--encoding` | `--ec` (*string*)
  - Download the file content with encoding mode, which means that data conversion is performed using the file encoding specified.
- `--fail-fast` | `--ff` (*boolean*)
  - Set this option to false to continue downloading USS files if one or more fail.  
  
Default value: true
- `--filesystem` (*boolean*)
  - Filters content in USS based on the filesystem the data is on. true - all filesystems, false - same filesystem as search directory.
- `--group` (*string*)
  - Filters content in USS based on the owning group name or ID.
- `--include-hidden` | `--ih` (*boolean*)
  - Include hidden files and folders that have names beginning with a dot.
- `--max-concurrent-requests` | `--mcr` (*number*)
  - Specifies the maximum number of concurrent z/OSMF REST API requests to download files. Increasing the value results in faster downloads. However, increasing the value increases resource consumption on z/OS and can be prone to errors caused by making too many concurrent requests. If the download process encounters an error, the following message displays:  
  
The maximum number of TSO address spaces have been created. When you specify 0, Zowe CLI attempts to download all files at once without a maximum number of concurrent requests.  
  
Default value: 1
- `--max-length` | `--max` (*number*)

- The option `--max-length` specifies the maximum number of items to return. Skip this parameter to return all items. If you specify an incorrect value, the parameter returns up to 1000 items.
- `--mtime` (*string*)
  - Filters content in USS based on the last modification time. N - specify an exact number of days, +N - older than N days, -N - newer than N days
- `--name` (*string*)
  - Filters files in USS based on the name of the file or directory.
- `--overwrite` | `--ow` (*boolean*)
  - Overwrite files that already exist in your local environment.
- `--owner` (*string*)
  - Filters content in USS based on the owning user name or ID.
- `--perm` (*string*)
  - Filters content in USS based on the octal permissions string.
- `--size` (*string*)
  - Filters content in USS based on the size. Default units are bytes. Add a suffix of K for kilobytes, M for megabytes, or G for gigabytes. N - specify an exact file size, +N - larger than N size, -N - smaller than N size
- `--symlinks` (*boolean*)
  - Filters content in USS based on whether or not to follow symbolic links. true - report symlinks, false - follow symlinks
- `--type` (*string*)
  - Filters content in USS based on the type of content. f - regular file, d - directory, l - symbolic link, p - FIFO named pipe, s - socket

Allowed values: f, d, l, p, s
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be

terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)

- The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Download the directory "/a/ibmuser" to "." in binary mode:
  - `zowe zos-files download uss-directory /a/ibmuser --binary`
- Download the directory "/a/ibmuser" to "./localDir":
  - `zowe zos-files download uss-directory /a/ibmuser --directory localDir`
- Download files from the directory "/a/ibmuser" that match the name "\*.log" and were modified within the last day:
  - `zowe zos-files download uss-directory /a/ibmuser --name "*.log" --mtime -1`

## [zowe](#) › [zos-files](#) › [download](#) › [uss-file](#)

Download content from a USS file to a local file on your PC.

### Usage

```
zowe zos-files download uss-file <ussFileName> [options]
```

## Positional Arguments

- `ussFileName` (*string*)
  - The name of the USS file you want to download

## Options

- `--attributes` | `--attrs` (*local file path*)
  - Path of an attributes file to control how files are downloaded.
- `--binary` | `-b` (*boolean*)
  - Download the file content in binary mode, which means that no data conversion is performed. The data transfer process returns each line as-is, without translation. No delimiters are added between records.
- `--encoding` | `--ec` (*string*)
  - Download the file content with encoding mode, which means that data conversion is performed using the file encoding specified.
- `--file` | `-f` (*string*)
  - The path to the local file where you want to download the content. When you omit the option, the command generates a file name automatically for you.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.

Default value: 443

- `--user` | `-u` (*string*)

- Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)

- The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Download the file `"/a/ibmuser/my_text.txt"` to `./my_text.txt`:
  - `zowe zos-files download uss-file "/a/ibmuser/my_text.txt" -f ./my_text.txt`
- Download the file `"/a/ibmuser/MyJava.class"` to `"java/MyJava.class"` in binary mode:
  - `zowe zos-files download uss-file "/a/ibmuser/MyJava.class" -b -f "java/MyJava.class"`
- Download the file `"/a/ibmuser/MyJava.class"` to `"java/MyJava.class"` using a `.zosattributes` file:
  - `zowe zos-files download uss-file "/a/ibmuser/MyJava.class" --attributes /path/to/.zosattributes -f "java/MyJava.class"`

## [zowe](#) › [zos-files](#) › [edit](#)

---

Edit the contents of a data set or USS file with your terminal and default editor.

### [zowe](#) › [zos-files](#) › [edit](#) › [data-set](#)

Edit content from a z/OS data set with your terminal and default editor.

## Usage

```
zowe zos-files edit data-set <dataSetName> [options]
```

## Positional Arguments

- `dataSetName` (*string*)
  - The name of the data set you want to edit.

## Options

- `--editor` | `--ed` (*string*)

- Editor that overrides the default editor for this file type. Set the option to the editor's executable file location or the program's name: ie "--editor notepad"
- `--extension` | `--ext` (*string*)
  - Set the file extension of the file for editing to leverage an editor's file-type-specific formatting: ie "--extension jcl"
- `--binary` | `-b` (*boolean*)
  - Transfer the file content in binary mode (no EBCDIC to ASCII conversion).
- `--encoding` | `--ec` (*string*)
  - Transfer the file content with encoding mode, which means that data conversion is performed using the file encoding specified.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.
  - Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true

- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Edit the contents of the data set member "ibmuser.cntl(iefbr14)":

- `zowe zos-files edit data-set ibmuser.cntl(iefbr14) --editor notepad`
- Edit the contents of the data set member "ibmuser.cntl(iefbr14)":
  - `zowe zos-files edit data-set ibmuser.cntl(iefbr14) --editor C:\Windows\System32\Notepad.exe`
- Edit the contents of the data set member "ibmuser.jcl(iefbr14)" and set extension as "jcl":
  - `zowe zos-files edit data-set ibmuser.jcl(iefbr14) --binary`

## [zowe](#) › [zos-files](#) › [edit](#) › [uss-file](#)

Edit content from a Unix System Services (USS) file with your terminal and default editor.

### Usage

```
zowe zos-files edit uss-file <ussFilePath> [options]
```

### Positional Arguments

- `ussFilePath` (*string*)
  - The path of the USS file you want to edit.

### Options

- `--editor` | `--ed` (*string*)
  - Editor that overrides the default editor for this file type. Set the option to the editor's executable file location or the program's name: ie "--editor notepad"
- `--binary` | `-b` (*boolean*)
  - Transfer the file content in binary mode (no EBCDIC to ASCII conversion).
- `--encoding` | `--ec` (*string*)
  - Transfer the file content with encoding mode, which means that data conversion is performed using the file encoding specified.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Edit the contents of the USS file `"/a/ibmuser/my_text.txt"` in notepad:
  - `zowe zos-files edit uss-file /a/ibmuser/my_text.txt --editor notepad`
- Edit the contents of the USS file `"/a/ibmuser/my_text.txt"` in notepad:
  - `zowe zos-files edit uss-file /a/ibmuser/my_text.txt --editor C:\Windows\System32\Notepad.exe`
- Edit the contents of the USS file `"/a/ibmuser/my_jcl.jcl"` with binary flag set:
  - `zowe zos-files edit uss-file /a/ibmuser/my_text.txt --binary`

## [zowe](#) › [zos-files](#) › [invoke](#)

---

Invoke z/OS utilities such as Access Method Services (AMS).

### [zowe](#) › [zos-files](#) › [invoke](#) › [ams-file](#)

Submit control statements for execution by Access Method Services (IDCAMS). You can use IDCAMS to create VSAM data sets (CSI, ZFS, etc...), delete data sets, and more. You must format the control statements exactly as the IDCAMS utility expects. For more information about control statements, see the IBM publication 'z/OS DFSMS Access Method Services Commands'.

## Usage

zowe zos-files invoke `ams-file <controlStatementsFile> [options]`

## Positional Arguments

- `controlStatementsFile` (*string*)
  - The path to a file that contains IDCAMS control statements. Ensure that your file does not contain statements that are longer than 255 characters (maximum allowed length).

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Options

- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Reads the specified file and submits the controls statements:
  - `zowe zos-files invoke ams-file "./path/to/file/MyControlStatements.idcams"`

## [zowe](#) › [zos-files](#) › [invoke](#) › [ams-statements](#)

Submit control statements for execution by Access Method Services (IDCAMS). You can use IDCAMS to create VSAM data sets (CSI, ZFS, etc...), delete data sets, and more. You must format the control statements exactly as the IDCAMS utility expects. For more information about control statements, see the IBM publication 'z/OS DFSMS Access Method Services Commands'.

### Usage

```
zowe zos-files invoke ams-statements <controlStatements> [options]
```

### Positional Arguments

- `controlStatements` (*string*)
  - The IDCAMS control statement that you want to submit. Zowe CLI attempts to split the inline control statement at 255 characters.

### Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--base-path` | `--bp` (*string*)

- The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)
  - Default value: https
  - Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Options

- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)

- The value of the token to pass to the API.

## Examples

- Defines a cluster named 'DUMMY.VSAM.CLUSTER':
  - `zowe zos-files invoke ams-statements "DEFINE CLUSTER ( NAME (DUMMY.VSAM.CLUSTER) CYL(1 1))"`
- Deletes a cluster named 'DUMMY.VSAM.CLUSTER':
  - `zowe zos-files invoke ams-statements "DELETE DUMMY.VSAM.CLUSTER CLUSTER"`

## [zowe](#) › [zos-files](#) › [list](#)

---

List data sets and data set members. Optionally, you can list their details and attributes.

### [zowe](#) › [zos-files](#) › [list](#) › [all-members](#)

List all members of a partitioned data set. To view additional information about each member, use the `--attributes` option under the Options section of this help text.

## Usage

```
zowe zos-files list all-members <dataSetName> [options]
```

## Positional Arguments

- `dataSetName` (*string*)
  - The name of the data set for which you want to list the members

## Options

- `--attributes` | `-a` (*boolean*)
  - Display more information about each member. Data sets with an undefined record format display information related to executable modules. Variable and fixed block data sets display information about when the members were created and modified.
- `--max-length` | `--max` (*number*)
  - The option `--max-length` specifies the maximum number of items to return. Skip this parameter to return all items. If you specify an incorrect value, the parameter returns up to 1000 items.

- `--pattern` (*string*)
  - The option `--pattern` specifies the match pattern used when listing members in a data set. The default is to match against all members, e.g. `"*"`.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Show members of the data set "ibmuser.asm":
  - `zowe zos-files list all-members "ibmuser.asm"`
- Show attributes of members of the data set "ibmuser.cntl":
  - `zowe zos-files list all-members "ibmuser.cntl" -a`
- Show the first 5 members of the data set "ibmuser.cntl":
  - `zowe zos-files list all-members "ibmuser.cntl" --max 5`
- Show the first 4 members of the data set "ibmuser.cntl" matching an input pattern":

- `zowe zos-files list all-members "sys1.maclib" --pattern IJK* --max 4`

## [zowe](#) › [zos-files](#) › [list](#) › [data-set](#)

List data sets that match a pattern in the data set name.

### Usage

`zowe zos-files list data-set <dataSetName> [options]`

### Positional Arguments

- `dataSetName` (*string*)
  - The name or pattern of the data set that you want to list

### Options

- `--attributes` | `-a` (*boolean*)
  - Display more information about each member. Data sets with an undefined record format display information related to executable modules. Variable and fixed block data sets display information about when the members were created and modified.
- `--max-length` | `--max` (*number*)
  - The option `--max-length` specifies the maximum number of items to return. Skip this parameter to return all items. If you specify an incorrect value, the parameter returns up to 1000 items.
- `--volume-serial` | `--vs` (*string*)
  - The volume serial (VOLSER) where the data set resides. You can use this option at any time. However, the VOLSER is required only when the data set is not cataloged on the system. A VOLSER is analogous to a drive name on a PC.
- `--start` | `-s` (*string*)
  - An optional search parameter that specifies the first data set name to return in the response document.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be

terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)

- The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Show the data set "ibmuser.asm":
  - `zowe zos-files list data-set "ibmuser.asm"`
- Show attributes of the data set "ibmuser.cntl":
  - `zowe zos-files list data-set "ibmuser.cntl" -a`
- Show all data sets of the user "ibmuser":
  - `zowe zos-files list data-set "ibmuser.*"`
- Show attributes of all data sets of the user "ibmuser":
  - `zowe zos-files list data-set "ibmuser.*" -a`
- Show the first 5 data sets of the user "ibmuser":
  - `zowe zos-files list data-set "ibmuser.cntl" --max 5`

List all mounted filesystems, or the specific filesystem mounted at a given path, or the filesystem with a given filesystem name.

## Usage

zowe zos-files list file-system [options]

## Options

- `--max-length` | `--max` (*number*)
  - The option `--max-length` specifies the maximum number of items to return. Skip this parameter to return all items. If you specify an incorrect value, the parameter returns up to 1000 items.
- `--fsname` | `-f` (*string*)
  - Specifies the name of the mounted file system. This option and `--path` are mutually exclusive.
- `--path` | `-p` (*string*)
  - Specifies the path where the file system is mounted. This option and `--fsname` are mutually exclusive.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.

- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '`--response-format-type`' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
    - table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.
    - list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.
    - object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.
    - string: Formats output data as a string. JSON objects/arrays are stringified.
  - Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- To list all mounted filesystems:
  - `zowe zos-files list file-system`
- To list filesystems mounted to a specific path:
  - `zowe zos-files list file-system -p /a/ibmuser`
- To list filesystems mounted with a specific name:

- `zowe zos-files list file-system -f MY.ZFS`

## [zowe](#) › [zos-files](#) › [list](#) › [uss-files](#)

List USS files and directories in a UNIX file path.

### Usage

`zowe zos-files list uss-files <path> [options]`

### Positional Arguments

- `path` (*string*)
  - The directory containing the files and directories to be listed

### Options

- `--max-length` | `--max` (*number*)
  - The option `--max-length` specifies the maximum number of items to return. Skip this parameter to return all items. If you specify an incorrect value, the parameter returns up to 1000 items.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

### Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.

- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '`--response-format-type`' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
    - table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.
    - list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.
    - object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.
    - string: Formats output data as a string. JSON objects/arrays are stringified.
  - Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- Show the files and directories in path '/u/ibmuser':
  - `zowe zos-files list uss-files "/u/ibmuser"`
- Show the files and directories in path '/u/ibmuser' displaying only the file or directory name:
  - `zowe zos-files list uss-files "/u/ibmuser" --rff name`

- Show the files and directories in path '/u/ibmuser' displaying the headers associated with the file detail:

- `zowe zos-files list uss-files "/u/ibmuser" --rfh`

## [zowe](#) › [zos-files](#) › [migrate](#)

---

Migrate data sets.

### [zowe](#) › [zos-files](#) › [migrate](#) › [data-set](#)

Migrate a data set.

#### Usage

```
zowe zos-files migrate data-set <dataSetName> [options]
```

#### Positional Arguments

- `dataSetName` (*string*)
  - The name of the data set you want to migrate.

#### Options

- `--wait` | `-w` (*boolean*)
  - If true then the function waits for completion of the request. If false (default) the request is queued.  
  
Default value: false
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

#### Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)

- The z/OSMF server port.

Default value: 443

- `--user` | `-u` (*string*)

- Mainframe (z/OSMF) user name, which can be the same as your TSO login.

- `--password` | `--pass` | `--pw` (*string*)

- Mainframe (z/OSMF) password, which can be the same as your TSO password.

- `--reject-unauthorized` | `--ru` (*boolean*)

- Reject self-signed certificates.

Default value: true

- `--base-path` | `--bp` (*string*)

- The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.

- `--protocol` (*string*)

- The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)

- The file path to a certificate file to use for authentication

- `--cert-key-file` (*local file path*)

- The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)

- The name of a (zosmf) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)

- The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Migrate a data set using default options:
  - `zowe zos-files migrate data-set "USER.DATA.SET"`

## [zowe](#) › [zos-files](#) › [mount](#)

---

Mount z/OS UNIX file systems, such as HFS, ZFS, and more. This connects you to USS file systems.

### [zowe](#) › [zos-files](#) › [mount](#) › [file-system](#)

Mount a UNIX file system on a specified directory.

## Usage

```
zowe zos-files mount file-system <fileSystemName> <mountPoint> [options]
```

## Positional Arguments

- `fileSystemName` (*string*)
  - The name of the file system to mount.
- `mountPoint` (*string*)
  - The directory to use as a mount point.

## Options

- `--fs-type` | `--ft` (*string*)

- Specify the file system type that you are going to mount. The name must match the TYPE operand on a FILESYSTYPE statement in the BPXPRMxx parmlib member for the file system.

Default value: ZFS

- `--mode` | `-m` (*string*)

- Specify the mode for mounting the file system (rdonly - read-only, rdwr - read/write).

Default value: rdonly

Allowed values: rdonly, rdwr

- `--response-timeout` | `--rto` (*number*)

- The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)

- The z/OSMF server host name.

- `--port` | `-P` (*number*)

- The z/OSMF server port.

Default value: 443

- `--user` | `-u` (*string*)

- Mainframe (z/OSMF) user name, which can be the same as your TSO login.

- `--password` | `--pass` | `--pw` (*string*)

- Mainframe (z/OSMF) password, which can be the same as your TSO password.

- `--reject-unauthorized` | `--ru` (*boolean*)

- Reject self-signed certificates.

Default value: true

- `--base-path` | `--bp` (*string*)

- The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Mount a z/OS file system using default options:
  - `zowe zos-files mount file-system MY.ZFS /a/ibmuser/mountdir`
- Mount a hierarchical file system with write access:

- `zowe zos-files mount file-system MY.HFS /a/ibmuser/mountdir --ft HFS -m rdwr`

## [zowe](#) › [zos-files](#) › [recall](#)

---

Recall migrated data sets.

### [zowe](#) › [zos-files](#) › [recall](#) › [data-set](#)

Recall a migrated data set.

#### Usage

```
zowe zos-files recall data-set <dataSetName> [options]
```

#### Positional Arguments

- `dataSetName` (*string*)
  - The name of the data set you want to recall.

#### Options

- `--wait` | `-w` (*boolean*)
  - If true then the function waits for completion of the request. If false (default) the request is queued.  
  
Default value: false
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

#### Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.

Default value: 443

- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true

- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Recall a data set using default options:
  - `zowe zos-files recall data-set "USER.DATA.SET"`

## [zowe](#) › [zos-files](#) › [rename](#)

---

Rename a data set or member.

## [zowe](#) › [zos-files](#) › [rename](#) › [data-set](#)

Rename a data set.

## Usage

```
zowe zos-files rename data-set <beforeDataSetName> <afterDataSetName> [options]
```

## Positional Arguments

- `beforeDataSetName` (*string*)
  - The name of the data set that you want to rename.
- `afterDataSetName` (*string*)
  - The name you want to rename the data set to.

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)

- The z/OSMF server port.

Default value: 443

- `--user` | `-u` (*string*)

- Mainframe (z/OSMF) user name, which can be the same as your TSO login.

- `--password` | `--pass` | `--pw` (*string*)

- Mainframe (z/OSMF) password, which can be the same as your TSO password.

- `--reject-unauthorized` | `--ru` (*boolean*)

- Reject self-signed certificates.

Default value: true

- `--base-path` | `--bp` (*string*)

- The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.

- `--protocol` (*string*)

- The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)

- The file path to a certificate file to use for authentication

- `--cert-key-file` (*local file path*)

- The file path to a certificate key file to use for authentication

## Options

- `--response-timeout` | `--rto` (*number*)

- The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Profile Options

- `--zosmf-profile` | `--zosmf-p` *(string)*
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` *(string)*
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` *(string)*
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` *(string)*
  - The value of the token to pass to the API.

## Examples

- Rename the data set named 'USER.BEFORE.SET' to 'USER.AFTER.SET':
  - `zowe zos-files rename data-set "USER.BEFORE.SET" "USER.AFTER.SET"`

## [zowe](#) › [zos-files](#) › [rename](#) › [data-set-member](#)

Rename a data set member.

## Usage

```
zowe zos-files rename data-set-member <dataSetName> <beforeMemberName>  
<afterMemberName> [options]
```

## Positional Arguments

- `dataSetName` *(string)*
  - The name of the data set the member belongs to.
- `beforeMemberName` *(string)*
  - The name of the data set member that you want to rename.
- `afterMemberName` *(string)*

- The name you want to rename the data set member to.

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)

- The file path to a certificate key file to use for authentication

## Options

- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- In the data set 'USER.DATA.SET', rename the member named 'MEM1' to 'MEM2':
  - `zowe zos-files rename data-set-member "USER.DATA.SET" "MEM1" "MEM2"`

## [zowe](#) › [zos-files](#) › [search](#)

---

Search files for a search term.

## [zowe](#) › [zos-files](#) › [search](#) › [data-sets](#)

Search all data sets and PDS members that match the data set name for a search term.

## Usage

zowe zos-files search data-sets <pattern> <searchString> [options]

## Positional Arguments

- `pattern` (*string*)
  - The pattern to match data sets against. Also known as 'DSLEVEL'. The following special sequences can be used in the pattern:
    - %: matches any single character
    - \*: matches any number of characters within a data set name qualifier (e.g. "ibmuser.j\*.old" matches "ibmuser.jcl.old" but not "ibmuser.jcl.very.old")
    - \*\* : matches any number of characters within any number of data set name qualifiers (e.g. "ibmuser.\*\*.old" matches both "ibmuser.jcl.old" and "ibmuser.jcl.very.old")However, the pattern cannot begin with any of these sequences. You can specify multiple patterns separated by commas, for example "ibmuser.\*\*.cntl,ibmuser.\*\*.jcl"
- `searchString` (*string*)
  - The parameter to search for.

## Options

- `--case-sensitive` | `--cs` (*boolean*)
  - The search should be case sensitive

Default value: false
- `--encoding` | `--ec` (*string*)
  - Search the file content with encoding mode, which means that data conversion is performed using the file encoding specified.
- `--mainframe-search` | `--ms` (*boolean*)
  - Perform a preliminary search on the mainframe, reducing network traffic. However, this option does not work with data sets that contain binary data. This option should be omitted if any data sets may be in binary format. Failure to do so may result in an incomplete set of search results.

Default value: false
- `--max-concurrent-requests` | `--mcr` (*number*)

- Specifies the maximum number of concurrent z/OSMF REST API requests to search files. Increasing the value results in faster searches. However, increasing the value increases resource consumption on z/OS and can be prone to errors caused by making too many concurrent requests.

Default value: 1

- `--timeout` | `--to` (*number*)

- The number of seconds to search before timing out.

- `--regex` | `--re` (*boolean*)

- Whether the search string is a regular expression.

Default value: false

- `--response-timeout` | `--rto` (*number*)

- The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)

- The z/OSMF server host name.

- `--port` | `-P` (*number*)

- The z/OSMF server port.

Default value: 443

- `--user` | `-u` (*string*)

- Mainframe (z/OSMF) user name, which can be the same as your TSO login.

- `--password` | `--pass` | `--pw` (*string*)

- Mainframe (z/OSMF) password, which can be the same as your TSO password.

- `--reject-unauthorized` | `--ru` (*boolean*)

- Reject self-signed certificates.

Default value: true

- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Search all of IBMUSER's data sets for 'ZOWE':

- `zowe zos-files search data-sets 'IBMUSER.*' 'ZOWE'`
- Search all of IBMUSER's data sets for 'ZOWE' in uppercase only:
  - `zowe zos-files search data-sets 'IBMUSER.*' 'ZOWE' --case-sensitive`
- Search all of IBMUSER's data sets for 'ZOWE', and time out in 1 minute:
  - `zowe zos-files search data-sets 'IBMUSER.*' 'ZOWE' --timeout 60`
- Search all of IBMUSER's data sets for 'ZOWE', and perform 8 parallel tasks:
  - `zowe zos-files search data-sets 'IBMUSER.*' 'ZOWE' --max-concurrent-requests 8`
- Search all of IBMUSER's data sets using a regular expression:
  - `zowe zos-files search data-sets 'IBMUSER.*' 'Z([A-Za-z]){3}' --regex`

## [zowe](#) › [zos-files](#) › [unmount](#)

---

Unmount file systems, such as HFS, ZFS, and more. This disconnects you from USS file systems.

### [zowe](#) › [zos-files](#) › [unmount](#) › [file-system](#)

Unmount a UNIX file system.

#### Usage

```
zowe zos-files unmount file-system <fileSystemName> [options]
```

#### Positional Arguments

- `fileSystemName` (*string*)
  - The name of the file system to unmount.

#### Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.

Default value: 443

- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true

- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Options

- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Unmount a mounted file system:
  - `zowe zos-files unmount file-system MY.FS`

## [zowe](#) › [zos-files](#) › [upload](#)

---

Upload the contents of a file to data sets.

## [zowe](#) › [zos-files](#) › [upload](#) › [dir-to-pds](#)

Upload files from a local directory to a partitioned data set (PDS).

## Usage

```
zowe zos-files upload dir-to-pds <inputdir> <dataSetName> [options]
```

## Positional Arguments

- `inputdir` (*string*)
  - The path for a local directory that you want to upload to a PDS
- `dataSetName` (*string*)
  - The name of the partitioned data set to which you want to upload the files

## Options

- `--binary` | `-b` (*boolean*)
  - Data content in binary mode, which means that no data conversion is performed. The data transfer process returns each record as-is, without translation. No delimiters are added between records.
- `--encoding` | `--ec` (*string*)
  - Data content in encoding mode, which means that data conversion is performed according to the encoding specified.
- `--migrated-recall` | `--mr` (*string*)
  - The method by which migrated data set is handled. By default, a migrated data set is recalled synchronously. You can specify the following values: wait, nowait, error  
  
Default value: nowait
- `--record` | `-r` (*boolean*)
  - Data content in record mode, which means that no data conversion is performed and the record length is prepended to the data. The data transfer process returns each line as-is, without translation. No delimiters are added between records. Conflicts with binary.
- `--volume-serial` | `--vs` (*string*)
  - The volume serial (VOLSER) where the data set resides. You can use this option at any time. However, the VOLSER is required only when the data set is not cataloged on the system. A VOLSER is analogous to a drive name on a PC.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)

- The z/OSMF server port.

Default value: 443

- `--user` | `-u` (*string*)

- Mainframe (z/OSMF) user name, which can be the same as your TSO login.

- `--password` | `--pass` | `--pw` (*string*)

- Mainframe (z/OSMF) password, which can be the same as your TSO password.

- `--reject-unauthorized` | `--ru` (*boolean*)

- Reject self-signed certificates.

Default value: true

- `--base-path` | `--bp` (*string*)

- The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.

- `--protocol` (*string*)

- The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)

- The file path to a certificate file to use for authentication

- `--cert-key-file` (*local file path*)

- The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)

- The name of a (zosmf) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)

- The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Upload a directory named "src" to a PDS named "ibmuser.src":
  - `zowe zos-files upload dir-to-pds "src" "ibmuser.src"`
- Upload a directory named "src" to a migrated PDS named "ibmuser.src" and wait for it to be recalled:
  - `zowe zos-files upload dir-to-pds "src" "ibmuser.src" --mr wait`

## [zowe](#) › [zos-files](#) › [upload](#) › [dir-to-uss](#)

Upload a local directory to a USS directory.

An optional `.zosattributes` file in the source directory can be used to control file conversion and tagging.

An example `.zosattributes` file:

```
# pattern local-encoding remote-encoding
# Don't upload the node_modules directory
node_modules -
# Don't upload files that start with periods
.* -
# Upload jpg images in binary
*.jpg binary binary
# Convert CICS Node.js profiles to EBCDIC
*.profile ISO8859-1 EBCDIC
```

Lines starting with the '#' character are comments. Each line can specify up to three positional attributes:

- A pattern to match a set of files. Pattern-matching syntax follows the same rules as those that apply in .gitignore files (note that negated patterns that begin with '!' are not supported). See [https://git-scm.com/docs/gitignore#\\_pattern\\_format](https://git-scm.com/docs/gitignore#_pattern_format).
- A local-encoding to identify a file's encoding on the local workstation. If '-' is specified for local-encoding, files that match the pattern are not transferred.
- A remote-encoding to specify the file's desired character set on USS. This attribute must either match the local encoding or be set to EBCDIC. If set to EBCDIC, files are transferred in text mode and converted, otherwise they are transferred in binary mode. Remote files are tagged either with the remote encoding or as binary.

A .zosattributes file can either be placed in the top-level directory you want to upload, or its location can be specified by using the --attributes parameter. .zosattributes files that are placed in nested directories are ignored.

## Usage

```
zowe zos-files upload dir-to-uss <inputDir> <USSDir> [options]
```

## Positional Arguments

- `inputDir` (*string*)
  - The local directory path that you want to upload to a USS directory
- `USSDir` (*string*)
  - The name of the USS directory to which you want to upload the local directory

## Options

- `--binary` | `-b` (*boolean*)
  - Data content in binary mode, which means that no data conversion is performed. The data transfer process returns each record as-is, without translation. No delimiters are added between records.
- `--recursive` | `-r` (*boolean*)
  - Upload all directories recursively.
- `--binary-files` | `--bf` (*string*)
  - Comma separated list of file names to be uploaded in binary mode. Use this option when you upload a directory in default ASCII mode, but you want to specify certain files to be uploaded in binary mode. All files matching specified file names will be uploaded in

binary mode. If a .zosattributes file (or equivalent file specified via --attributes) is present, --binary-files will be ignored.

- `--ascii-files` | `--af` (*string*)
  - Comma separated list of file names to be uploaded in ASCII mode. Use this option when you upload a directory with --binary/-b flag, but you want to specify certain files to be uploaded in ASCII mode. All files matching specified file names will be uploaded in ASCII mode. If a .zosattributes file (or equivalent file specified via --attributes) is present, --ascii-files will be ignored.
- `--attributes` | `--attrs` (*string*)
  - Path of an attributes file to control how files are uploaded.
- `--max-concurrent-requests` | `--mcr` (*number*)
  - Specifies the maximum number of concurrent z/OSMF REST API requests to upload files. Increasing the value results in faster uploads. However, increasing the value increases resource consumption on z/OS and can be prone to errors caused by making too many concurrent requests. If the upload process encounters an error, the following message displays:  
The maximum number of TSO address spaces have been created. When you specify 0, Zowe CLI attempts to upload all members at once without a maximum number of concurrent requests.  
  
Default value: 1
- `--include-hidden` | `--ih` (*boolean*)
  - Include hidden files and folders that have names beginning with a dot.
- `--encoding` | `--ec` (*string*)
  - Data content in encoding mode, which means that data conversion is performed according to the encoding specified.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.

Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Upload all files from the "local\_dir" directory to the "/a/ibmuser/my\_dir" USS directory:
  - `zowe zos-files upload dir-to-uss "local_dir" "/a/ibmuser/my_dir"`
- Upload all files from the "local\_dir" directory and all its sub-directories, to the "/a/ibmuser/my\_dir" USS directory:
  - `zowe zos-files upload dir-to-uss "local_dir" "/a/ibmuser/my_dir" --recursive`
- Upload all files from the "local\_dir" directory to the "/a/ibmuser/my\_dir" USS directory in default ASCII mode, while specifying a list of file names (without path) to be uploaded in binary mode:
  - `zowe zos-files upload dir-to-uss "local_dir" "/a/ibmuser/my_dir" --binary-files "myFile1.exe,myFile2.exe,myFile3.exe"`
- Upload all files from the "local\_dir" directory to the "/a/ibmuser/my\_dir" USS directory in binary mode, while specifying a list of file names (without path) to be uploaded in ASCII mode:
  - `zowe zos-files upload dir-to-uss "local_dir" "/a/ibmuser/my_dir" --binary --ascii-files "myFile1.txt,myFile2.txt,myFile3.txt"`
- Recursively upload all files from the "local\_dir" directory to the "/a/ibmuser/my\_dir" USS directory, specifying files to ignore and file encodings in the local file my\_global\_attributes:

- `zowe zos-files upload dir-to-uss "local_dir" "/a/ibmuser/my_dir" --recursive --attributes my_global_attributes`
- Upload all files from the "local\_dir" directory to the "/a/ibmuser/my\_dir" USS directory using IBM-1047 encoding:
  - `zowe zos-files upload dir-to-uss "local_dir" "/a/ibmuser/my_dir" --encoding "IBM-1047"`

## [zowe](#) › [zos-files](#) › [upload](#) › [file-to-data-set](#)

Upload the contents of a file to a z/OS data set.

### Usage

```
zowe zos-files upload file-to-data-set <inputfile> <dataSetName> [options]
```

### Positional Arguments

- `inputfile` (*string*)
  - The local file that you want to upload to a data set
- `dataSetName` (*string*)
  - The name of the data set to which you want to upload the file

### Options

- `--binary` | `-b` (*boolean*)
  - Data content in binary mode, which means that no data conversion is performed. The data transfer process returns each record as-is, without translation. No delimiters are added between records.
- `--encoding` | `--ec` (*string*)
  - Data content in encoding mode, which means that data conversion is performed according to the encoding specified.
- `--migrated-recall` | `--mr` (*string*)
  - The method by which migrated data set is handled. By default, a migrated data set is recalled synchronously. You can specify the following values: wait, nowait, error

Default value: nowait

- `--record` | `-r` (*boolean*)
  - Data content in record mode, which means that no data conversion is performed and the record length is prepended to the data. The data transfer process returns each line as-is, without translation. No delimiters are added between records. Conflicts with binary.
- `--volume-serial` | `--vs` (*string*)
  - The volume serial (VOLSER) where the data set resides. You can use this option at any time. However, the VOLSER is required only when the data set is not cataloged on the system. A VOLSER is analogous to a drive name on a PC.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.

Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--base-path` | `--bp` (*string*)

- The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)
  - Default value: https
  - Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Upload file contents to a sequential data set named "ibmuser.ps":
  - `zowe zos-files upload file-to-data-set "file.txt" "ibmuser.ps"`
- Upload file contents to a PDS member named "ibmuser.pds(mem)":

- `zowe zos-files upload file-to-data-set "file.txt" "ibmuser.pds(mem)"`
- Upload file contents to a migrated data set and wait for it to be recalled:
  - `zowe zos-files upload file-to-data-set "file.txt" "ibmuser.ps" --mr wait`

## [zowe](#) › [zos-files](#) › [upload](#) › [file-to-uss](#)

Upload content to a USS file from local file.

### Usage

```
zowe zos-files upload file-to-uss <inputfile> <USSFileName> [options]
```

### Positional Arguments

- `inputfile` (*string*)
  - The local file that you want to upload to a USS file
- `USSFileName` (*string*)
  - The name of the USS file to which you want to upload the file

### Options

- `--binary` | `-b` (*boolean*)
  - Data content in binary mode, which means that no data conversion is performed. The data transfer process returns each record as-is, without translation. No delimiters are added between records.
- `--encoding` | `--ec` (*string*)
  - Data content in encoding mode, which means that data conversion is performed according to the encoding specified.
- `--attributes` | `--attrs` (*string*)
  - Path of an attributes file to control how files are uploaded.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.
  - Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.
  - Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)
  - Default value: https
  - Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Upload to the USS file `"/a/ibmuser/my_text.txt"` from the file `"file.txt"`:
  - `zowe zos-files upload file-to-uss "file.txt" "/a/ibmuser/my_text.txt"`

## [zowe](#) › [zos-files](#) › [upload](#) › [stdin-to-data-set](#)

Upload the content of a stdin to a z/OS data set.

## Usage

```
zowe zos-files upload stdin-to-data-set <dataSetName> [options]
```

## Positional Arguments

- `dataSetName` (*string*)
  - The name of the data set to which you want to upload data

## Options

- `--binary` | `-b` (*boolean*)
  - Data content in binary mode, which means that no data conversion is performed. The data transfer process returns each record as-is, without translation. No delimiters are added between records.

- `--migrated-recall` | `--mr` (*string*)
  - The method by which migrated data set is handled. By default, a migrated data set is recalled synchronously. You can specify the following values: wait, nowait, error

Default value: nowait
- `--record` | `-r` (*boolean*)
  - Data content in record mode, which means that no data conversion is performed and the record length is prepended to the data. The data transfer process returns each line as-is, without translation. No delimiters are added between records. Conflicts with binary.
- `--volume-serial` | `--vs` (*string*)
  - The volume serial (VOLSER) where the data set resides. You can use this option at any time. However, the VOLSER is required only when the data set is not cataloged on the system. A VOLSER is analogous to a drive name on a PC.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.

Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)

- Reject self-signed certificates.

Default value: true

- `--base-path` | `--bp` (*string*)

- The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.

- `--protocol` (*string*)

- The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)

- The file path to a certificate file to use for authentication

- `--cert-key-file` (*local file path*)

- The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)

- The name of a (zosmf) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)

- The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)

- The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

- `--token-value` | `--tv` (*string*)

- The value of the token to pass to the API.

## Examples

- Stream content from stdin to a sequential data set named "ibmuser.ps" from a Windows console:
  - `echo "hello world" | zowe zos-files upload stdin-to-data-set "ibmuser.ps"`
- Stream content from stdin to a partition data set member named "ibmuser.pds(mem)" from a Windows console:
  - `echo "hello world" | zowe zos-files upload stdin-to-data-set "ibmuser.pds(mem)"`
- Stream content from stdin to a migrated data set and wait for it to be recalled from a Windows console:
  - `echo "hello world" | zowe zos-files upload stdin-to-data-set "ibmuser.ps" -mr wait`

## [zowe](#) › [zos-files](#) › [view](#)

---

View the contents of a data set or USS file on your terminal (stdout).

### [zowe](#) › [zos-files](#) › [view](#) › [data-set](#)

View content from a z/OS data set on your terminal (stdout).

#### Usage

```
zowe zos-files view data-set <dataSetName> [options]
```

#### Positional Arguments

- `dataSetName` (*string*)
  - The name of the data set you want to display.

#### Options

- `--binary` | `-b` (*boolean*)
  - Transfer the file content in binary mode (no EBCDIC to ASCII conversion).
- `--encoding` | `--ec` (*string*)
  - Transfer the file content with encoding mode, which means that data conversion is performed using the file encoding specified.

- `--record` | `-r` (*boolean*)
  - Transfer the file content in record mode, which means that no data conversion is performed and the record length is prepended to the data. The data transfer process returns each line as-is, without translation. No delimiters are added between records. Conflicts with binary.
- `--volume-serial` | `--vs` (*string*)
  - The volume serial (VOLSER) where the data set resides. You can use this option at any time. However, the VOLSER is required only when the data set is not cataloged on the system. A VOLSER is analogous to a drive name on a PC.
- `--range` | `-R` (*string*)
  - The range of records to return in either ``SSS-EEE`` or ``SSS,NNN`` format. SSS identifies the start record, EEE identifies the end record, and NNN identifies the number of retrieved records.
- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)

- Reject self-signed certificates.

Default value: true

- `--base-path` | `--bp` (*string*)

- The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.

- `--protocol` (*string*)

- The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)

- The file path to a certificate file to use for authentication

- `--cert-key-file` (*local file path*)

- The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)

- The name of a (zosmf) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)

- The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)

- The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

- `--token-value` | `--tv` (*string*)

- The value of the token to pass to the API.

## Examples

- View the contents of the data set member "ibmuser.cntl(iefbr14)":
  - `zowe zos-files view data-set "ibmuser.cntl(iefbr14)"`
- View the contents of the data set member "ibmuser.test.loadlib(main)" in binary mode:
  - `zowe zos-files view data-set "ibmuser.test.loadlib(main)" --binary`
- View only the first two lines of content for data set member "ibmuser.cntl(iefbr14)":
  - `zowe zos-files view data-set "ibmuser.cntl(iefbr14)" --range 0,2`
- View only lines six through eight (zero-based) in the contents of the data set member "ibmuser.cntl(iefbr14)":
  - `zowe zos-files view data-set "ibmuser.cntl(iefbr14)" --range 5-7`

## [zowe](#) › [zos-files](#) › [view](#) › [uss-file](#)

View content from a Unix System Services (USS) file on your terminal (stdout).

### Usage

```
zowe zos-files view uss-file <file> [options]
```

### Positional Arguments

- `file` (*string*)
  - The name of the USS file you want to display.

### Options

- `--binary` | `-b` (*boolean*)
  - Transfer the file content in binary mode (no EBCDIC to ASCII conversion).
- `--encoding` | `--ec` (*string*)
  - Transfer the file content with encoding mode, which means that data conversion is performed using the file encoding specified.
- `--range` | `-R` (*string*)
  - The range of records to return in either ``SSS-EEE`` or ``SSS,NNN`` format. SSS identifies the start record, EEE identifies the end record, and NNN identifies the number of

retrieved records.

- `--response-timeout` | `--rto` (*number*)
  - The maximum amount of time in seconds the z/OSMF Files TSO servlet should run before returning a response. Any request exceeding this amount of time will be terminated and return an error. Allowed values: 5 - 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
  
Default value: https  
Allowed values: http, https

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- View the contents of the USS file `"/a/ibmuser/my_text.txt"`:
  - `zowe zos-files view uss-file "/a/ibmuser/my_text.txt"`
- View the contents of the USS file `"/a/ibmuser/MyJavaClass.class"` in binary mode:
  - `zowe zos-files view uss-file "/a/ibmuser/MyJavaClass.class" --binary`

## zowe › zos-ftp

---

Data set and job functionality via FTP. This functionality uses the open source zos-node-accessor package from IBM. Commands under this group require you to create a zftp profile before using them.

If you find this functionality useful, please consider setting up z/OSMF on your system to get improved stability and speed and more features (for example, issuing TSO and console commands) by using core Zowe CLI.

## zowe › zos-ftp › allocate

---

Allocate a sequential or partitioned dataset

### zowe › zos-ftp › allocate › data-set

Allocate a sequential dataset or partitioned dataset with '--dcb "PDSTYPE=PDS"'

#### Usage

```
zowe zos-ftp allocate data-set <datasetName> [options]
```

#### Positional Arguments

- `datasetName` (*string*)
  - The dataset name you'd like to allocate.

#### Options

- `--dcb` (*string*)
  - DCB parameters for dataset allocation. It's space separated like "RECFM=FB LRECL=326 BLKSIZE=23472". For the list of possible DCB parameters, visit <https://github.com/IBM/zos-node-accessor/tree/1.0.x#allocate>.

#### FTP Connection options

- `--host` | `-H` (*string*)
  - The hostname or IP address of the z/OS server to connect to.
- `--port` | `-P` (*number*)

- The port of the z/OS FTP server.

Default value: 21

- `--user` | `-u` (*string*)
  - Username for authentication on z/OS
- `--password` | `-p` | `--pass` | `--pw` (*string*)
  - Password to authenticate to FTP.
- `--secure-ftp` (*boolean*)
  - Set to true for both control and data connection encryption, 'control' for control connection encryption only, or 'implicit' for implicitly encrypted control connection (this mode is deprecated in modern times, but usually uses port 990). Note: Unfortunately, this plugin's functionality only works with FTP and FTPS, not 'SFTP' which is FTP over SSH.

Default value: true

- `--connection-timeout` | `--ct` (*number*)
  - How long (in milliseconds) to wait for the control connection to be established.

Default value: 10000

## TLS / Secure Connection options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates. Only specify this if you are connecting to a secure FTP instance.
- `--server-name` | `--sn` (*string*)
  - Server name for the SNI (Server Name Indication) TLS extension. Only specify if you are connecting securely

## Profile Options

- `--zftp-profile` | `--zftp-p` (*string*)
  - The name of a (zftp) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)

- The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Allocate a sequential dataset "IBMUSER.DATASET":
  - `zowe zos-ftp allocate data-set "IBMUSER.DATASET"`
- Allocate a partitioned dataset "IBMUSER.DATASET":
  - `zowe zos-ftp allocate data-set "IBMUSER.DATASET" --dcb "PDSTYPE=PDS"`

## zowe › zos-ftp › delete

---

Delete data sets, jobs, and USS files

### zowe › zos-ftp › delete › data-set

Delete a data set

#### Usage

`zowe zos-ftp delete data-set <dataSet> [options]`

## Positional Arguments

- `dataSet` (*string*)
  - The data set (PDS member or physical sequential data set) which you would like to delete.

## Required Options

- `--for-sure` | `-f` (*boolean*)
  - Specify this option to confirm that you want to delete the data set permanently.

## FTP Connection options

- `--host` | `-H` (*string*)
  - The hostname or IP address of the z/OS server to connect to.
- `--port` | `-P` (*number*)
  - The port of the z/OS FTP server.  
  
Default value: 21
- `--user` | `-u` (*string*)
  - Username for authentication on z/OS
- `--password` | `-p` | `--pass` | `--pw` (*string*)
  - Password to authenticate to FTP.
- `--secure-ftp` (*boolean*)
  - Set to true for both control and data connection encryption, 'control' for control connection encryption only, or 'implicit' for implicitly encrypted control connection (this mode is deprecated in modern times, but usually uses port 990). Note: Unfortunately, this plugin's functionality only works with FTP and FTPS, not 'SFTP' which is FTP over SSH.  
  
Default value: true
- `--connection-timeout` | `--ct` (*number*)
  - How long (in milliseconds) to wait for the control connection to be established.  
  
Default value: 10000

## TLS / Secure Connection options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates. Only specify this if you are connecting to a secure FTP instance.
- `--server-name` | `--sn` (*string*)
  - Server name for the SNI (Server Name Indication) TLS extension. Only specify if you are connecting securely

## Profile Options

- `--zftp-profile` | `--zftp-p` (*string*)
  - The name of a (zftp) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search [Troubleshooting PEM Certificates](#) in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Delete the data set "ibmuser.cntl":

- `zowe zos-ftp delete data-set "ibmuser.cntl" -f`

## **zowe › zos-ftp › delete › job**

Cancel a job and purge its output. Note: this command will not work to delete TSU or STC type jobs.

### **Usage**

`zowe zos-ftp delete job <jobid> [options]`

### **Positional Arguments**

- `jobid` (*string*)
  - The ID of the job that you would like to delete

### **FTP Connection options**

- `--host` | `-H` (*string*)
  - The hostname or IP address of the z/OS server to connect to.
- `--port` | `-P` (*number*)
  - The port of the z/OS FTP server.  
  
Default value: 21
- `--user` | `-u` (*string*)
  - Username for authentication on z/OS
- `--password` | `-p` | `--pass` | `--pw` (*string*)
  - Password to authenticate to FTP.
- `--secure-ftp` (*boolean*)
  - Set to true for both control and data connection encryption, 'control' for control connection encryption only, or 'implicit' for implicitly encrypted control connection (this mode is deprecated in modern times, but usually uses port 990). Note: Unfortunately, this plugin's functionality only works with FTP and FTPS, not 'SFTP' which is FTP over SSH.

Default value: true

- `--connection-timeout` | `--ct` (*number*)
  - How long (in milliseconds) to wait for the control connection to be established.  
Default value: 10000

## TLS / Secure Connection options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates. Only specify this if you are connecting to a secure FTP instance.
- `--server-name` | `--sn` (*string*)
  - Server name for the SNI (Server Name Indication) TLS extension. Only specify if you are connecting securely

## Profile Options

- `--zftp-profile` | `--zftp-p` (*string*)
  - The name of a (zftp) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search [Troubleshooting PEM Certificates](#) in Zowe Docs.

- `--cert-key-file` (*local file path*)

- The file path to a certificate key file to use for authentication

## Examples

- Cancel the job "JOB00123" and purge its output, optionally abbreviating the job ID:
  - `zowe zos-ftp delete job j123`

## zowe › zos-ftp › delete › uss-file

Delete a USS file

## Usage

```
zowe zos-ftp delete uss-file <ussFile> [options]
```

## Positional Arguments

- `ussFile` (*string*)
  - The absolute path to a USS file you would like to delete.

## Required Options

- `--for-sure` | `-f` (*boolean*)
  - Specify this option to confirm that you want to delete the data set permanently.

## Options

- `--recursive` (*boolean*)
  - Delete the directory and all files/directories under it.

## FTP Connection options

- `--host` | `-H` (*string*)
  - The hostname or IP address of the z/OS server to connect to.
- `--port` | `-P` (*number*)
  - The port of the z/OS FTP server.

Default value: 21

- `--user` | `-u` (*string*)

- Username for authentication on z/OS
- `--password` | `-p` | `--pass` | `--pw` (*string*)
  - Password to authenticate to FTP.
- `--secure-ftp` (*boolean*)
  - Set to true for both control and data connection encryption, 'control' for control connection encryption only, or 'implicit' for implicitly encrypted control connection (this mode is deprecated in modern times, but usually uses port 990). Note: Unfortunately, this plugin's functionality only works with FTP and FTPS, not 'SFTP' which is FTP over SSH.

Default value: true

- `--connection-timeout` | `--ct` (*number*)
  - How long (in milliseconds) to wait for the control connection to be established.

Default value: 10000

## TLS / Secure Connection options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates. Only specify this if you are connecting to a secure FTP instance.
- `--server-name` | `--sn` (*string*)
  - Server name for the SNI (Server Name Indication) TLS extension. Only specify if you are connecting securely

## Profile Options

- `--zftp-profile` | `--zftp-p` (*string*)
  - The name of a (zftp) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)

- The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Delete the USS file "/u/ibmuser/myfile.txt":
  - `zowe zos-ftp delete uss-file "/u/ibmuser/myfile.txt" -f`

## [zowe](#) › [zos-ftp](#) › [download](#)

---

Download data set, job spool, and USS file content

### [zowe](#) › [zos-ftp](#) › [download](#) › [all-spool-by-jobid](#)

Download all spool content for a job to files in a local directory by providing the job id

## Usage

```
zowe zos-ftp download all-spool-by-jobid <jobid> [options]
```

## Positional Arguments

- `jobid` (*string*)
  - The ID of the job for which you would like to list spool files

## Options

- `--directory` | `-d` (*string*)

- The local directory to save the spool content to. By default, it will be saved to `./output`.
- `--omit-jobid-directory` | `--ojd` (*boolean*)
  - If you specify this, the job output will be saved directly to the specified (or default) directory. For example, if you omit this, the output would be saved to `./output/JOB00123`. If you specify `--ojd`, the `JOB00123` directory would not be included in the output path and the content would be saved to `./output`.

## FTP Connection options

- `--host` | `-H` (*string*)
  - The hostname or IP address of the z/OS server to connect to.
- `--port` | `-P` (*number*)
  - The port of the z/OS FTP server.

Default value: 21
- `--user` | `-u` (*string*)
  - Username for authentication on z/OS
- `--password` | `-p` | `--pass` | `--pw` (*string*)
  - Password to authenticate to FTP.
- `--secure-ftp` (*boolean*)
  - Set to true for both control and data connection encryption, 'control' for control connection encryption only, or 'implicit' for implicitly encrypted control connection (this mode is deprecated in modern times, but usually uses port 990). Note: Unfortunately, this plugin's functionality only works with FTP and FTPS, not 'SFTP' which is FTP over SSH.

Default value: true
- `--connection-timeout` | `--ct` (*number*)
  - How long (in milliseconds) to wait for the control connection to be established.

Default value: 10000

## TLS / Secure Connection options

- `--reject-unauthorized` | `--ru` (*boolean*)

- Reject self-signed certificates. Only specify this if you are connecting to a secure FTP instance.
- `--server-name` | `--sn` (*string*)
  - Server name for the SNI (Server Name Indication) TLS extension. Only specify if you are connecting securely

## Profile Options

- `--zftp-profile` | `--zftp-p` (*string*)
  - The name of a (zftp) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Download all spool for the job with the ID JOB00123 to the default subdirectory in the current directory:
  - `zowe zos-ftp download all-spool-by-jobid j123`

- Download all spool for the job with the ID JOB00123 to the directory build/job\_output:

- `zowe zos-ftp download all-spool-by-jobid j123 -d build/job_output/`

## [zowe](#) › [zos-ftp](#) › [download](#) › [data-set](#)

Download the contents of a z/OS data set to a local file

### Usage

```
zowe zos-ftp download data-set <dataSet> [options]
```

### Positional Arguments

- `dataSet` (*string*)
  - The data set (PDS member or physical sequential data set) which you would like to download to a local file.

### Options

- `--binary` | `-b` (*boolean*)
  - Download the file content in binary mode, which means that no data conversion is performed. The data transfer process returns each line as-is, without translation. No delimiters are added between records.
- `--file` | `-f` (*string*)
  - The path to the local file where you want to download the content. When you omit the option, the command generates a file name automatically for you.
- `--record` | `-r` | `--rdw` (*boolean*)
  - Download the variable-length data set with RECFM of V, VB, VBS, etc in rdw mode, in which the 4-byte RDW (Record Descriptor Word) is inserted at the beginning of each record.
- `--encoding` | `--ec` (*string*)
  - The encoding for download and upload of z/OS data set.

### FTP Connection options

- `--host` | `-H` (*string*)

- The hostname or IP address of the z/OS server to connect to.
- `--port` | `-P` (*number*)
  - The port of the z/OS FTP server.  
Default value: 21
- `--user` | `-u` (*string*)
  - Username for authentication on z/OS
- `--password` | `-p` | `--pass` | `--pw` (*string*)
  - Password to authenticate to FTP.
- `--secure-ftp` (*boolean*)
  - Set to true for both control and data connection encryption, 'control' for control connection encryption only, or 'implicit' for implicitly encrypted control connection (this mode is deprecated in modern times, but usually uses port 990). Note: Unfortunately, this plugin's functionality only works with FTP and FTPS, not 'SFTP' which is FTP over SSH.  
Default value: true
- `--connection-timeout` | `--ct` (*number*)
  - How long (in milliseconds) to wait for the control connection to be established.  
Default value: 10000

## TLS / Secure Connection options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates. Only specify this if you are connecting to a secure FTP instance.
- `--server-name` | `--sn` (*string*)
  - Server name for the SNI (Server Name Indication) TLS extension. Only specify if you are connecting securely

## Profile Options

- `--zftp-profile` | `--zftp-p` (*string*)

- The name of a (zftp) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.
 

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Download the data set "ibmuser.loadlib(main)" in binary mode to the local file "main.obj":
  - `zowe zos-ftp download data-set "ibmuser.loadlib(main)" -b -f main.obj`

## [zowe](#) › [zos-ftp](#) › [download](#) › [uss-file](#)

Download the contents of a USS file to a local file

### Usage

```
zowe zos-ftp download uss-file <ussFile> [options]
```

### Positional Arguments

- `ussFile` (*string*)
  - The path to the USS file you would like to download.

## Options

- `--binary` | `-b` (*boolean*)
  - Download the file content in binary mode, which means that no data conversion is performed. The data transfer process returns each line as-is, without translation. No delimiters are added between records.
- `--file` | `-f` (*string*)
  - The path to the local file where you want to download the content. When you omit the option, the command generates a file name automatically for you.

## FTP Connection options

- `--host` | `-H` (*string*)
  - The hostname or IP address of the z/OS server to connect to.
- `--port` | `-P` (*number*)
  - The port of the z/OS FTP server.  
  
Default value: 21
- `--user` | `-u` (*string*)
  - Username for authentication on z/OS
- `--password` | `-p` | `--pass` | `--pw` (*string*)
  - Password to authenticate to FTP.
- `--secure-ftp` (*boolean*)
  - Set to true for both control and data connection encryption, 'control' for control connection encryption only, or 'implicit' for implicitly encrypted control connection (this mode is deprecated in modern times, but usually uses port 990). Note: Unfortunately, this plugin's functionality only works with FTP and FTPS, not 'SFTP' which is FTP over SSH.  
  
Default value: true
- `--connection-timeout` | `--ct` (*number*)
  - How long (in milliseconds) to wait for the control connection to be established.  
  
Default value: 10000

## TLS / Secure Connection options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates. Only specify this if you are connecting to a secure FTP instance.
- `--server-name` | `--sn` (*string*)
  - Server name for the SNI (Server Name Indication) TLS extension. Only specify if you are connecting securely

## Profile Options

- `--zftp-profile` | `--zftp-p` (*string*)
  - The name of a (zftp) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search [Troubleshooting PEM Certificates](#) in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Download the USS file `/u/users/ibmuser/main.obj` in binary mode to the local file `"main.obj"`:

- `zowe zos-ftp download uss-file "/u/users/ibmuser/main.obj" -b -f main.obj`

## [zowe](#) › [zos-ftp](#) › [list](#)

---

List data sets, data set members, uss files, jobs, spool files

### [zowe](#) › [zos-ftp](#) › [list](#) › [data-set](#)

List all data sets that match a DSLEVEL pattern (see help below).

The following values can be used with the `--response-format-filter` (`--rff`) argument to display more data from the data sets: volume, unit, referred, ext, used, recfm, lrecl, blkksz, dsorg, and dsname.

### Usage

```
zowe zos-ftp list data-set <pattern> [options]
```

### Positional Arguments

- `pattern` (*string*)
  - The pattern or patterns to match data sets against. Also known as 'DSLEVEL', it is somewhat similar to the concept of a 'glob' (but not identical). The following special sequences can be used in the pattern:
    - `%`: Matches any single character
    - `*`: Matches any number of characters within a data set name qualifier (e.g. "ibmuser.j\*.old" matches "ibmuser.jcl.old" but not "ibmuser.jcl.very.old")
    - `**`: Matches any number of characters within any number of data set name qualifiers (e.g. "ibmuser.\*\*.old" matches both "ibmuser.jcl.old" and "ibmuser.jcl.very.old")However, the pattern cannot begin with any of these sequences.

### FTP Connection options

- `--host` | `-H` (*string*)
  - The hostname or IP address of the z/OS server to connect to.
- `--port` | `-P` (*number*)
  - The port of the z/OS FTP server.

Default value: 21

- `--user` | `-u` (*string*)

- Username for authentication on z/OS
- `--password` | `-p` | `--pass` | `--pw` (*string*)
  - Password to authenticate to FTP.
- `--secure-ftp` (*boolean*)
  - Set to true for both control and data connection encryption, 'control' for control connection encryption only, or 'implicit' for implicitly encrypted control connection (this mode is deprecated in modern times, but usually uses port 990). Note: Unfortunately, this plugin's functionality only works with FTP and FTPS, not 'SFTP' which is FTP over SSH.

Default value: true

- `--connection-timeout` | `--ct` (*number*)
  - How long (in milliseconds) to wait for the control connection to be established.

Default value: 10000

## TLS / Secure Connection options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates. Only specify this if you are connecting to a secure FTP instance.
- `--server-name` | `--sn` (*string*)
  - Server name for the SNI (Server Name Indication) TLS extension. Only specify if you are connecting securely

## Profile Options

- `--zftp-profile` | `--zftp-p` (*string*)
  - The name of a (zftp) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)

- The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '--response-format-type' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
 

table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.

list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.

object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.

string: Formats output data as a string. JSON objects/arrays are stringified.

Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)

- If "--response-format-type table" is specified, include the column headers in the output.

## Examples

- List all data sets beginning with "ibmuser" and ending in ".cntl":
  - `zowe zos-ftp list data-set "ibmuser.**.cntl"`

## zowe › zos-ftp › list › data-set-members

List all members of the specified PDS or PDSE data set.

## Usage

```
zowe zos-ftp list data-set-members <dsname> [options]
```

## Positional Arguments

- `dsname` (*string*)
  - The PDS or PDSE data set name.

## FTP Connection options

- `--host` | `-H` (*string*)
  - The hostname or IP address of the z/OS server to connect to.
- `--port` | `-P` (*number*)
  - The port of the z/OS FTP server.  
Default value: 21
- `--user` | `-u` (*string*)
  - Username for authentication on z/OS
- `--password` | `-p` | `--pass` | `--pw` (*string*)
  - Password to authenticate to FTP.
- `--secure-ftp` (*boolean*)
  - Set to true for both control and data connection encryption, 'control' for control connection encryption only, or 'implicit' for implicitly encrypted control connection (this

mode is deprecated in modern times, but usually uses port 990). Note: Unfortunately, this plugin's functionality only works with FTP and FTPS, not 'SFTP' which is FTP over SSH.

Default value: true

- `--connection-timeout` | `--ct` (*number*)
  - How long (in milliseconds) to wait for the control connection to be established.

Default value: 10000

## TLS / Secure Connection options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates. Only specify this if you are connecting to a secure FTP instance.
- `--server-name` | `--sn` (*string*)
  - Server name for the SNI (Server Name Indication) TLS extension. Only specify if you are connecting securely

## Profile Options

- `--zftp-profile` | `--zftp-p` (*string*)
  - The name of a (zftp) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '`--response-format-type`' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
    - table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.
    - list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.
    - object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.
    - string: Formats output data as a string. JSON objects/arrays are stringified.
  - Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- List all members in data set "ibmuser.test.cntl":
  - `zowe zos-ftp list data-set-members "ibmuser.test.cntl"`

List all data sets that match a DSLEVEL pattern (see help below).

## Usage

zowe zos-ftp list jobs [options]

## Options

- `--prefix` (*string*)
  - Specify the job name prefix of the jobs you own and want to list. You can specify a wildcard, which is usually in the form "JOB\*".  
If you don't specify this option all jobs under this owner will be listed by default.
- `--owner` | `-o` (*string*)
  - Specify the owner user ID of the jobs you want to list. The owner is the individual/user who submitted the job OR the user ID assigned to the job.
- `--status` | `-s` (*string*)
  - Specify the status of the jobs you want to list. The status is one of the following: INPUT, ACTIVE and OUTPUT.

## FTP Connection options

- `--host` | `-H` (*string*)
  - The hostname or IP address of the z/OS server to connect to.
- `--port` | `-P` (*number*)
  - The port of the z/OS FTP server.  
  
Default value: 21
- `--user` | `-u` (*string*)
  - Username for authentication on z/OS
- `--password` | `-p` | `--pass` | `--pw` (*string*)
  - Password to authenticate to FTP.
- `--secure-ftp` (*boolean*)

- Set to true for both control and data connection encryption, 'control' for control connection encryption only, or 'implicit' for implicitly encrypted control connection (this mode is deprecated in modern times, but usually uses port 990). Note: Unfortunately, this plugin's functionality only works with FTP and FTPS, not 'SFTP' which is FTP over SSH.

Default value: true

- `--connection-timeout` | `--ct` (*number*)

- How long (in milliseconds) to wait for the control connection to be established.

Default value: 10000

## TLS / Secure Connection options

- `--reject-unauthorized` | `--ru` (*boolean*)

- Reject self-signed certificates. Only specify this if you are connecting to a secure FTP instance.

- `--server-name` | `--sn` (*string*)

- Server name for the SNI (Server Name Indication) TLS extension. Only specify if you are connecting securely

## Profile Options

- `--zftp-profile` | `--zftp-p` (*string*)

- The name of a (zftp) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)

- The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)

- The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

- `--token-value` | `--tv` (*string*)

- The value of the token to pass to the API.

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '`--response-format-type`' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
    - table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.
    - list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.
    - object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.
    - string: Formats output data as a string. JSON objects/arrays are stringified.
  - Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- List all jobs with names beginning beginning with "ibmu":

- `zowe zos-ftp list jobs --prefix "ibmu*"`
- List Alice's jobs with names beginning beginning with "ibmu":
  - `zowe zos-ftp list jobs --prefix "ibmu*" --owner "alice"`

## **zowe** › **zos-ftp** › **list** › **spool-files-by-jobid**

Given a z/OS job JOBID, list the spool files (DDs) for a z/OS job on the JES/spool queues. The command does not pre-validate the JOBID.

### **Usage**

`zowe zos-ftp list spool-files-by-jobid <jobId> [options]`

### **Positional Arguments**

- `jobId` (*string*)
  - The z/OS JOBID of the job with the spool files you want to list. No pre-validation of the JOBID is performed.

### **FTP Connection options**

- `--host` | `-H` (*string*)
  - The hostname or IP address of the z/OS server to connect to.
- `--port` | `-P` (*number*)
  - The port of the z/OS FTP server.  
Default value: 21
- `--user` | `-u` (*string*)
  - Username for authentication on z/OS
- `--password` | `-p` | `--pass` | `--pw` (*string*)
  - Password to authenticate to FTP.
- `--secure-ftp` (*boolean*)
  - Set to true for both control and data connection encryption, 'control' for control connection encryption only, or 'implicit' for implicitly encrypted control connection (this

mode is deprecated in modern times, but usually uses port 990). Note: Unfortunately, this plugin's functionality only works with FTP and FTPS, not 'SFTP' which is FTP over SSH.

Default value: true

- `--connection-timeout` | `--ct` (*number*)
  - How long (in milliseconds) to wait for the control connection to be established.

Default value: 10000

## TLS / Secure Connection options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates. Only specify this if you are connecting to a secure FTP instance.
- `--server-name` | `--sn` (*string*)
  - Server name for the SNI (Server Name Indication) TLS extension. Only specify if you are connecting securely

## Profile Options

- `--zftp-profile` | `--zftp-p` (*string*)
  - The name of a (zftp) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '`--response-format-type`' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
    - table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.
    - list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.
    - object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.
    - string: Formats output data as a string. JSON objects/arrays are stringified.
  - Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- List the spool files of the job with JOBID JOB00123:
  - `zowe zos-ftp list spool-files-by-jobid job00123`

List USS files and subdirectories in a directory. Optional file name pattern like "prefix\*", "\*suffix", or "prefix\*suffix" can be specified at the end of directory. See EXAMPLES section.

The following values can be used with the `--response-format-filter` (`--rff`) argument to display more data from the data sets: name, size, owner, group, and permissions.

## Usage

```
zowe zos-ftp list uss-files <directory> [options]
```

## Positional Arguments

- `directory` (*string*)
  - The USS directory to list files in, or the directory with file name pattern

## FTP Connection options

- `--host` | `-H` (*string*)
  - The hostname or IP address of the z/OS server to connect to.
- `--port` | `-P` (*number*)
  - The port of the z/OS FTP server.  
  
Default value: 21
- `--user` | `-u` (*string*)
  - Username for authentication on z/OS
- `--password` | `-p` | `--pass` | `--pw` (*string*)
  - Password to authenticate to FTP.
- `--secure-ftp` (*boolean*)
  - Set to true for both control and data connection encryption, 'control' for control connection encryption only, or 'implicit' for implicitly encrypted control connection (this mode is deprecated in modern times, but usually uses port 990). Note: Unfortunately, this plugin's functionality only works with FTP and FTPS, not 'SFTP' which is FTP over SSH.  
  
Default value: true
- `--connection-timeout` | `--ct` (*number*)

- How long (in milliseconds) to wait for the control connection to be established.

Default value: 10000

## TLS / Secure Connection options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates. Only specify this if you are connecting to a secure FTP instance.
- `--server-name` | `--sn` (*string*)
  - Server name for the SNI (Server Name Indication) TLS extension. Only specify if you are connecting securely

## Profile Options

- `--zftp-profile` | `--zftp-p` (*string*)
  - The name of a (zftp) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '`--response-format-type`' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
    - table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.
    - list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.
    - object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.
    - string: Formats output data as a string. JSON objects/arrays are stringified.
  - Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- List USS files in the directory `"/u/users/ibmuser/":`

  - `zowe zos-ftp list uss-files "/u/users/ibmuser"`

- List USS files with suffix of ".txt" in the directory `"/u/users/ibmuser/":`

  - `zowe zos-ftp list uss-files "/u/users/ibmuser/*.txt"`

- List USS files in the directory `"/u/users/ibmuser/"` and show only the file name:
  - `zowe zos-ftp list uss-files "/u/users/ibmuser/" --rff name`

Make a USS directory

## [zowe](#) › [zos-ftp](#) › [make](#) › [uss-directory](#)

Make a Unix System Services Directory

### Usage

```
zowe zos-ftp make uss-directory <ussDirectory> [options]
```

### Positional Arguments

- `ussDirectory` (*string*)
  - The USS directory you'd like to make.

### FTP Connection options

- `--host` | `-H` (*string*)
  - The hostname or IP address of the z/OS server to connect to.
- `--port` | `-P` (*number*)
  - The port of the z/OS FTP server.  
  
Default value: 21
- `--user` | `-u` (*string*)
  - Username for authentication on z/OS
- `--password` | `-p` | `--pass` | `--pw` (*string*)
  - Password to authenticate to FTP.
- `--secure-ftp` (*boolean*)
  - Set to true for both control and data connection encryption, 'control' for control connection encryption only, or 'implicit' for implicitly encrypted control connection (this mode is deprecated in modern times, but usually uses port 990). Note: Unfortunately, this plugin's functionality only works with FTP and FTPS, not 'SFTP' which is FTP over SSH.

Default value: true

- `--connection-timeout` | `--ct` (*number*)

- How long (in milliseconds) to wait for the control connection to be established.

Default value: 10000

## TLS / Secure Connection options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates. Only specify this if you are connecting to a secure FTP instance.
- `--server-name` | `--sn` (*string*)
  - Server name for the SNI (Server Name Indication) TLS extension. Only specify if you are connecting securely

## Profile Options

- `--zftp-profile` | `--zftp-p` (*string*)
  - The name of a (zftp) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Make a USS directory "/u/users/ibmuser/mydir":
  - `zowe zos-ftp make uss-directory "/u/users/ibmuser/mydir"`

## zowe › zos-ftp › rename

---

Rename data sets and USS files or directories

### zowe › zos-ftp › rename › data-set

Rename a cataloged data set

## Usage

```
zowe zos-ftp rename data-set <oldDataSet> <newDataSet> [options]
```

## Positional Arguments

- `oldDataSet` (*string*)
  - The current name of the data set you want to rename.
- `newDataSet` (*string*)
  - The new name for the data set.

## FTP Connection options

- `--host` | `-H` (*string*)
  - The hostname or IP address of the z/OS server to connect to.
- `--port` | `-P` (*number*)
  - The port of the z/OS FTP server.

Default value: 21

- `--user` | `-u` (*string*)
  - Username for authentication on z/OS
- `--password` | `-p` | `--pass` | `--pw` (*string*)

- Password to authenticate to FTP.
- `--secure-ftp` (*boolean*)
  - Set to true for both control and data connection encryption, 'control' for control connection encryption only, or 'implicit' for implicitly encrypted control connection (this mode is deprecated in modern times, but usually uses port 990). Note: Unfortunately, this plugin's functionality only works with FTP and FTPS, not 'SFTP' which is FTP over SSH.

Default value: true

- `--connection-timeout` | `--ct` (*number*)
  - How long (in milliseconds) to wait for the control connection to be established.

Default value: 10000

## TLS / Secure Connection options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates. Only specify this if you are connecting to a secure FTP instance.
- `--server-name` | `--sn` (*string*)
  - Server name for the SNI (Server Name Indication) TLS extension. Only specify if you are connecting securely

## Profile Options

- `--zftp-profile` | `--zftp-p` (*string*)
  - The name of a (zftp) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Rename the data set `ibmuser.jcl` to `ibmuser.cntl`:
  - `zowe zos-ftp rename data-set ibmuser.jcl ibmuser.cntl`
- Rename the data set member `"ibmuser.cntl(alloc)"` to `"ibmuser.cntl(alloc2)"`. Note: you can only rename members within the same partitioned data set. You cannot move a member to another data set with this command.:
  - `zowe zos-ftp rename data-set "ibmuser.cntl(alloc)" "ibmuser.cntl(alloc2)"`

## [zowe](#) › [zos-ftp](#) › [rename](#) › [uss-file](#)

Rename a USS file or directory

### Usage

```
zowe zos-ftp rename uss-file <olduss> <newuss> [options]
```

### Positional Arguments

- `olduss` (*string*)
  - The current name of the USS file you want to rename.
- `newuss` (*string*)
  - The new name for the USS file.

### FTP Connection options

- `--host` | `-H` (*string*)
  - The hostname or IP address of the z/OS server to connect to.
- `--port` | `-P` (*number*)
  - The port of the z/OS FTP server.

Default value: 21
- `--user` | `-u` (*string*)
  - Username for authentication on z/OS
- `--password` | `-p` | `--pass` | `--pw` (*string*)
  - Password to authenticate to FTP.
- `--secure-ftp` (*boolean*)
  - Set to true for both control and data connection encryption, 'control' for control connection encryption only, or 'implicit' for implicitly encrypted control connection (this mode is deprecated in modern times, but usually uses port 990). Note: Unfortunately, this plugin's functionality only works with FTP and FTPS, not 'SFTP' which is FTP over SSH.

Default value: true
- `--connection-timeout` | `--ct` (*number*)
  - How long (in milliseconds) to wait for the control connection to be established.

Default value: 10000

## TLS / Secure Connection options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates. Only specify this if you are connecting to a secure FTP instance.
- `--server-name` | `--sn` (*string*)
  - Server name for the SNI (Server Name Indication) TLS extension. Only specify if you are connecting securely

## Profile Options

- `--zftp-profile` | `--zftp-p` (*string*)
  - The name of a (zftp) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.
 

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Rename the file `/u/users/ibmuser/hello.txt` to `/u/users/ibmuser/hello2.txt`:
  - `zowe zos-ftp rename uss-file "/u/users/ibmuser/hello.txt" "/u/users/ibmuser/hello2.txt"`

## [zowe](#) › [zos-ftp](#) › [submit](#)

---

Submit jobs from local files and data sets

## [zowe](#) › [zos-ftp](#) › [submit](#) › [data-set](#)

Submit a job from a cataloged data set containing JCL. The JCL will be downloaded via FTP and then submitted.

## Usage

zowe zos-ftp submit data-set <dataSet> [options]

## Positional Arguments

- `dataSet` (*string*)
  - The data set containing JCL that you would like to submit

## Options

- `--wait` | `-w` (*string*)
  - Specify job query interval and max times of querying job status. The format of this option is comma-separated numeric values. For example, '5,12' means queries job status every 5 seconds for 12 times at most.
- `--wait-for-output` | `--wfo` (*boolean*)
  - Wait for the job to enter OUTPUT status before completing the command.
- `--wait-for-active` | `--wfa` (*boolean*)
  - Wait for the job to enter ACTIVE status before completing the command.

## FTP Connection options

- `--host` | `-H` (*string*)
  - The hostname or IP address of the z/OS server to connect to.
- `--port` | `-P` (*number*)
  - The port of the z/OS FTP server.  
Default value: 21
- `--user` | `-u` (*string*)
  - Username for authentication on z/OS
- `--password` | `-p` | `--pass` | `--pw` (*string*)
  - Password to authenticate to FTP.
- `--secure-ftp` (*boolean*)

- Set to true for both control and data connection encryption, 'control' for control connection encryption only, or 'implicit' for implicitly encrypted control connection (this mode is deprecated in modern times, but usually uses port 990). Note: Unfortunately, this plugin's functionality only works with FTP and FTPS, not 'SFTP' which is FTP over SSH.

Default value: true

- `--connection-timeout` | `--ct` (*number*)

- How long (in milliseconds) to wait for the control connection to be established.

Default value: 10000

## TLS / Secure Connection options

- `--reject-unauthorized` | `--ru` (*boolean*)

- Reject self-signed certificates. Only specify this if you are connecting to a secure FTP instance.

- `--server-name` | `--sn` (*string*)

- Server name for the SNI (Server Name Indication) TLS extension. Only specify if you are connecting securely

## Profile Options

- `--zftp-profile` | `--zftp-p` (*string*)

- The name of a (zftp) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)

- The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)

- The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

- `--token-value` | `--tv` (*string*)

- The value of the token to pass to the API.

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '`--response-format-type`' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
    - table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.
    - list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.
    - object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.
    - string: Formats output data as a string. JSON objects/arrays are stringified.
  - Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- Submit a job residing in the data set "ibmuser.cntl(iefbr14)":

- `zowe zos-ftp submit data-set "ibmuser.cntl(iefbr14)"`
- Submit a job from the data set "ibmuser.cntl(iefbr14)" and print only the job ID:
  - `zowe zos-ftp submit data-set "ibmuser.cntl(iefbr14)" --rff jobid --rft string`
- Submit a job from the data set "ibmuser.cntl(iefbr14)" and wait for job complete.:
  - `zowe zos-ftp submit data-set "ibmuser.cntl(iefbr14)" --wait 5,12`

## [zowe](#) › [zos-ftp](#) › [submit](#) › [local-file](#)

Submit a job from a local file containing JCL

### Usage

```
zowe zos-ftp submit local-file <file> [options]
```

### Positional Arguments

- `file` (*local file path*)
  - The file you would like to submit as jcl

### Options

- `--wait` | `-w` (*string*)
  - Specify job query interval and max times of querying job status. The format of this option is comma-separated numeric values. For example, '5,12' means queries job status every 5 seconds for 12 times at most.
- `--wait-for-output` | `--wfo` (*boolean*)
  - Wait for the job to enter OUTPUT status before completing the command.
- `--wait-for-active` | `--wfa` (*boolean*)
  - Wait for the job to enter ACTIVE status before completing the command.

### FTP Connection options

- `--host` | `-H` (*string*)
  - The hostname or IP address of the z/OS server to connect to.

- `--port` | `-P` (*number*)
  - The port of the z/OS FTP server.

Default value: 21
- `--user` | `-u` (*string*)
  - Username for authentication on z/OS
- `--password` | `-p` | `--pass` | `--pw` (*string*)
  - Password to authenticate to FTP.
- `--secure-ftp` (*boolean*)
  - Set to true for both control and data connection encryption, 'control' for control connection encryption only, or 'implicit' for implicitly encrypted control connection (this mode is deprecated in modern times, but usually uses port 990). Note: Unfortunately, this plugin's functionality only works with FTP and FTPS, not 'SFTP' which is FTP over SSH.

Default value: true
- `--connection-timeout` | `--ct` (*number*)
  - How long (in milliseconds) to wait for the control connection to be established.

Default value: 10000

## TLS / Secure Connection options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates. Only specify this if you are connecting to a secure FTP instance.
- `--server-name` | `--sn` (*string*)
  - Server name for the SNI (Server Name Indication) TLS extension. Only specify if you are connecting securely

## Profile Options

- `--zftp-profile` | `--zftp-p` (*string*)
  - The name of a (zftp) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '--response-format-type' to reduce the output of a command to a single field/property or a list of a single field/property.

- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
    - table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.
    - list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.

object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.

string: Formats output data as a string. JSON objects/arrays are stringified.

Allowed values: table, list, object, string

- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- Submit a job from the local file "my\_build\_jcl.txt":
  - `zowe zos-ftp submit local-file "my_build_jcl.txt"`
- Submit a job from the local file "my\_build\_jcl.txt" and print only the job ID:
  - `zowe zos-ftp submit local-file "my_build_jcl.txt" --rff jobid --rft string`
- Submit a job from the local file "my\_build\_jcl.txt" and wait for job complete.:
  - `zowe zos-ftp submit local-file "my_build_jcl.txt" --wait 5,12`

## [zowe](#) › [zos-ftp](#) › [submit](#) › [stdin](#)

Submit a job from JCL written to the standard input (stdin) of this process.

## Usage

```
zowe zos-ftp submit stdin [options]
```

## Options

- `--wait` | `-w` (*string*)
  - Specify job query interval and max times of querying job status. The format of this option is comma-separated numeric values. For example, '5,12' means queries job status every 5 seconds for 12 times at most.
- `--wait-for-output` | `--wfo` (*boolean*)
  - Wait for the job to enter OUTPUT status before completing the command.
- `--wait-for-active` | `--wfa` (*boolean*)

- Wait for the job to enter ACTIVE status before completing the command.

## FTP Connection options

- `--host` | `-H` (*string*)
  - The hostname or IP address of the z/OS server to connect to.
- `--port` | `-P` (*number*)
  - The port of the z/OS FTP server.  
Default value: 21
- `--user` | `-u` (*string*)
  - Username for authentication on z/OS
- `--password` | `-p` | `--pass` | `--pw` (*string*)
  - Password to authenticate to FTP.
- `--secure-ftp` (*boolean*)
  - Set to true for both control and data connection encryption, 'control' for control connection encryption only, or 'implicit' for implicitly encrypted control connection (this mode is deprecated in modern times, but usually uses port 990). Note: Unfortunately, this plugin's functionality only works with FTP and FTPS, not 'SFTP' which is FTP over SSH.  
Default value: true
- `--connection-timeout` | `--ct` (*number*)
  - How long (in milliseconds) to wait for the control connection to be established.  
Default value: 10000

## TLS / Secure Connection options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates. Only specify this if you are connecting to a secure FTP instance.
- `--server-name` | `--sn` (*string*)

- Server name for the SNI (Server Name Indication) TLS extension. Only specify if you are connecting securely

## Profile Options

- `--zftp-profile` | `--zftp-p` (*string*)
  - The name of a (zftp) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '--response-format-type' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)

- The command response output format type. Must be one of the following:

table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.

list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.

object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.

string: Formats output data as a string. JSON objects/arrays are stringified.

Allowed values: table, list, object, string

- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- Submit a job from stdin, redirecting the contents of my\_jcl.txt in.:
  - `zowe zos-ftp submit stdin < my_jcl.txt`
- Submit a job from the local file "my\_build\_jcl.txt" and wait for job complete.:
  - `zowe zos-ftp submit stdin "my_build_jcl.txt" --wait 5,12`

## [zowe](#) › [zos-ftp](#) › [upload](#)

---

Upload data set and USS content

### [zowe](#) › [zos-ftp](#) › [upload](#) › [file-to-data-set](#)

Upload contents of a local file to a z/OS data set

#### Usage

```
zowe zos-ftp upload file-to-data-set <file> <dataSet> [options]
```

#### Positional Arguments

- `file` (*local file path*)

- Upload the contents of this file to the data set
- `dataSet` (*string*)
  - The data set (PDS member or physical sequential data set) to which you would like to upload content.

## Options

- `--binary` | `-b` (*boolean*)
  - Upload content in binary mode.
- `--dcb` (*string*)
  - DCB parameters for sequential dataset (PS dataset) allocation if not existing. It is space separated like RECFM=FB LRECL=326 BLKSIZE=23472
- `--encoding` | `--ec` (*string*)
  - The encoding for download and upload of z/OS data set.

## FTP Connection options

- `--host` | `-H` (*string*)
  - The hostname or IP address of the z/OS server to connect to.
- `--port` | `-P` (*number*)
  - The port of the z/OS FTP server.

Default value: 21
- `--user` | `-u` (*string*)
  - Username for authentication on z/OS
- `--password` | `-p` | `--pass` | `--pw` (*string*)
  - Password to authenticate to FTP.
- `--secure-ftp` (*boolean*)
  - Set to true for both control and data connection encryption, 'control' for control connection encryption only, or 'implicit' for implicitly encrypted control connection (this

mode is deprecated in modern times, but usually uses port 990). Note: Unfortunately, this plugin's functionality only works with FTP and FTPS, not 'SFTP' which is FTP over SSH.

Default value: true

- `--connection-timeout` | `--ct` (*number*)
  - How long (in milliseconds) to wait for the control connection to be established.

Default value: 10000

## TLS / Secure Connection options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates. Only specify this if you are connecting to a secure FTP instance.
- `--server-name` | `--sn` (*string*)
  - Server name for the SNI (Server Name Indication) TLS extension. Only specify if you are connecting securely

## Profile Options

- `--zftp-profile` | `--zftp-p` (*string*)
  - The name of a (zftp) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Upload to "ibmuser.cntl(iefbr14)" from the file iefbr14.txt:
  - `zowe zos-ftp upload file-to-data-set iefbr14.txt "ibmuser.cntl(iefbr14)"`
- Upload to "ibmuser.dataset" from the file dataset.txt with the DCB parameters:
  - `zowe zos-ftp upload file-to-data-set dataset.txt "ibmuser.dataset" --dcb "RECFM=FB LRECL=326 BLKSIZE=23472"`

## [zowe](#) › [zos-ftp](#) › [upload](#) › [file-to-uss-file](#)

Upload contents of a local to a Unix System Services file.

## Usage

```
zowe zos-ftp upload file-to-uss-file <file> <ussFile> [options]
```

## Positional Arguments

- `file` (*local file path*)
  - Upload the contents of this local file to a data set.
- `ussFile` (*string*)
  - The USS file to which you would like to upload content.

## Options

- `--binary` | `-b` (*boolean*)
  - Upload content in binary mode.

## FTP Connection options

- `--host` | `-H` (*string*)

- The hostname or IP address of the z/OS server to connect to.
- `--port` | `-P` (*number*)
  - The port of the z/OS FTP server.  
Default value: 21
- `--user` | `-u` (*string*)
  - Username for authentication on z/OS
- `--password` | `-p` | `--pass` | `--pw` (*string*)
  - Password to authenticate to FTP.
- `--secure-ftp` (*boolean*)
  - Set to true for both control and data connection encryption, 'control' for control connection encryption only, or 'implicit' for implicitly encrypted control connection (this mode is deprecated in modern times, but usually uses port 990). Note: Unfortunately, this plugin's functionality only works with FTP and FTPS, not 'SFTP' which is FTP over SSH.  
Default value: true
- `--connection-timeout` | `--ct` (*number*)
  - How long (in milliseconds) to wait for the control connection to be established.  
Default value: 10000

## TLS / Secure Connection options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates. Only specify this if you are connecting to a secure FTP instance.
- `--server-name` | `--sn` (*string*)
  - Server name for the SNI (Server Name Indication) TLS extension. Only specify if you are connecting securely

## Profile Options

- `--zftp-profile` | `--zftp-p` (*string*)

- The name of a (zftp) profile to load for this command execution.
- `--base-profile` | `--base-p` *(string)*
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` *(string)*
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` *(string)*
  - The value of the token to pass to the API.
- `--cert-file` *(local file path)*
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` *(local file path)*
  - The file path to a certificate key file to use for authentication

## Examples

- Upload to "/u/users/ibmuser/iefbr14.txt" from the file iefbr14.txt:
  - `zowe zos-ftp upload file-to-uss-file iefbr14.txt "/u/users/ibmuser/iefbr14.txt"`

## [zowe](#) › [zos-ftp](#) › [upload](#) › [stdin-to-data-set](#)

Upload contents piped to stdin to a z/OS data set

### Usage

```
zowe zos-ftp upload stdin-to-data-set <dataSet> [options]
```

### Positional Arguments

- `dataSet` *(string)*

- The data set (PDS member or physical sequential data set) to which you would like to upload content.

## Options

- `--binary` | `-b` (*boolean*)
  - Upload content in binary mode.
- `--encoding` | `--ec` (*string*)
  - The encoding for download and upload of z/OS data set.

## FTP Connection options

- `--host` | `-H` (*string*)
  - The hostname or IP address of the z/OS server to connect to.
- `--port` | `-P` (*number*)
  - The port of the z/OS FTP server.  
Default value: 21
- `--user` | `-u` (*string*)
  - Username for authentication on z/OS
- `--password` | `-p` | `--pass` | `--pw` (*string*)
  - Password to authenticate to FTP.
- `--secure-ftp` (*boolean*)
  - Set to true for both control and data connection encryption, 'control' for control connection encryption only, or 'implicit' for implicitly encrypted control connection (this mode is deprecated in modern times, but usually uses port 990). Note: Unfortunately, this plugin's functionality only works with FTP and FTPS, not 'SFTP' which is FTP over SSH.  
Default value: true
- `--connection-timeout` | `--ct` (*number*)
  - How long (in milliseconds) to wait for the control connection to be established.  
Default value: 10000

## TLS / Secure Connection options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates. Only specify this if you are connecting to a secure FTP instance.
- `--server-name` | `--sn` (*string*)
  - Server name for the SNI (Server Name Indication) TLS extension. Only specify if you are connecting securely

## Profile Options

- `--zftp-profile` | `--zftp-p` (*string*)
  - The name of a (zftp) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search [Troubleshooting PEM Certificates](#) in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Upload to "ibmuser.cntl(iefbr14)" from standard input (you can pipe into this command):

- `zowe zos-ftp upload stdin-to-data-set "ibmuser.cntl(iefbr14)"`

## [zowe](#) › [zos-ftp](#) › [upload](#) › [stdin-to-uss-file](#)

Upload from stdin to a Unix System Services File

### Usage

`zowe zos-ftp upload stdin-to-uss-file <ussFile> [options]`

### Positional Arguments

- `ussFile` (*string*)
  - The USS file to which you would like to upload content.

### Options

- `--binary` | `-b` (*boolean*)
  - Upload content in binary mode.

### FTP Connection options

- `--host` | `-H` (*string*)
  - The hostname or IP address of the z/OS server to connect to.
- `--port` | `-P` (*number*)
  - The port of the z/OS FTP server.  
Default value: 21
- `--user` | `-u` (*string*)
  - Username for authentication on z/OS
- `--password` | `-p` | `--pass` | `--pw` (*string*)
  - Password to authenticate to FTP.
- `--secure-ftp` (*boolean*)
  - Set to true for both control and data connection encryption, 'control' for control connection encryption only, or 'implicit' for implicitly encrypted control connection (this

mode is deprecated in modern times, but usually uses port 990). Note: Unfortunately, this plugin's functionality only works with FTP and FTPS, not 'SFTP' which is FTP over SSH.

Default value: true

- `--connection-timeout` | `--ct` (*number*)
  - How long (in milliseconds) to wait for the control connection to be established.

Default value: 10000

## TLS / Secure Connection options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates. Only specify this if you are connecting to a secure FTP instance.
- `--server-name` | `--sn` (*string*)
  - Server name for the SNI (Server Name Indication) TLS extension. Only specify if you are connecting securely

## Profile Options

- `--zftp-profile` | `--zftp-p` (*string*)
  - The name of a (zftp) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Upload to `"/u/users/ibmuser/iefbr14.txt"` from standard input (you can pipe into this command):
  - `zowe zos-ftp upload stdin-to-uss-file "/u/users/ibmuser/iefbr14.txt"`

## [zowe](#) › [zos-ftp](#) › [view](#)

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View data sets, job output, and USS content

### [zowe](#) › [zos-ftp](#) › [view](#) › [all-spool-by-jobid](#)

View all spool content for a job by providing the job id

## Usage

```
zowe zos-ftp view all-spool-by-jobid <jobid> [options]
```

## Positional Arguments

- `jobid` (*string*)
  - The ID of the job for which you would like to list spool files

## FTP Connection options

- `--host` | `-H` (*string*)
  - The hostname or IP address of the z/OS server to connect to.
- `--port` | `-P` (*number*)
  - The port of the z/OS FTP server.

Default value: 21

- `--user` | `-u` (*string*)

- Username for authentication on z/OS
- `--password` | `-p` | `--pass` | `--pw` (*string*)
  - Password to authenticate to FTP.
- `--secure-ftp` (*boolean*)
  - Set to true for both control and data connection encryption, 'control' for control connection encryption only, or 'implicit' for implicitly encrypted control connection (this mode is deprecated in modern times, but usually uses port 990). Note: Unfortunately, this plugin's functionality only works with FTP and FTPS, not 'SFTP' which is FTP over SSH.

Default value: true

- `--connection-timeout` | `--ct` (*number*)
  - How long (in milliseconds) to wait for the control connection to be established.

Default value: 10000

## TLS / Secure Connection options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates. Only specify this if you are connecting to a secure FTP instance.
- `--server-name` | `--sn` (*string*)
  - Server name for the SNI (Server Name Indication) TLS extension. Only specify if you are connecting securely

## Profile Options

- `--zftp-profile` | `--zftp-p` (*string*)
  - The name of a (zftp) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)

- The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- View all spool content for the job with ID JOB00123 (optionally abbreviating the job ID):
  - `zowe zos-ftp view all-spool-by-jobid j123`

## [zowe](#) › [zos-ftp](#) › [view](#) › [data-set](#)

View the contents of a z/OS data set

## Usage

```
zowe zos-ftp view data-set <dataSet> [options]
```

## Positional Arguments

- `dataSet` (*string*)
  - The data set (PDS member or physical sequential data set) which you would like to view the contents of.

## Options

- `--binary` | `-b` (*boolean*)
  - View content in binary form without converting to ASCII text
- `--encoding` | `--ec` (*string*)

- The encoding for download and upload of z/OS data set.

## FTP Connection options

- `--host` | `-H` (*string*)

- The hostname or IP address of the z/OS server to connect to.

- `--port` | `-P` (*number*)

- The port of the z/OS FTP server.

Default value: 21

- `--user` | `-u` (*string*)

- Username for authentication on z/OS

- `--password` | `-p` | `--pass` | `--pw` (*string*)

- Password to authenticate to FTP.

- `--secure-ftp` (*boolean*)

- Set to true for both control and data connection encryption, 'control' for control connection encryption only, or 'implicit' for implicitly encrypted control connection (this mode is deprecated in modern times, but usually uses port 990). Note: Unfortunately, this plugin's functionality only works with FTP and FTPS, not 'SFTP' which is FTP over SSH.

Default value: true

- `--connection-timeout` | `--ct` (*number*)

- How long (in milliseconds) to wait for the control connection to be established.

Default value: 10000

## TLS / Secure Connection options

- `--reject-unauthorized` | `--ru` (*boolean*)

- Reject self-signed certificates. Only specify this if you are connecting to a secure FTP instance.

- `--server-name` | `--sn` (*string*)

- Server name for the SNI (Server Name Indication) TLS extension. Only specify if you are connecting securely

## Profile Options

- `--zftp-profile` | `--zftp-p` (*string*)
  - The name of a (zftp) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- View the content of the data set "ibmuser.cntl(iefbr14)":
  - `zowe zos-ftp view data-set "ibmuser.cntl(iefbr14)"`
- View the content of the data set "ibmuser.loadlib(main)" and pipe it into the hex viewer program xxd:
  - `zowe zos-ftp view data-set "ibmuser.loadlib(main)" -b | xxd`

## zowe › zos-ftp › view › job-status-by-jobid

View status details of a single z/OS job on spool/JES queues. The command does not prevalidate the JOBID.

### Usage

```
zowe zos-ftp view job-status-by-jobid <jobId> [options]
```

### Positional Arguments

- `jobId` (*string*)
  - The ID of the jobfor which you would like to list spool files

### FTP Connection options

- `--host` | `-H` (*string*)
  - The hostname or IP address of the z/OS server to connect to.
- `--port` | `-P` (*number*)
  - The port of the z/OS FTP server.  
  
Default value: 21
- `--user` | `-u` (*string*)
  - Username for authentication on z/OS
- `--password` | `-p` | `--pass` | `--pw` (*string*)
  - Password to authenticate to FTP.
- `--secure-ftp` (*boolean*)
  - Set to true for both control and data connection encryption, 'control' for control connection encryption only, or 'implicit' for implicitly encrypted control connection (this mode is deprecated in modern times, but usually uses port 990). Note: Unfortunately, this plugin's functionality only works with FTP and FTPS, not 'SFTP' which is FTP over SSH.  
  
Default value: true
- `--connection-timeout` | `--ct` (*number*)
  - How long (in milliseconds) to wait for the control connection to be established.

Default value: 10000

## TLS / Secure Connection options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates. Only specify this if you are connecting to a secure FTP instance.
- `--server-name` | `--sn` (*string*)
  - Server name for the SNI (Server Name Indication) TLS extension. Only specify if you are connecting securely

## Profile Options

- `--zftp-profile` | `--zftp-p` (*string*)
  - The name of a (zftp) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.  
  
Note: The CLI does not support certificate files that require a password. For more information, search [Troubleshooting PEM Certificates](#) in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '`--response-format-type`' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
 

table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.

list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.

object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.

string: Formats output data as a string. JSON objects/arrays are stringified.

Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- View the status for the job with ID "JOB00123" (optionally abbreviating the ID):
  - `zowe zos-ftp view job-status-by-jobid j123`

## [zowe](#) › [zos-ftp](#) › [view](#) › [spool-file-by-id](#)

View the contents of a spool file from a z/OS job on spool/JES queues. The command does not pre-validate the JOBID or spool ID.

## Usage

```
zowe zos-ftp view spool-file-by-id <jobid> <spoolfileid> [options]
```

## Positional Arguments

- `jobid` (*string*)
  - The z/OS JOBID of the job containing the spool file you want to view. No pre-validation of the JOBID is performed.
- `spoolfileid` (*number*)
  - The spool file ID number for the spool file to view. No pre-validation of the ID is performed.

## FTP Connection options

- `--host` | `-H` (*string*)
  - The hostname or IP address of the z/OS server to connect to.
- `--port` | `-P` (*number*)
  - The port of the z/OS FTP server.

Default value: 21
- `--user` | `-u` (*string*)
  - Username for authentication on z/OS
- `--password` | `-p` | `--pass` | `--pw` (*string*)
  - Password to authenticate to FTP.
- `--secure-ftp` (*boolean*)
  - Set to true for both control and data connection encryption, 'control' for control connection encryption only, or 'implicit' for implicitly encrypted control connection (this mode is deprecated in modern times, but usually uses port 990). Note: Unfortunately, this plugin's functionality only works with FTP and FTPS, not 'SFTP' which is FTP over SSH.

Default value: true
- `--connection-timeout` | `--ct` (*number*)
  - How long (in milliseconds) to wait for the control connection to be established.

Default value: 10000

## TLS / Secure Connection options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates. Only specify this if you are connecting to a secure FTP instance.
- `--server-name` | `--sn` (*string*)
  - Server name for the SNI (Server Name Indication) TLS extension. Only specify if you are connecting securely

## Profile Options

- `--zftp-profile` | `--zftp-p` (*string*)
  - The name of a (zftp) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.
 

Note: The CLI does not support certificate files that require a password. For more information, search [Troubleshooting PEM Certificates](#) in Zowe Docs.
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- View the spool file with ID 4 for the job with job ID JOB00123:
  - `zowe zos-ftp view spool-file-by-id JOB00123 4`

## [zowe](#) › [zos-ftp](#) › [view](#) › [uss-file](#)

View the contents of a Unix System Services File

### Usage

```
zowe zos-ftp view uss-file <ussFile> [options]
```

### Positional Arguments

- `ussFile` (*string*)
  - The USS file you'd like to view the contents of.

### Options

- `--binary` | `-b` (*boolean*)
  - View content in binary form without converting to ASCII text

### FTP Connection options

- `--host` | `-H` (*string*)
  - The hostname or IP address of the z/OS server to connect to.
- `--port` | `-P` (*number*)
  - The port of the z/OS FTP server.  
Default value: 21
- `--user` | `-u` (*string*)
  - Username for authentication on z/OS
- `--password` | `-p` | `--pass` | `--pw` (*string*)
  - Password to authenticate to FTP.
- `--secure-ftp` (*boolean*)
  - Set to true for both control and data connection encryption, 'control' for control connection encryption only, or 'implicit' for implicitly encrypted control connection (this mode is deprecated in modern times, but usually uses port 990). Note: Unfortunately, this plugin's functionality only works with FTP and FTPS, not 'SFTP' which is FTP over SSH.

Default value: true

- `--connection-timeout` | `--ct` (*number*)
  - How long (in milliseconds) to wait for the control connection to be established.

Default value: 10000

## TLS / Secure Connection options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates. Only specify this if you are connecting to a secure FTP instance.
- `--server-name` | `--sn` (*string*)
  - Server name for the SNI (Server Name Indication) TLS extension. Only specify if you are connecting securely

## Profile Options

- `--zftp-profile` | `--zftp-p` (*string*)
  - The name of a (zftp) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- View the content of the USS file `"/u/users/ibmuser/myfile.txt"`:
  - `zowe zos-ftp view uss-file "/u/users/ibmuser/myfile.txt"`
- View the content of the USS file `"/u/users/ibmuser/myjava.jar"` in binary mode and pipe it into the hex viewer command `xxd`:
  - `zowe zos-ftp view uss-file "/u/users/ibmuser/myjava.jar" -b | xxd`

## zowe › zos-jobs

---

Manage z/OS jobs.

## zowe › zos-jobs › cancel

---

Cancel a single job by job ID. This cancels the job if it is running or on input.

## zowe › zos-jobs › cancel › job

Cancel a single job by job ID.

### Usage

```
zowe zos-jobs cancel job <jobid> [options]
```

### Positional Arguments

- `jobid` (*string*)
  - The job ID (e.g. JOB00123) of the job. Job ID is a unique identifier for z/OS batch jobs -- no two jobs on one system can have the same ID. Note: z/OS allows you to abbreviate the job ID if desired. You can use, for example "J123".

### Options

- `--modify-version` (*string*)
  - Using this option to set X-IBM-Job-Modify-Version to "1.0" will make the delete job API asynchronous. Otherwise, it will be synchronous by default.

Default value: 2.0

### Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.

Default value: 443

- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true

- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Cancel job with job ID JOB03456:
  - `zowe zos-jobs cancel job JOB03456`
- Cancel job with job ID JOB03456 synchronously:
  - `zowe zos-jobs cancel job JOB03456 --modify-version "2.0"`

## [zowe](#) › [zos-jobs](#) › [delete](#)

---

Delete a single job by job ID or delete multiple jobs in OUTPUT status.

### [zowe](#) › [zos-jobs](#) › [delete](#) › [job](#)

Delete a single job by job ID.

## Usage

```
zowe zos-jobs delete job <jobid> [options]
```

## Positional Arguments

- `jobid` (*string*)
  - The job ID (e.g. JOB00123) of the job. Job ID is a unique identifier for z/OS batch jobs -- no two jobs on one system can have the same ID. Note: z/OS allows you to abbreviate the job ID if desired. You can use, for example "J123".

## Options

- `--modify-version` (*string*)

- Using this option to set X-IBM-Job-Modify-Version to "1.0" will make the delete job API asynchronous. Otherwise, it will be synchronous by default.

Default value: 2.0

## Zosmf Connection Options

- `--host` | `-H` (*string*)

- The z/OSMF server host name.

- `--port` | `-P` (*number*)

- The z/OSMF server port.

Default value: 443

- `--user` | `-u` (*string*)

- Mainframe (z/OSMF) user name, which can be the same as your TSO login.

- `--password` | `--pass` | `--pw` (*string*)

- Mainframe (z/OSMF) password, which can be the same as your TSO password.

- `--reject-unauthorized` | `--ru` (*boolean*)

- Reject self-signed certificates.

Default value: true

- `--base-path` | `--bp` (*string*)

- The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.

- `--protocol` (*string*)

- The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)

- The file path to a certificate file to use for authentication

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Delete job with job ID JOB03456:
  - `zowe zos-jobs delete job JOB03456`
- Delete job with job ID JOB03456 synchronously:
  - `zowe zos-jobs delete job JOB03456 --modify-version "2.0"`

## [zowe](#) › [zos-jobs](#) › [delete](#) › [old-jobs](#)

Delete (purge) jobs in OUTPUT status. Defaults to deleting all jobs owned by your user ID that are in output status.

## Usage

```
zowe zos-jobs delete old-jobs [options]
```

## Options

- `--prefix` | `-p` (*string*)
  - Only delete jobs with job names that match this prefix. Defaults to deleting all jobs owned by your user ID that are in output status.
- `--max-concurrent-requests` | `--mcr` (*number*)
  - Specifies the maximum number of concurrent z/OSMF REST API requests to delete jobs. Increasing the value makes the command run faster. However, increasing the value increases resource consumption on z/OS and can be prone to errors caused by making too many concurrent requests. When you specify 0, Zowe CLI attempts to delete all jobs at once without a maximum number of concurrent requests.

Default value: 1

- `--modify-version` (*string*)
  - Using this option to set X-IBM-Job-Modify-Version to "1.0" will make the delete job API asynchronous. Otherwise, it will be synchronous by default.

Default value: 2.0

## Zosmf Connection Options

- `--host` | `-H` (*string*)
    - The z/OSMF server host name.
  - `--port` | `-P` (*number*)
    - The z/OSMF server port.
- Default value: 443
- `--user` | `-u` (*string*)
    - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
  - `--password` | `--pass` | `--pw` (*string*)
    - Mainframe (z/OSMF) password, which can be the same as your TSO password.
  - `--reject-unauthorized` | `--ru` (*boolean*)
    - Reject self-signed certificates.

Default value: true

- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)
 

Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Delete all of your jobs in output status with a job name starting with "ibmuser":
  - `zowe zos-jobs delete old-jobs -p "ibmuser*"`

## zowe › zos-jobs › download

---

Download the output of a job as separate files.

### zowe › zos-jobs › download › output

Download all job output to a local directory. Each spool DD will be downloaded to its own file in the directory.

#### Usage

```
zowe zos-jobs download output <jobid> [options]
```

#### Positional Arguments

- `jobid` (*string*)
  - The z/OS JOBID of the job containing the spool files you want to view. No pre-validation of the JOBID is performed.

#### Options

- `--directory` | `-d` | `--dir` (*string*)
  - The local directory you would like to download the output for the job to.
- `--extension` | `-e` (*string*)
  - A file extension to save the job output with. Defaults to '.txt'.
- `--omit-jobid-directory` | `--ojd` (*boolean*)
  - If specified, job output will be saved directly to the specified directory rather than creating a subdirectory named after the ID of the job.
- `--binary` | `-b` (*boolean*)
  - If specified, job output will be downloaded in binary format instead of performing text conversion. Conflicts with record.
- `--record` | `-r` (*boolean*)
  - If specified, job output will be downloaded in record format instead of performing text conversion. Conflicts with binary.
- `--encoding` | `--ec` (*string*)

- Download the spool file content with encoding mode, which means that data conversion is performed using the file encoding specified.
- `--wait-for-active` | `--wfa` (*boolean*)
  - Wait for the job to enter ACTIVE status before completing the command.
- `--wait-for-output` | `--wfo` (*boolean*)
  - Wait for the job to enter OUTPUT status before completing the command.
- `--record-range` | `--rr` (*string*)
  - Zero indexed range of records to download from a spool file. (example: 0-100)

### Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.
  - Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.
  - Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.

- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
  
Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Download all the output of the job with job ID JOB00234 to an automatically generated directory.:
  - `zowe zos-jobs download output JOB00234`
- Download the records in the range of 0 to 100 from a job spool.:
  - `zowe zos-jobs download output --record-range '0-100'`

## zowe › zos-jobs › list

---

List z/OS jobs and list the spool files (DDs) for a z/OS job on the JES/spool queues.

### zowe › zos-jobs › list › jobs

List jobs on JES spool/queues. By default, the command lists jobs owned (owner) by the user specified in your z/OSMF profile. The default for prefix is "\*". The command does not prevalidate your user ID. The command surfaces errors verbatim from the z/OSMF Jobs REST endpoints.

#### Usage

```
zowe zos-jobs list jobs [options]
```

#### Options

- `--owner` | `-o` (*string*)
  - Specify the owner of the jobs you want to list. The owner is the individual/user who submitted the job OR the user ID assigned to the job. The command does not prevalidate the owner. You can specify a wildcard according to the z/OSMF Jobs REST endpoint documentation, which is usually in the form "USER\*".
- `--prefix` | `-p` (*string*)
  - Specify the job name prefix of the jobs you want to list. The command does not prevalidate the owner. You can specify a wildcard according to the z/OSMF Jobs REST endpoint documentation, which is usually in the form "JOB\*".
- `--exec-data` | `--ed` (*boolean*)
  - Use this option to retrieve execution data for jobs via the z/OSMF REST API.

#### Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.

Default value: 443

- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '--response-format-type' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
 

table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.

list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.

object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.

string: Formats output data as a string. JSON objects/arrays are stringified.

Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)
  - If "--response-format-type table" is specified, include the column headers in the output.

## Examples

- List all jobs with default settings. The command returns jobs owned by your user ID with any job name:
  - `zowe zos-jobs list jobs`

- List all jobs owned by user IDs starting with 'ibmu' and job names starting with 'myjo':
  - `zowe zos-jobs list jobs -o "ibmu*" -p "myjo*"`
- List all jobs with default owner and prefix settings, displaying only the job ID of each job:
  - `zowe zos-jobs list jobs --rff jobid --rft table`
- List all jobs and return job execution data along with the default information:
  - `zowe zos-jobs list jobs --exec-data`
- List all jobs owned by user IDs starting with 'ibmu' and return job execution data along with the default information:
  - `zowe zos-jobs list jobs -o "ibmu*" --exec-data`
- List all jobs owned by user IDs starting with 'ibmu' and job names starting with 'myjo' and return job execution data along with the default information:
  - `zowe zos-jobs list jobs -o "ibmu*" -p "myjo*" --exec-data`

## [zowe](#) › [zos-jobs](#) › [list](#) › [spool-files-by-jobid](#)

Given a z/OS job JOBID, list the spool files (DDs) for a z/OS job on the JES/spool queues. The command does not pre-validate the JOBID. The command presents errors verbatim from the z/OSMF Jobs REST endpoints.

### Usage

```
zowe zos-jobs list spool-files-by-jobid <jobid> [options]
```

### Positional Arguments

- `jobid` (*string*)
  - The z/OS JOBID of the job with the spool files you want to list. No pre-validation of the JOBID is performed.

### Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)

- The z/OSMF server port.

Default value: 443

- `--user` | `-u` (*string*)

- Mainframe (z/OSMF) user name, which can be the same as your TSO login.

- `--password` | `--pass` | `--pw` (*string*)

- Mainframe (z/OSMF) password, which can be the same as your TSO password.

- `--reject-unauthorized` | `--ru` (*boolean*)

- Reject self-signed certificates.

Default value: true

- `--base-path` | `--bp` (*string*)

- The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.

- `--protocol` (*string*)

- The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)

- The file path to a certificate file to use for authentication

- `--cert-key-file` (*local file path*)

- The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)

- The name of a (zosmf) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)

- The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '`--response-format-type`' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
    - table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.
    - list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.
    - object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.
    - string: Formats output data as a string. JSON objects/arrays are stringified.
- Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- List the spool files of the job with JOBID JOB00123:

- `zowe zos-jobs list spool-files-by-jobid job00123`

## [zowe](#) › [zos-jobs](#) › [modify](#)

---

Modify the job class or the hold status of a job.

## [zowe](#) › [zos-jobs](#) › [modify](#) › [job](#)

Modify the job class or the hold status of a job.

### Usage

```
zowe zos-jobs modify job <jobid> [options]
```

### Positional Arguments

- `jobid` (*string*)
  - The job ID (e.g. JOB00123) of the job. Job ID is a unique identifier for z/OS batch jobs -- no two jobs on one system can have the same ID. Note: z/OS allows you to abbreviate the job ID if desired. You can use, for example "J123".

### Options

- `--jobclass` (*string*)
  - The job class (e.g. 'A', 'B', ...) assigned to the job.
- `--hold` (*boolean*)
  - Setting this flag will prevent a job from executing until entering a second command with the '--release' flag
- `--release` (*boolean*)
  - Flag that releases a held a job for execution

### Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.

- `--port` | `-P` (*number*)
  - The z/OSMF server port.
  - Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.
  - Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)
  - Default value: https
  - Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Modify class of job with job ID JOB0000:
  - `zowe zos-jobs modify job JOB0000 --jobclass A`
- Hold job with job ID JOB0000:
  - `zowe zos-jobs modify job JOB0000 --hold`
- Release job with job ID JOB0000:
  - `zowe zos-jobs modify job JOB0000 --release`

## [zowe](#) › [zos-jobs](#) › [search](#)

---

Search the spool output of a job.

### [zowe](#) › [zos-jobs](#) › [search](#) › [job](#)

Search the spool output of a job.

## Usage

```
zowe zos-jobs search job <jobname> [options]
```

## Positional Arguments

- `jobname` (*string*)

- The job name to search. Wildcards are accepted for the job name. You can use, for example "USERJOB\*" to search all jobs that start with USERJOB.

## Options

- `--search-string` | `--string` (*string*)
  - The string to search for in the spool output.
- `--search-regex` | `--regex` (*string*)
  - The regular expression to search for in the spool output.
- `--case-insensitive` | `--ci` (*boolean*)
  - The search is case insensitive or not.  
Default value: true
- `--search-limit` | `--sl` (*number*)
  - The maximum number of matching lines to return for an individual spool file.  
Default value: 100
- `--file-limit` | `--fl` (*number*)
  - The maximum number of spool files to search.  
Default value: 100

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)

- Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.
  - Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)
  - Default value: https
  - Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)

- The value of the token to pass to the API.

## Examples

- Search all jobs named USERJOB for the string "RC=0000":
  - `zowe zos-jobs search job "USERJOB" --search-string "RC=0000"`
- Search all jobs that start with USER for the string "ENDED":
  - `zowe zos-jobs search job "USER*" --search-string "ENDED"`
- Search all jobs named USERJOB for the string "COND CODE", with the options case sensitive and a search limit of 5:
  - `zowe zos-jobs search job "USERJOB" --search-string "COND CODE" --case-insensitive false --search-limit 5`

## zowe › zos-jobs › submit

---

Submit a job (JCL).

## zowe › zos-jobs › submit › data-set

Submit a job (JCL) contained in a data set. The data set may be of type physical sequential or a PDS member. The command does not pre-validate the data set name. The command presents errors verbatim from the z/OSMF Jobs REST endpoints. For more information about z/OSMF Jobs API errors, see the z/OSMF Jobs API REST documentation.

## Usage

```
zowe zos-jobs submit data-set <dataset> [options]
```

## Positional Arguments

- `dataset` (*string*)
  - The z/OS data set containing the JCL to submit. You can specify a physical sequential data set (for example, "DATA.SET") or a partitioned data set qualified by a member (for example, "DATA.SET(MEMBER)").

## Options

- `--volume` | `--vol` (*string*)

- The volume serial (VOLSER) where the data set resides. The option is required only when the data set is not catalogued on the system.
- `--wait-for-active` | `--wfa` (*boolean*)
  - Wait for the job to enter ACTIVE status before completing the command.
- `--wait-for-output` | `--wfo` (*boolean*)
  - Wait for the job to enter OUTPUT status before completing the command.
- `--view-all-spool-content` | `--vasc` (*boolean*)
  - Print all spool output. If you use this option you will wait for the job to complete.
- `--directory` | `-d` (*string*)
  - The local directory you would like to download the output of the job. Creates a subdirectory using the jobID as the name and files are titled based on DD names. If you use this option you will wait for the job to complete.
- `--extension` | `-e` (*string*)
  - A file extension to save the job output with. Default is '.txt'.
- `--jcl-symbols` | `--js` (*string*)
  - A string of JCL symbols to use for substitution. For symbol values with no spaces: "symbol1=value1 symbol2=value2 ...". When a value contains spaces, enclose the value in single quotes: "symbol1='value 1 with spaces' symbol2='value 2 with spaces' ...". To embed a single quote in a value, use two single quotes: "NAME=O"Brian".

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.

Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.

- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '`--response-format-type`' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
    - table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.
    - list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.
    - object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.
    - string: Formats output data as a string. JSON objects/arrays are stringified.
  - Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- Submit the JCL in the data set "ibmuser.cntl(deploy)":
  - `zowe zos-jobs submit data-set "ibmuser.cntl(deploy)"`
- Submit the JCL in the data set "ibmuser.cntl(deploy)", wait for the job to complete and print all output from the job:
  - `zowe zos-jobs submit data-set "ibmuser.cntl(deploy)" --vasc`

## zowe › zos-jobs › submit › local-file

Submit a job (JCL) contained in a local file. The command presents errors verbatim from the z/OSMF Jobs REST endpoints. For more information about z/OSMF Jobs API errors, see the z/OSMF Jobs API REST documentation.

### Usage

```
zowe zos-jobs submit local-file <localFile> [options]
```

### Positional Arguments

- `localFile` (*string*)
  - The local file containing the JCL to submit.

### Options

- `--wait-for-active` | `--wfa` (*boolean*)
  - Wait for the job to enter ACTIVE status before completing the command.
- `--wait-for-output` | `--wfo` (*boolean*)
  - Wait for the job to enter OUTPUT status before completing the command.
- `--view-all-spool-content` | `--vasc` (*boolean*)
  - Print all spool output. If you use this option you will wait for the job to complete.
- `--directory` | `-d` (*string*)
  - The local directory you would like to download the output of the job. Creates a subdirectory using the jobID as the name and files are titled based on DD names. If you use this option you will wait for the job to complete.
- `--extension` | `-e` (*string*)
  - A file extension to save the job output with. Default is '.txt'.
- `--jcl-symbols` | `--js` (*string*)
  - A string of JCL symbols to use for substitution. For symbol values with no spaces: "symbol1=value1 symbol2=value2 ...". When a value contains spaces, enclose the value in single quotes: "symbol1='value 1 with spaces' symbol2='value 2 with spaces' ...". To embed a single quote in a value, use two single quotes: "NAME=O"Brian".

- `--job-encoding` | `--je` (*string*)
  - The encoding that should be used to read the JCL into the z/OSMF JCL reader. JCL will be converted into this codepage from UTF-8 for the JES subsystem to parse.
- `--job-record-length` | `--jrl` (*number*)
  - The logical record length of the JCL being submitted.  
Default value: 80
- `--job-record-format` | `--jrf` (*string*)
  - The record format of the JCL being submitted, where V is variable, and F is fixed.  
Default value: F  
Allowed values: F, V

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--base-path` | `--bp` (*string*)

- The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
  
Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields.

In addition, you can use this option in conjunction with '--response-format-type' to reduce the output of a command to a single field/property or a list of a single field/property.

- `--response-format-type` | `--rft` (*string*)

- The command response output format type. Must be one of the following:

`table`: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.

`list`: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.

`object`: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.

`string`: Formats output data as a string. JSON objects/arrays are stringified.

Allowed values: table, list, object, string

- `--response-format-header` | `--rfh` (*boolean*)

- If "--response-format-type table" is specified, include the column headers in the output.

## Examples

- Submit the JCL in the file "iefbr14.txt":
  - `zowe zos-jobs submit local-file "iefbr14.txt"`

## [zowe](#) › [zos-jobs](#) › [submit](#) › [stdin](#)

Submit a job (JCL) passed to the command via the stdin stream. The command presents errors verbatim from the z/OSMF Jobs REST endpoints. For more information about z/OSMF Jobs API errors, see the z/OSMF Jobs API REST documentation.

## Usage

```
zowe zos-jobs submit stdin [options]
```

## Options

- `--wait-for-active` | `--wfa` (*boolean*)

- Wait for the job to enter ACTIVE status before completing the command.

- `--wait-for-output` | `--wfo` (*boolean*)
  - Wait for the job to enter OUTPUT status before completing the command.
- `--view-all-spool-content` | `--vasc` (*boolean*)
  - Print all spool output. If you use this option you will wait for the job to complete.
- `--directory` | `-d` (*string*)
  - The local directory you would like to download the output of the job. Creates a subdirectory using the jobID as the name and files are titled based on DD names. If you use this option you will wait for the job to complete.
- `--extension` | `-e` (*string*)
  - A file extension to save the job output with. Default is '.txt'.
- `--jcl-symbols` | `--js` (*string*)
  - A string of JCL symbols to use for substitution. For symbol values with no spaces: "symbol1=value1 symbol2=value2 ...". When a value contains spaces, enclose the value in single quotes: "symbol1='value 1 with spaces' symbol2='value 2 with spaces' ...". To embed a single quote in a value, use two single quotes: "NAME=O"Brian".
- `--job-encoding` | `--je` (*string*)
  - The encoding that should be used to read the JCL into the z/OSMF JCL reader. JCL will be converted into this codepage from UTF-8 for the JES subsystem to parse.
- `--job-record-length` | `--jrl` (*number*)
  - The logical record length of the JCL being submitted.

Default value: 80
- `--job-record-format` | `--jrf` (*string*)
  - The record format of the JCL being submitted, where V is variable, and F is fixed.

Default value: F  
Allowed values: F, V

## Zosmf Connection Options

- `--host` | `-H` (*string*)

- The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.
  - Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.
  - Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)
  - Default value: https
  - Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)

- The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '--response-format-type' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
    - table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.
    - list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.
    - object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.
    - string: Formats output data as a string. JSON objects/arrays are stringified.
  - Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)

- If "--response-format-type table" is specified, include the column headers in the output.

## Examples

- Submit the JCL in the file "iefbr14.txt" via standard in:
  - `zowe zos-jobs submit stdin < iefbr14.txt`
- Submit the JCL in the file "iefbr14.txt" via standard in from the output of another command:
  - `cat iefbr14.txt | zowe zos-jobs submit stdin`

## zowe › zos-jobs › submit › uss-file

Submit a job (JCL) contained in a USS file. The command does not pre-validate the USS file path. The command presents errors verbatim from the z/OSMF Jobs REST endpoints. For more information about z/OSMF Jobs API errors, see the z/OSMF Jobs API REST documentation.

## Usage

```
zowe zos-jobs submit uss-file <file> [options]
```

## Positional Arguments

- `file` (*string*)
  - Path to the USS file that contains the JCL to submit.

## Options

- `--wait-for-active` | `--wfa` (*boolean*)
  - Wait for the job to enter ACTIVE status before completing the command.
- `--wait-for-output` | `--wfo` (*boolean*)
  - Wait for the job to enter OUTPUT status before completing the command.
- `--view-all-spool-content` | `--vasc` (*boolean*)
  - Print all spool output. If you use this option you will wait for the job to complete.
- `--directory` | `-d` (*string*)
  - The local directory you would like to download the output of the job. Creates a subdirectory using the jobID as the name and files are titled based on DD names. If you

use this option you will wait for the job to complete.

- `--extension` | `-e` (*string*)
  - A file extension to save the job output with. Default is '.txt'.
- `--jcl-symbols` | `--js` (*string*)
  - A string of JCL symbols to use for substitution. For symbol values with no spaces: "symbol1=value1 symbol2=value2 ...". When a value contains spaces, enclose the value in single quotes: "symbol1='value 1 with spaces' symbol2='value 2 with spaces' ...". To embed a single quote in a value, use two single quotes: "NAME=O"Brian".

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)

- The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '--response-format-type' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:

table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.

list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.

object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.

string: Formats output data as a string. JSON objects/arrays are stringified.

Allowed values: table, list, object, string

- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- Submit the JCL in the USS file `"/a/ibmuser/compile.jcl"`:
  - `zowe zos-jobs submit uss-file "/a/ibmuser/compile.jcl"`
- Submit the JCL in the USS file `"/a/ibmuser/compile.jcl"`, wait for the job to complete and print all output from the job:
  - `zowe zos-jobs submit uss-file "/a/ibmuser/compile.jcl" --vasc`

## [zowe](#) › [zos-jobs](#) › [view](#)

---

View details of z/OS jobs on spool/JES queues.

## [zowe](#) › [zos-jobs](#) › [view](#) › [all-spool-content](#)

View the contents of each spool file from a z/OS job on spool/JES queues. The command does not pre-validate the JOBID. The command presents errors verbatim from the z/OSMF Jobs REST endpoints.

### Usage

```
zowe zos-jobs view all-spool-content <jobid> [options]
```

### Positional Arguments

- `jobid` (*string*)
  - The z/OS JOBID of the job containing the spool files you want to view. No pre-validation of the JOBID is performed.

## Options

- `--encoding` | `--ec` (*string*)
  - Download the spool file content with encoding mode, which means that data conversion is performed using the file encoding specified.

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- View all spool files for the job with job ID JOB00234:
  - `zowe zos-jobs view all-spool-content JOB00234`

## [zowe](#) › [zos-jobs](#) › [view](#) › [job-status-by-jobid](#)

View status details of a single z/OS job on spool/JES queues. The command does not prevalidate the JOBID. The command presents errors verbatim from the z/OSMF Jobs REST endpoints (expect for "no jobs found").

## Usage

zowe zos-jobs view job-status-by-jobid <jobid> [options]

## Positional Arguments

- `jobid` (*string*)
  - The z/OS JOBID of the job you want to view. No prevalidation of the JOBID is performed.

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
Default value: https  
Allowed values: http, https

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '--response-format-type' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:  
  
table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.

list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.

object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.

string: Formats output data as a string. JSON objects/arrays are stringified.

Allowed values: table, list, object, string

- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- View status and other details of the job with the job ID JOB00123:
  - `zowe zos-jobs view job-status-by-jobid j123`
- Print only the status (for example, "OUTPUT" or "ACTIVE") of the job with the job ID JOB00123:
  - `zowe zos-jobs view job-status-by-jobid j123 --rff status --rft string`

## [zowe](#) › [zos-jobs](#) › [view](#) › [spool-file-by-id](#)

View the contents of a spool file from a z/OS job on spool/JES queues. The command does not pre-validate the JOBID or spool ID. The command presents errors verbatim from the z/OSMF Jobs REST endpoints.

## Usage

```
zowe zos-jobs view spool-file-by-id <jobid> <spoolfileid> [options]
```

## Positional Arguments

- `jobid` (*string*)
  - The z/OS JOBID of the job containing the spool file you want to view. No pre-validation of the JOBID is performed.
- `spoolfileid` (*number*)
  - The spool file ID number for the spool file to view. Use the "`zowe zos-jobs list spool-files-by-jobid`" command to obtain spool ID numbers.No pre-validation of the ID is performed.

## Options

- `--encoding` | `--ec` (*string*)
  - Download the spool file content with encoding mode, which means that data conversion is performed using the file encoding specified.

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)

- The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- View the spool file with ID 4 for the job with job ID JOB00123:
  - `zowe zos-jobs view spool-file-by-id JOB00123 4`

## zowe › zos-logs

---

Interact with z/OS logs.

### zowe › zos-logs › list

---

List z/OS logs by invoking z/OSMF REST API.

#### zowe › zos-logs › list › logs

List z/OS operlog within a time range.

Use this operation to get the z/OS operations logs. It invokes z/OSMF REST API to retrieve logs.

Executing 'zowe zos-logs list logs' will by default return logs from current time and backwards to 10 minutes before.

Note: OPERLOG needs to be configured on z/OS server.

#### Usage

```
zowe zos-logs list logs [options]
```

#### Options

- `--start-time` | `--st` (*string*)
  - Specify the time in ISO-8601 time format from when z/OSMF will start to retrieve the logs. For example, '2021-01-26T03:33:18.065Z', '2021-01-26T11:33:18.065+08:00'. Default is the current time.
- `--direction` | `-d` (*string*)
  - Specify the direction when retrieving the message log. Either 'forward' or 'backward' is valid, case insensitive.  
  
Default value: backward  
Allowed values: forward, backward
- `--range` | `-r` (*string*)
  - Specify a time range in which the logs will be retrieved. The format is like nnnu, nnn is 1-999, u is one of 's', 'm', 'h', for example, '999s', '20m', '3h'.

Default value: 10m

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.

- `--port` | `-P` (*number*)
  - The z/OSMF server port.

Default value: 443

- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true

- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.

- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)

- The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- List logs starting from '2021-07-26T03:38:37.098Z' and forwards to 5 minutes later:
  - `zowe zos-logs list logs --start-time 2021-07-26T03:38:37.098Z --range 5m --direction forward`
- List logs starting from '2021-07-26T03:38:37.098Z' and forwards to 5 minutes later. Alias version of the above command:
  - `zowe zos-logs list logs --st 2021-07-26T03:38:37.098Z -r 5m -d forward`
- List logs starting from '2021-07-26T03:38:37.098Z' and backwards to 5 minutes before:
  - `zowe zos-logs list logs --start-time 2021-07-26T03:38:37.098Z --range 5m`

## zowe › zos-ssh

---

Issue z/OS USS commands remotely using an SSH session. Output from the commands is displayed on the local terminal.

## zowe › zos-ssh › issue

---

Issue a z/OS USS command.

## zowe › zos-ssh › issue › command

Issue a z/OS USS command

Note: The common CLI 'Base Connection Options' of token-type and token-value are not applicable to the ssh command, since the ssh service is not accessible through APIML.

### Usage

```
zowe zos-ssh issue command <command> [options]
```

### Positional Arguments

- `command` (*string*)
  - z/OS USS command to issue.

### Options

- `--cwd` (*string*)
  - Working directory in which to execute the command.

### z/OS Ssh Connection Options

- `--host` | `-H` (*string*)
  - The z/OS SSH server host name.
- `--port` | `-P` (*number*)
  - The z/OS SSH server port.

Default value: 22

- `--user` | `-u` (*string*)
  - Mainframe user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe password, which can be the same as your TSO password.
- `--privateKey` | `--key` | `--pk` (*string*)
  - Path to a file containing your private key, that must match a public key stored in the server for authentication
- `--keyPassphrase` | `--passphrase` | `--kp` (*string*)
  - Private key passphrase, which unlocks the private key.
- `--handshakeTimeout` | `--timeout` | `--to` (*number*)
  - How long in milliseconds to wait for the SSH handshake to complete.

## Profile Options

- `--ssh-profile` | `--ssh-p` (*string*)
  - The name of a (ssh) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.
  - Default value: true
- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication.

Note: The CLI does not support certificate files that require a password. For more information, search Troubleshooting PEM Certificates in Zowe Docs.

- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Examples

- Issue a simple command, giving the working directory:
  - `zowe zos-ssh issue command "npm install express" --cwd /u/cicprov/mnt/CICPY01I/bundles/myapp`

## zowe › zos-tso

---

Issue TSO commands and interact with TSO address spaces.

## zowe › zos-tso › issue

---

Issue TSO commands.

## zowe › zos-tso › issue › command

Creates a TSO address space, issues a TSO command through the newly created address space, waits for the READY prompt to print the response, and terminates the TSO address space. All response data are returned to the user up to (but not including) the TSO 'READY' prompt.

### Usage

```
zowe zos-tso issue command <commandText> [options]
```

### Positional Arguments

- `commandText` (*string*)
  - The TSO command to issue.

### Options

- `--suppress-startup-messages` | `--ssm` (*boolean*)
  - Suppress console messages from start of address space.  
Default value: true
- `--stateful` | `--sf` (*boolean*)
  - Statefulness of address space created for TSO command. This option is not supported when `--suppress-startup-messages` is set to false.  
Default value: false

### TSO ADDRESS SPACE OPTIONS

- `--account` | `-a` (*string*)

- Your z/OS TSO/E accounting information.
- `--character-set` | `--cs` (*string*)
  - Character set for address space to convert messages and responses from UTF-8 to EBCDIC.
  - Default value: 697
- `--code-page` | `--cp` (*string*)
  - Codepage value for TSO/E address space to convert messages and responses from UTF-8 to EBCDIC.
  - Default value: 1047
- `--columns` | `--cols` (*number*)
  - The number of columns on a screen.
  - Default value: 80
- `--logon-procedure` | `-l` (*string*)
  - The logon procedure to use when creating TSO procedures on your behalf.
  - Default value: IZUFPROC
- `--region-size` | `--rs` (*number*)
  - Region size for the TSO/E address space.
  - Default value: 4096
- `--rows` (*number*)
  - The number of rows on a screen.
  - Default value: 24

### Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)

- The z/OSMF server port.

Default value: 443

- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true

- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https  
Allowed values: http, https

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--tso-profile` | `--tso-p` (*string*)

- The name of a (tso) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Issue the TSO command "status" to display information about jobs for your user ID.:
  - `zowe zos-tso issue command "status"`

## [zowe](#) › [zos-tso](#) › [ping](#)

---

Ping a TSO address space, from which you previously started and received a token (a.k.a 'servlet-key').

### [zowe](#) › [zos-tso](#) › [ping](#) › [address-space](#)

Ping a TSO address space, from which you previously started and received a token (a.k.a 'servlet-key').

## Usage

```
zowe zos-tso ping address-space <servletKey> [options]
```

## Positional Arguments

- `servletKey` (*string*)
  - The servlet key from a previously started TSO address space.

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.

Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Ping the TSO address space identified by IBMUSER-329-aafkaaoc:
  - `zowe zos-tso ping address-space IBMUSER-329-aafkaaoc`

## [zowe](#) › [zos-tso](#) › [receive](#)

---

Receive message from TSO address space app

### [zowe](#) › [zos-tso](#) › [receive](#) › [app](#)

Receive message from TSO address space app,

## Usage

`zowe zos-tso receive app [options]`

## TSO ADDRESS SPACE OPTIONS

- `--account` | `-a` (*string*)
  - Your z/OS TSO/E accounting information.
- `--character-set` | `--cs` (*string*)

- Character set for address space to convert messages and responses from UTF-8 to EBCDIC.

Default value: 697

- `--code-page` | `--cp` (*string*)

- Codepage value for TSO/E address space to convert messages and responses from UTF-8 to EBCDIC.

Default value: 1047

- `--columns` | `--cols` (*number*)

- The number of columns on a screen.

Default value: 80

- `--logon-procedure` | `-l` (*string*)

- The logon procedure to use when creating TSO procedures on your behalf.

Default value: IZUFPROC

- `--region-size` | `--rs` (*number*)

- Region size for the TSO/E address space.

Default value: 4096

- `--rows` (*number*)

- The number of rows on a screen.

Default value: 24

## Required Options

- `--app-key` | `--ak` (*string*)

- App key of application running at TSO address space, app key should be the value established when app instance was started

- `--servlet-key` | `--sk` (*string*)

- Servlet Key of TSO address space

## Options

- `--receive-until-ready` | `--rur` (*boolean*)
  - Receives data until keyword is received or timeout

Default value: false
- `--timeout` | `-t` (*number*)
  - Timeout length in seconds, all data at the time of timeout will be returned to user

Default value: 600

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.

Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)

- The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--tso-profile` | `--tso-p` (*string*)
  - The name of a (tso) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## [zowe](#) › [zos-tso](#) › [send](#)

---

Send data to TSO and collect responses until the prompt is reached.

## [zowe](#) › [zos-tso](#) › [send](#) › [address-space](#)

Send data to the TSO address space, from which you previously started and received a token (a.k.a 'servlet-key').

## Usage

zowe zos-tso send address-space <servletKey> [options]

## Positional Arguments

- `servletKey` (*string*)
  - The servlet key from a previously started TSO address space.

## Required Options

- `--data` (*string*)
  - The data to which we want to send to the TSO address space represented by the servlet key.

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this

option if you are not using an API mediation layer.

- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
  
Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- "Send the TIME TSO command to the TSO address space identified by IBMUSER-329-aafkaaoc":
  - `zowe zos-tso send address-space IBMUSER-329-aafkaaoc --data "TIME"`

Send message to an application at a TSO address space,

## Usage

zowe zos-tso send app [options]

### TSO ADDRESS SPACE OPTIONS

- `--account` | `-a` (*string*)
  - Your z/OS TSO/E accounting information.
- `--character-set` | `--cs` (*string*)
  - Character set for address space to convert messages and responses from UTF-8 to EBCDIC.
  - Default value: 697
- `--code-page` | `--cp` (*string*)
  - Codepage value for TSO/E address space to convert messages and responses from UTF-8 to EBCDIC.
  - Default value: 1047
- `--columns` | `--cols` (*number*)
  - The number of columns on a screen.
  - Default value: 80
- `--logon-procedure` | `-l` (*string*)
  - The logon procedure to use when creating TSO procedures on your behalf.
  - Default value: IZUFPROC
- `--region-size` | `--rs` (*number*)
  - Region size for the TSO/E address space.
  - Default value: 4096
- `--rows` (*number*)
  - The number of rows on a screen.

Default value: 24

## Required Options

- `--app-key` | `--ak` (*string*)
  - App key of application running at TSO address space, app key should be the value established when app instance was started
- `--servlet-key` | `--sk` (*string*)
  - Servlet Key of TSO address space
- `--message` | `-m` (*string*)
  - Message payload to be sent to the TSO address space application

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this

option if you are not using an API mediation layer.

- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--tso-profile` | `--tso-p` (*string*)
  - The name of a (tso) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## [zowe](#) › [zos-tso](#) › [start](#)

---

Start TSO/E address space.

## [zowe](#) › [zos-tso](#) › [start](#) › [address-space](#)

Start a TSO address space, from which you will receive a token (a.k.a 'servlet-key') for further address space interaction (e.g. termination).

### Usage

```
zowe zos-tso start address-space [options]
```

### TSO ADDRESS SPACE OPTIONS

- `--account` | `-a` (*string*)
  - Your z/OS TSO/E accounting information.
- `--character-set` | `--cs` (*string*)
  - Character set for address space to convert messages and responses from UTF-8 to EBCDIC.
  - Default value: 697
- `--code-page` | `--cp` (*string*)
  - Codepage value for TSO/E address space to convert messages and responses from UTF-8 to EBCDIC.
  - Default value: 1047
- `--columns` | `--cols` (*number*)
  - The number of columns on a screen.
  - Default value: 80
- `--logon-procedure` | `-l` (*string*)
  - The logon procedure to use when creating TSO procedures on your behalf.
  - Default value: IZUFPROC
- `--region-size` | `--rs` (*number*)
  - Region size for the TSO/E address space.
  - Default value: 4096

- `--rows` (*number*)
  - The number of rows on a screen.

Default value: 24

## Options

- `--servlet-key-only` | `--sko` (*boolean*)
  - Specify this option to print only the servlet key

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.

Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--tso-profile` | `--tso-p` (*string*)
  - The name of a (tso) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Start TSO/E address space:
  - `zowe zos-tso start address-space`
- Start TSO/E address space, and receive response in JSON format:
  - `zowe zos-tso start address-space --rfj`
- Start TSO/E address space, and print only the servlet key:

- `zowe zos-tso start address-space --sko`

## [zowe](#) › [zos-tso](#) › [start](#) › [app](#)

Start application at TSO address space,

### Usage

```
zowe zos-tso start app [options]
```

### TSO ADDRESS SPACE OPTIONS

- `--account` | `-a` (*string*)
  - Your z/OS TSO/E accounting information.
- `--character-set` | `--cs` (*string*)
  - Character set for address space to convert messages and responses from UTF-8 to EBCDIC.
  - Default value: 697
- `--code-page` | `--cp` (*string*)
  - Codepage value for TSO/E address space to convert messages and responses from UTF-8 to EBCDIC.
  - Default value: 1047
- `--columns` | `--cols` (*number*)
  - The number of columns on a screen.
  - Default value: 80
- `--logon-procedure` | `-l` (*string*)
  - The logon procedure to use when creating TSO procedures on your behalf.
  - Default value: IZUFPROC
- `--region-size` | `--rs` (*number*)
  - Region size for the TSO/E address space.
  - Default value: 4096

- `--rows` (*number*)
  - The number of rows on a screen.

Default value: 24

## Required Options

- `--app-key` | `--ak` (*string*)
  - App key of application running at TSO address space, this app key value should be referenced when sending or receiving messages from the application instance
- `--startup` | `--sc` (*string*)
  - Command to be ran to start application at the TSO address space

## Options

- `--queue-id` | `--qi` (*string*)
  - Queue ID of TSO address space
- `--servlet-key` | `--sk` (*string*)
  - Servlet Key of TSO address space

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.

Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
  
Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--tso-profile` | `--tso-p` (*string*)
  - The name of a (tso) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## [zowe](#) › [zos-tso](#) › [stop](#)

---

Stop TSO/E address space.

### [zowe](#) › [zos-tso](#) › [stop](#) › [address-space](#)

Stop a TSO address space, from which you previously started and received a token (a.k.a 'servlet-key').

#### Usage

```
zowe zos-tso stop address-space <servletkey> [options]
```

#### Positional Arguments

- `servletkey` (*string*)
  - The servlet key from a previously started TSO address space.

#### Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true

- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Stop the TSO address space identified by IBMUSER-329-aafkaoc:

- `zowe zos-tso stop address-space IBMUSER-329-aafkaaoc`

## zowe › zos-workflows

---

Create and manage z/OSMF workflows on a z/OS system.

## zowe › zos-workflows › archive

---

Archive workflow instance in z/OSMF.

## zowe › zos-workflows › archive › active-workflow

Archive an active workflow instance in z/OSMF.

### Usage

```
zowe zos-workflows archive active-workflow [options]
```

### Options

- `--workflow-name` | `--wn` (*string*)
  - The name of the workflow to be archived.
- `--workflow-key` | `--wk` (*string*)
  - The workflow key of the workflow to be archived.

### Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)

- Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.
  - Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)
  - Default value: https
  - Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)

- The value of the token to pass to the API.

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '`--response-format-type`' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
    - table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.
    - list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.
    - object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.
    - string: Formats output data as a string. JSON objects/arrays are stringified.
  - Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- Archive a workflow with workflow name "testworkflow":
  - `zowe zos-workflows archive active-workflow --wn "testworkflow"`
- Archive multiple workflows with workflow names starting with "test":
  - `zowe zos-workflows archive active-workflow --wn "test.*"`
- Archive a workflow with workflow key "123-456-abv-xyz":
  - `zowe zos-workflows archive active-workflow --wk "123-456-abv-xyz"`

## zowe › zos-workflows › create

---

Create a z/OSMF workflow on a z/OS system.

### zowe › zos-workflows › create › workflow-from-data-set

Create a z/OSMF workflow on a z/OS system using a data set.

#### Usage

```
zowe zos-workflows create workflow-from-data-set <workflowName> [options]
```

#### Positional Arguments

- `workflowName` (*string*)
  - Name of the workflow

#### Required Options

- `--data-set` | `--ds` (*string*)
  - Data set that contains a workflow definition.
- `--system-name` | `--sn` (*string*)
  - z/OS system to execute the workflow.
- `--owner` | `--ow` (*string*)
  - User ID of the workflow owner. This user can perform the workflow steps or delegate the steps to other users.

#### Options

- `--variables-input-file` | `--vif` (*string*)
  - Specifies an optional properties file that you can use to pre-specify values for one or more of the variables that are defined in the workflow definition file.
- `--variables` | `--vs` (*string*)
  - Includes a list of variables for the workflow. The variables that you specify here take precedence over the variables that are specified in the workflow variable input file. Make

sure the value meets all regular expression requirements set for the corresponding variable.

- `--assign-to-owner` | `--ato` (*boolean*)
  - Indicates whether the workflow steps are assigned to the workflow owner.
- `--access-type` | `--at` (*string*)
  - Specifies the access type for the workflow. Public, Restricted or Private.  
Allowed values: Public, Restricted, Private
- `--delete-completed` | `--dc` (*boolean*)
  - Whether the successfully completed jobs to be deleted from the JES spool.
- `--overwrite` | `--ov` (*boolean*)
  - Replaces an existing workflow with a new workflow.

### Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--base-path` | `--bp` (*string*)

- The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields.

In addition, you can use this option in conjunction with '--response-format-type' to reduce the output of a command to a single field/property or a list of a single field/property.

- `--response-format-type` | `--rft` (*string*)

- The command response output format type. Must be one of the following:

`table`: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.

`list`: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.

`object`: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.

`string`: Formats output data as a string. JSON objects/arrays are stringified.

Allowed values: table, list, object, string

- `--response-format-header` | `--rfh` (*boolean*)

- If "--response-format-type table" is specified, include the column headers in the output.

## Examples

- Create a workflow with name "testworkflow" using the data set "TESTID.WKFLOW" that contains the workflow definition xml on the system "TESTM1" with owner "OTHERID" and delete workflow with the same name if it already exists in z/OSMF:
  - `zowe zos-workflows create workflow-from-data-set "testworkflow" --data-set "TESTID.WKFLOW" --system-name "TESTM1" --owner "OTHERID" --overwrite`
- Create a workflow with name "testworkflow" using data set "TESTID.WKFLOW" containing workflow definition xml, on system "TESTM1" with owner "MYSYSID" and delete successfully completed jobs:
  - `zowe zos-workflows create workflow-from-data-set "testworkflow" --data-set "TESTID.WKFLOW" --system-name "TESTM1" --owner "MYSYSID" --delete-completed`
- Create a workflow with name "testworkflow" using data set "TESTID.WKFLOW" containing workflow definition xml, on system "TESTM1" with owner "MYSYSID" and with variable values in the member PROPERTIES of data set TESTID.DATA:

- `zowe zos-workflows create workflow-from-data-set "testworkflow" --data-set "TESTID.WKFLOW" --system-name "TESTM1" --owner "MYSYSID" --variables-input-file TESTID.DATA(PROPERTIES)`
- Create a workflow with name "testworkflow" using the data set "TESTID.WKFLOW" that contains a workflow definition xml, on a system "TESTM1" with owner "MYSYSID" and with the variable name DUMMYVAR and the value DUMMYVAL. Assign it to the owner:
  - `zowe zos-workflows create workflow-from-data-set "testworkflow" --data-set "TESTID.WKFLOW" --system-name "TESTM1" --owner "MYSYSID" --variables DUMMYVAR=DUMMYVAL --assign-to-owner`

## [zowe](#) › [zos-workflows](#) › [create](#) › [workflow-from-local-file](#)

Create a z/OSMF workflow on a z/OS system using a local file.

### Usage

```
zowe zos-workflows create workflow-from-local-file <workflowName> [options]
```

### Positional Arguments

- `workflowName` (*string*)
  - Name of the workflow

### Required Options

- `--local-file` | `--lf` (*string*)
  - Local file that contains workflow definition.
- `--system-name` | `--sn` (*string*)
  - z/OS system to execute the workflow.
- `--owner` | `--ow` (*string*)
  - User ID of the workflow owner. This user can perform the workflow steps or delegate the steps to other users.

### Options

- `--variables-input-file` | `--vif` (*string*)

- Specifies an optional properties file that you can use to pre-specify values for one or more of the variables that are defined in the workflow definition file.
- `--variables` | `--vs` (*string*)
  - Includes a list of variables for the workflow. The variables that you specify here take precedence over the variables that are specified in the workflow variable input file. Make sure the value meets all regular expression requirements set for the corresponding variable.
- `--assign-to-owner` | `--ato` (*boolean*)
  - Indicates whether the workflow steps are assigned to the workflow owner.
- `--access-type` | `--at` (*string*)
  - Specifies the access type for the workflow. Public, Restricted or Private.  
Allowed values: Public, Restricted, Private
- `--delete-completed` | `--dc` (*boolean*)
  - Whether the successfully completed jobs to be deleted from the JES spool.
- `--overwrite` | `--ov` (*boolean*)
  - Replaces an existing workflow with a new workflow.
- `--remote-directory` | `--rd` (*string*)
  - The remote USS directory where the files are to be uploaded. The directory has to exist.
- `--keep-files` | `--kf` (*boolean*)
  - Avoid deletion the uploaded files in /tmp or another specified directory after successful execution.  
Default value: false

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)

- The z/OSMF server port.

Default value: 443

- `--user` | `-u` (*string*)

- Mainframe (z/OSMF) user name, which can be the same as your TSO login.

- `--password` | `--pass` | `--pw` (*string*)

- Mainframe (z/OSMF) password, which can be the same as your TSO password.

- `--reject-unauthorized` | `--ru` (*boolean*)

- Reject self-signed certificates.

Default value: true

- `--base-path` | `--bp` (*string*)

- The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.

- `--protocol` (*string*)

- The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)

- The file path to a certificate file to use for authentication

- `--cert-key-file` (*local file path*)

- The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)

- The name of a (zosmf) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)

- The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '--response-format-type' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
    - table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.
    - list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.
    - object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.
    - string: Formats output data as a string. JSON objects/arrays are stringified.
- Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)
  - If "--response-format-type table" is specified, include the column headers in the output.

## Examples

- Create a workflow with name "testworkflow" using the local file "TESTID\_WKFLOW.xml" that contains the workflow definition xml on the system "TESTM1" with owner "OTHERID" and delete workflow with the same name if it already exists in z/OSMF:

- `zowe zos-workflows create workflow-from-local-file "testworkflow" --local-file "TESTID_WKFLOW.xml" --system-name "TESTM1" --owner "OTHERID" --overwrite`

## [zowe](#) › [zos-workflows](#) › [create](#) › [workflow-from-uss-file](#)

Create a workflow instance in z/OSMF using a USS file.

### Usage

```
zowe zos-workflows create workflow-from-uss-file <workflowName> [options]
```

### Positional Arguments

- `workflowName` (*string*)
  - Name of the workflow instance to create

### Required Options

- `--uss-file` | `--uf` (*string*)
  - USS file that contains workflow definition.
- `--system-name` | `--sn` (*string*)
  - z/OS system to execute the workflow.
- `--owner` | `--ow` (*string*)
  - User ID of the workflow owner. This user can perform the workflow steps or delegate the steps to other users.

### Options

- `--variables-input-file` | `--vif` (*string*)
  - Specifies an optional properties file that you can use to pre-specify values for one or more of the variables that are defined in the workflow definition file.
- `--variables` | `--vs` (*string*)

- Includes a list of variables for the workflow. The variables that you specify here take precedence over the variables that are specified in the workflow variable input file. Make sure the value meets all regular expression requirements set for the corresponding variable.
- `--assign-to-owner` | `--ato` (*boolean*)
  - Indicates whether the workflow steps are assigned to the workflow owner.
- `--access-type` | `--at` (*string*)
  - Specifies the access type for the workflow. Public, Restricted or Private.  
Allowed values: Public, Restricted, Private
- `--delete-completed` | `--dc` (*boolean*)
  - Whether the successfully completed jobs to be deleted from the JES spool.
- `--overwrite` | `--ov` (*boolean*)
  - Replaces an existing workflow with a new workflow.

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true

- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)

- Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '--response-format-type' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
 

table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.

list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.

object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.

string: Formats output data as a string. JSON objects/arrays are stringified.

Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)
  - If "--response-format-type table" is specified, include the column headers in the output.

## Examples

- Create a workflow with name "testworkflow" using uss file "/path/workflow.xml" containing workflow definition, on system "TESTM1" with owner "OTHERID" and delete workflow with the same name if it already exists in z/OSMF:
  - `zowe zos-workflows create workflow-from-uss-file "testworkflow" --uss-file "/path/workflow.xml" --system-name "TESTM1" --owner "OTHERID" --overwrite`
- Create a workflow with name "testworkflow" using uss file "/path/workflow.xml" containing workflow definition, on system "TESTM1" with owner "MYSYSID" and delete successfully completed jobs:
  - `zowe zos-workflows create workflow-from-uss-file "testworkflow" --uss-file "/path/workflow.xml" --system-name "TESTM1" --owner "MYSYSID" --delete-completed`

- Create a workflow with name "testworkflow" using uss file "/path/workflow.xml" containing workflow definition, on system "TESTM1" with owner "MYSYSID" and with variable values in the member PROPERTIES of data set TESTID.DATA:
  - `zowe zos-workflows create workflow-from-uss-file "testworkflow" --uss-file "/path/workflow.xml" --system-name "TESTM1" --owner "MYSYSID" --variables-input-file TESTID.DATA(PROPERTIES)`
- Create a workflow with name "testworkflow" using uss file "/path/workflow.xml" containing workflow definition, on system "TESTM1" with owner "MYSYSID" and with variables VAR1 and VAR2 with values DUMMYVAL1 and DUMMYVAL2, and assign it to the owner:
  - `zowe zos-workflows create workflow-from-uss-file "testworkflow" --uss-file "/path/workflow.xml" --system-name "TESTM1"--variables VAR1=DUMMYVAL1,VAR2=DUMMYVAL2 --owner "MYSYSID" --assign-to-owner`

## [zowe](#) › [zos-workflows](#) › [delete](#)

---

Delete an active workflow or an archived workflow from z/OSMF.

### [zowe](#) › [zos-workflows](#) › [delete](#) › [active-workflow](#)

Delete an active workflow instance in z/OSMF.

#### Usage

```
zowe zos-workflows delete active-workflow [options]
```

#### Options

- `--workflow-key` | `--wk` (*string*)
  - Delete active workflow by specified workflow key
- `--workflow-name` | `--wn` (*string*)
  - Delete active workflow by specified workflow name

#### Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.

- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.

- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- To delete a workflow instance in z/OSMF with workflow key "d043b5f1-adab-48e7-b7c3-d41cd95fa4b0":
  - `zowe zos-workflows delete active-workflow --workflow-key "d043b5f1-adab-48e7-b7c3-d41cd95fa4b0"`
- To delete a workflow instance in z/OSMF with workflow name "testWorkflow":
  - `zowe zos-workflows delete active-workflow --workflow-name "testWorkflow"`
- To delete multiple workflow instances in z/OSMF with names starting with "test":
  - `zowe zos-workflows delete active-workflow --workflow-name "test.*"`

## [zowe](#) › [zos-workflows](#) › [delete](#) › [archived-workflow](#)

Delete an archived workflow from z/OSMF.

### Usage

```
zowe zos-workflows delete archived-workflow [options]
```

### Options

- `--workflow-key` | `--wk` (*string*)
  - Delete an archived workflow by specified workflow key
- `--workflow-name` | `--wn` (*string*)

- Delete an archived workflow by specified workflow name

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)

- The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- To delete an archived workflow from z/OSMF with workflow key "d043b5f1-adab-48e7-b7c3-d41cd95fa4b0":
  - `zowe zos-workflows delete archived-workflow --workflow-key "d043b5f1-adab-48e7-b7c3-d41cd95fa4b0"`
- To delete an archived workflow from z/OSMF with workflow name "testWorkflow":
  - `zowe zos-workflows delete archived-workflow --workflow-name "testWorkflow"`
- To delete multiple archived workflows from z/OSMF with names beginning with "test":
  - `zowe zos-workflows delete archived-workflow --workflow-name "test.*"`

## [zowe](#) › [zos-workflows](#) › [list](#)

---

List the z/OSMF workflows for a system or a sysplex with filter options.

## [zowe](#) › [zos-workflows](#) › [list](#) › [active-workflow-details](#)

Get the details of an active z/OSMF workflow.

## Usage

zowe zos-workflows list active-workflow-details [options]

## Options

- `--workflow-name` | `--wn` (*string*)
  - List active workflow details by specified workflow name.
- `--workflow-key` | `--wk` (*string*)
  - List active workflow details by specified workflow key.
- `--list-steps` | `--ls` (*boolean*)
  - Optional parameter for listing steps and their properties.
- `--steps-summary-only` | `--sso` (*boolean*)
  - Optional parameter that lists steps summary only.
- `--list-variables` | `--lv` (*boolean*)
  - Optional parameter for listing variables and their properties.
- `--skip-workflow-summary` | `--sws` (*boolean*)
  - Optional parameter that skips the default workflow summary.

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.

- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.

- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- To list the details of an active workflow with key "7c62c790-0340-86b2-61ce618d8f8c" including its steps and variables:
  - `zowe zos-workflows list active-workflow-details --workflow-key "7c62c790-0340-86b2-61ce618d8f8c" --list-steps --list-variables`
- To list the details of an active workflow with name "testWorkflow" including its steps and variables:
  - `zowe zos-workflows list active-workflow-details --workflow-name "testWorkflow" --list-steps --list-variables`

## [zowe](#) › [zos-workflows](#) › [list](#) › [active-workflows](#)

List active workflow instance(s) in z/OSMF.

Multiple filters can be used together.

Omitting all options will list all workflows on the sysplex.

## Usage

```
zowe zos-workflows list active-workflows [options]
```

## Options

- `--workflow-name` | `--wn` (*string*)
  - Filter by workflow name. For wildcard use `.*`
- `--category` | `--cat` (*string*)
  - Filter by the category of the workflows, which is either general or configuration.
- `--system` | `--sys` (*string*)
  - Filter by the nickname of the system on which the workflows is/are active.
- `--owner` | `--ow` (*string*)
  - Filter by owner of the workflow(s) (a valid z/OS user ID).

- `--vendor` | `--vd` (*string*)
  - Filter by the name of the vendor that provided the workflow(s) definition file.
- `--status-name` | `--sn` (*string*)
  - Filter by the status of the workflow(s).

Allowed values: in-progress, complete, automation-in-progress, canceled

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.

Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.

Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)

Default value: https

Allowed values: http, https

- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '--response-format-type' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:

table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.

list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.

object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.

string: Formats output data as a string. JSON objects/arrays are stringified.

Allowed values: table, list, object, string

- `--response-format-header` | `--rfh` (*boolean*)
  - If "`--response-format-type table`" is specified, include the column headers in the output.

## Examples

- List the workflow with name "testworkflow":
  - `zowe zos-workflows list active-workflows --wn "testworkflow"`
- List multiple active workflows on the entire sysplex with names containing "workflow":
  - `zowe zos-workflows list active-workflows --wn ".*workflow.*"`
- List multiple active workflows on system "IBMSYS" with names beginning with "testW" that are in status "complete":
  - `zowe zos-workflows list active-workflows --wn "test.*" --sys "IBMSYS" --sn "complete"`

## [zowe](#) › [zos-workflows](#) › [list](#) › [archived-workflows](#)

List the archived z/OSMF workflows for a system or sysplex.

### Usage

```
zowe zos-workflows list archived-workflows [options]
```

### Zosmf Connection Options

- `--host` | `-H` (*string*)

- The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)

- The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Response Format Options

- `--response-format-filter` | `--rff` (*array*)
  - Filter (include) fields in the response. Accepts an array of field/property names to include in the output response. You can filter JSON objects properties OR table columns/fields. In addition, you can use this option in conjunction with '--response-format-type' to reduce the output of a command to a single field/property or a list of a single field/property.
- `--response-format-type` | `--rft` (*string*)
  - The command response output format type. Must be one of the following:
    - table: Formats output data as a table. Use this option when the output data is an array of homogeneous JSON objects. Each property of the object will become a column in the table.
    - list: Formats output data as a list of strings. Can be used on any data type (JSON objects/arrays) are stringified and a new line is added after each entry in an array.
    - object: Formats output data as a list of prettified objects (or single object). Can be used in place of "table" to change from tabular output to a list of prettified objects.
    - string: Formats output data as a string. JSON objects/arrays are stringified.

Allowed values: table, list, object, string
- `--response-format-header` | `--rfh` (*boolean*)

- If "--response-format-type table" is specified, include the column headers in the output.

## [zowe](#) › [zos-workflows](#) › [list](#) › [definition-file-details](#)

Retrieve the contents of a z/OSMF workflow definition from a z/OS system.

### Usage

```
zowe zos-workflows list definition-file-details <definitionFilePath> [options]
```

### Positional Arguments

- `definitionFilePath` (*string*)
  - Specifies the location of the workflow definition file, which is either a UNIX path name or a fully qualified z/OS data set name.

### Options

- `--list-steps` | `--ls` (*boolean*)
  - Optional parameter for listing steps and their properties.
- `--list-variables` | `--lv` (*boolean*)
  - Optional parameter for listing variables and their properties.

### Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.

- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- To list the contents of a workflow definition stored in the UNIX file "/user/dir/workflow.xml" including its steps and variables:
  - `zowe zos-workflows list definition-file-details "/user/dir/workflow.xml" --list-steps --list-variables`
- To list the contents of a workflow definition stored in the z/OS data set "USER.DATA.SET.XML" including its steps and variables:
  - `zowe zos-workflows list definition-file-details "USER.DATA.SET.XML" --list-steps --list-variables`

## zowe › zos-workflows › start

---

Start a z/OSMF workflow on a z/OS system.

### zowe › zos-workflows › start › workflow-full

Will run workflow from the beginning to the end or to the first manual step.

## Usage

```
zowe zos-workflows start workflow-full [options]
```

## Options

- `--workflow-key` | `--wk` (*string*)
  - Workflow key of workflow instance to be started
- `--workflow-name` | `--wn` (*string*)
  - Workflow name of workflow instance to be started
- `--resolve-conflict-by` | `--rcb` (*string*)
  - How variable conflicts should be handled.  
Options:  
outputFileValue: Allow the output file values to override the existing values.  
existingValue: Use the existing variables values instead of the output file values.  
leaveConflict: Automation is stopped. The user must resolve the conflict manually.

Default value: outputFileValue

Allowed values: outputFileValue, existingValue, leaveConflict

- `--wait` | `-w` (*boolean*)
  - Identifies whether to wait for workflow instance to finish.

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
  
Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)

- The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- To start a workflow instance in z/OSMF with workflow key "d043b5f1-adab-48e7-b7c3-d41cd95fa4b0":
  - `zowe zos-workflows start workflow-full --workflow-key "d043b5f1-adab-48e7-b7c3-d41cd95fa4b0"`
- To start a workflow instance in z/OSMF with workflow key "d043b5f1-adab-48e7-b7c3-d41cd95fa4b0" and wait for it to be finished:
  - `zowe zos-workflows start workflow-full --workflow-key "d043b5f1-adab-48e7-b7c3-d41cd95fa4b0" --wait`
- To start a workflow instance in z/OSMF with workflow key "d043b5f1-adab-48e7-b7c3-d41cd95fa4b0" and if there is a conflict in variable's value use the value that is in output file:
  - `zowe zos-workflows start workflow-full --workflow-key "d043b5f1-adab-48e7-b7c3-d41cd95fa4b0" --resolve-conflict-by "outputFileValue"`

- To start a workflow instance in z/OSMF with workflow name "testWorkflow":
  - `zowe zos-workflows start workflow-full --workflow-name "testWorkflow"`

## [zowe](#) › [zos-workflows](#) › [start](#) › [workflow-step](#)

Will run given step of workflow instance plus following steps if specified by `--perform-following-steps` option.

### Usage

```
zowe zos-workflows start workflow-step <stepName> [options]
```

### Positional Arguments

- `stepName` (*string*)
  - Specifies the step name that will be run.

### Options

- `--workflow-key` | `--wk` (*string*)
  - Workflow key of workflow instance to be started
- `--workflow-name` | `--wn` (*string*)
  - Workflow name of workflow instance to be started
- `--resolve-conflict-by` | `--rcb` (*string*)
  - How variable conflicts should be handled.  
Options:  
outputFileValue: Allow the output file values to override the existing values.  
existingValue: Use the existing variables values instead of the output file values.  
leaveConflict: Automation is stopped. The user must resolve the conflict manually.  
  
Default value: outputFileValue  
Allowed values: outputFileValue, existingValue, leaveConflict
- `--perform-following-steps` | `--pfs` (*boolean*)
  - Identifies whether to perform also following steps in the workflow instance.  
  
Default value: false

## Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true
- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)  
Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- To start step "Step1" only in a workflow instance in z/OSMF with workflow key "d043b5f1-adab-48e7-b7c3-d41cd95fa4b0":
  - `zowe zos-workflows start workflow-step "Step1" --workflow-key "d043b5f1-adab-48e7-b7c3-d41cd95fa4b0"`
- To start a workflow instance in z/OSMF from step "Step1" with workflow key "d043b5f1-adab-48e7-b7c3-d41cd95fa4b0":
  - `zowe zos-workflows start workflow-step "Step1" --workflow-key "d043b5f1-adab-48e7-b7c3-d41cd95fa4b0" --perform-following-steps`
- To start step "Step1" only in a workflow instance in z/OSMF with workflow key "d043b5f1-adab-48e7-b7c3-d41cd95fa4b0" and if there is a conflict in variable's value use the value that is in output file:
  - `zowe zos-workflows start workflow-step "Step1" --workflow-key "d043b5f1-adab-48e7-b7c3-d41cd95fa4b0" --resolve-conflict-by "outputFileValue"`
- To start step "Step1" only in a workflow instance in z/OSMF with workflow name "testWorkflow":
  - `zowe zos-workflows start workflow-step "Step1" --workflow-name "testWorkflow"`

## zowe › zosmf

---

Retrieve and show the properties of a z/OSMF web server.

## zowe › zosmf › check

---

Confirm that z/OSMF is running on a specified system and gather information about the z/OSMF server for diagnostic purposes.

## zowe › zosmf › check › status

Confirm that z/OSMF is running on a system specified in your profile and gather information about the z/OSMF server for diagnostic purposes. The command outputs properties of the z/OSMF server such as version, hostname, and installed plug-ins.

### Usage

```
zowe zosmf check status [options]
```

### Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true

- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)
 

Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Report the status of the z/OSMF server that you specified in your default z/OSMF profile:
  - `zowe zosmf check status`

- Report the status of the z/OSMF server that you specified in a supplied z/OSMF profile:

- `zowe zosmf check status --zosmf-profile SomeZosmfProfileName`

- Report the status of the z/OSMF server that you specified manually via command line:

- `zowe zosmf check status --host myhost --port 443 --user myuser --password mypass`

## [zowe](#) › [zosmf](#) › [list](#)

---

Obtain a list of systems that are defined to a z/OSMF instance.

### [zowe](#) › [zosmf](#) › [list](#) › [systems](#)

Obtain a list of systems that are defined to a z/OSMF instance.

#### Usage

```
zowe zosmf list systems [options]
```

#### Zosmf Connection Options

- `--host` | `-H` (*string*)
  - The z/OSMF server host name.
- `--port` | `-P` (*number*)
  - The z/OSMF server port.  
Default value: 443
- `--user` | `-u` (*string*)
  - Mainframe (z/OSMF) user name, which can be the same as your TSO login.
- `--password` | `--pass` | `--pw` (*string*)
  - Mainframe (z/OSMF) password, which can be the same as your TSO password.
- `--reject-unauthorized` | `--ru` (*boolean*)
  - Reject self-signed certificates.  
Default value: true

- `--base-path` | `--bp` (*string*)
  - The base path for your API mediation layer instance. Specify this option to prepend the base path to all z/OSMF resources when making REST requests. Do not specify this option if you are not using an API mediation layer.
- `--protocol` (*string*)
  - The protocol used (HTTP or HTTPS)
 

Default value: https  
Allowed values: http, https
- `--cert-file` (*local file path*)
  - The file path to a certificate file to use for authentication
- `--cert-key-file` (*local file path*)
  - The file path to a certificate key file to use for authentication

## Profile Options

- `--zosmf-profile` | `--zosmf-p` (*string*)
  - The name of a (zosmf) profile to load for this command execution.
- `--base-profile` | `--base-p` (*string*)
  - The name of a (base) profile to load for this command execution.

## Base Connection Options

- `--token-type` | `--tt` (*string*)
  - The type of token to get and use for the API. Omit this option to use the default token type, which is provided by 'zowe auth login'.
- `--token-value` | `--tv` (*string*)
  - The value of the token to pass to the API.

## Examples

- Obtain a list of systems defined to a z/OSMF instance with your default z/OSMF profile:
  - `zowe zosmf list systems`

- Obtain a list of systems defined to a z/OSMF instance for the specified z/OSMF profile:
  - `zowe zosmf list systems --zosmf-profile SomeZosmfProfileName`
- Obtain a list of the systems defined to a z/OSMF instance that you specified in the command line:
  - `zowe zosmf list systems --host myhost --port 443 --user myuser --password mypass`