ENOVIA DESIGNSYNC ADVANCED COMMAND QUICK REFERENCE

add - Adds new objects to a module

```
add  [-[no]candidates] [-filter <string>] [-modulecontext
<workspace>]

[-[no]recursive [-[no]emptydirs]]]

[-report {error | brief | normal | verbose}] [-no[selected]] [--]

[<workspace module>] <argument> [<argument...>]
```

addbackref - Adds whereused support to targets of hierarchical references

```
addbackref [-[no]recursive] <argument>
```

addcdslib - Specifies a cds.lib file

```
addcdslib <path>
```

addhref - Creates a hierarchical reference between modules

```
addhref <fromargument> <toargument>  [-name <name>]

[-relpath <rel_path>] [-selector] [-rootpath <path>]


addhref <fromargument> [-file <filename> |-tcllist

<toargument_specification_list>] [-relpath <rel_path>] [-rootpath
<path>]


addhref [-selector] [--] <fromargument> <toargument>
[<toargument>...]
```

alias - Creates, shows, or removes a command alias

```
alias  [-args <#>] {-list | -delete <alias_name> | <alias_name>

{<cmd> [&& <cmd> ...]}} [-temporary] [--]
```

annotate - Shows last modification information per line

```
annotate [-back <number> | -from <selector>] [-output <filename> ]

[-version <selector>] [-[no]white] [--] <argument>
```

auto_mkindex - Indexes stcl procedures

```
auto_mkindex <directory_name> [<file>...]
```

Note: This command is supported only in stcl mode.

auto_reset - Resets the Tcl autoload index

```
auto_reset
```

Note: This command is supported only in stcl mode.

backup - Backs up a SyncServer

```
backup [-from <date>]
```

cachescrubber - Cleans the cache of outdated or unused files

```
cachescrubber <cache directory> [<age in days>] [-dryrun] [-noref]

[-preds32] [-report <mode>]
```

cachetouchlinks - Determines which files to be cleaned by the cachescrubber command

```
cachetouchlinks  [-checkerrors] [-dryrun] [-ignoreerrs]

[-file <workspace-path-list>| -path <path-to-workspace-dir>]

[-norecursive]  [-report <mode>]
```

cancel - Cancels a previous checkout operation

```
cancel [-exclude <object>[,<object>...]] [-filter <string>]

[-[no]force] [-hreffilter <string>]

[-keep | -share | -mirror | -reference] [-modulecontext <context>]

[-[no]selected] [-[no]retain] [-trigarg <arg>] [--] [<argument>

[<argument>...]]
```

cd - Changes your current directory

See a Tcl language reference manual.

ci - Checks in the specified objects

```
ci [-autohrefversions | -[no]hrefversions]

[-branch <branch> | -branch auto(<branch>)]

[-[no]comment"<text>" | -cfile <file>] [-datatype ascii | binary]

[-[no]dryrun] [-exclude <object>[,<object>...]]

[-filter <string>] [-[no]force] [-hreffilter <string>]

[-[no]iflock] [-keep [-keys <mode>] | -lock

[-keys <mode>] | -share | -mirror | -reference]

[-modulecontext <context>] [-[no]new] [-[no]recursive]

[-report {error | brief | normal | verbose}] [-[no]resume]

[-[no]retain] [-[no]retry] [-[no]selected] [-[no]skip]

[-tag <tagname>] [-trigarg <arg>] [--] [<argument> [<argument>...]]
```

co - Checks out the specified objects

```
co  [-[no]comment "text"] [-[no]force] [-exclude
<object>[,<object>...]]
```

```
[[-lock [[-keys <mode>] | [-from {local | vault}]] [-merge]

[-reference]] | [-get  [[-keys <mode>] | [-from {local | vault}]]

[-overlay <selector>[,<selector>...]]] | -share  | -mirror |

-reference] [-merge] [-[no]recursive] [-[no]retain]

[-savelocal <value>] [-[no]selected] [-trigarg <arg>]

[-[no]unifystate] [-version <selector>[,<selector>...]]

[--] [<argument> [<argument>...]]
```

compare - Compares two defined sets of files or objects

```
compare [-format list|text] [-[no]history] [-exclude <string>]

[-filter <string>] [-hreffilter <string>]

[ -modulecontext <context>] [-output <file> |

-stream <stream>]  [-[no]path] [-recursive | -norecursive]

[-report silent|brief|normal|verbose] [-[no]same]

[-selector <selector> [-hrefmode dynamic|static|normal]]

[-selector2 <selector2> [-hrefmode2 dynamic|static|normal]]

[-view <viewName>[,<ViewName>[,...]]] [--] [argument [argument]]
```

compare-foreach - Function to process the results of a compare command

```
compare-foreach <var1> <var2> <result_list> <tcl_script> [-nofolder]

[-path]
```

contents - Lists the contents of a configuration or a module

```
contents [-exclude <object> [,<object>...]]  [-filter <string>]

[-format <text| list>] [-fullpath] [-hreffilter <string>]

[-hrefmode <dynamic|static|normal>]

[-modulecontext <context>] [-output <file>] [stream <stream>]

[-[no]path][-[no]recursive]

[-report {silent | brief | normal | verbose}]

[-selector <selector>] [-[no]versions]

[-view view1[,view2,...]] [--] <argument>
```

contents-foreach - Function to process the results of a contents command

```
contents-foreach var result_list tcl_script [-nofolder] [-path]
```

datasheet - Displays an object's data sheet

```
datasheet <object>
```

DesSync - Invokes the DesignSync graphical interface

```
DesSync [-nosplash] [path]
```

diff - Compares files and versions of files

```
diff [-ancestor <commonAncestorFile>] [-binary] [-case] [-embed]
```

```
[-kk] [-member <cellview_path>] [-modulecontext <context>]

[-standard | -unified | -syncdiff | -annotate | -gui]

[-output <resultFile>] [-[no]usemoduleversions] [-version <id>]

[-white] {[-file1] <fileA>} [[-file2] <fileB>]  [--]
```

dss - Invokes the DesignSync shell (dss)

```
dss [<command>]
```

dssc - Invokes the concurrent version of dss

```
dssc [<command>]
```

duplicatews - creates or updates a copy of a workspace.

```
duplicatews [-dir <target>] [-dryrun] [-refws <source>] [-replace]

[-status] [-update] [-[no]validaterefws]
```

edithrefs - Updates the hierachical references for a module

```
edithrefs [-infile <file-containing-href-edits> |

-outfile <file-to-write-hrefs-to>]

[-report brief|normal|verbose] [--] <argument>
```

exportmod - Export module from a specified URL

```
exportmod [-[no]force] [-[no]freeze] <ServerURL>
```

exit - Ends a DesignSync session, or an stcl script

```
exit [-daemon [-force]] [<status>]
```

freezemod - Sets access controls on a module to prevent changes

```
freezemod <ServerURL>
```

gets - Reads a string from a file

```
See a Tcl language reference manual.
```

help - Provides help on the Synchronicity command set

```
help  [-all] [-brief] [-output <file>] [-summary] [<topic> [...]]
```

import - Fetches an object, leaving it unmanaged

```
import  [-force] [-version <selector>] [--]

<argument> <object> [<object>...]
```

importmod - Import exported module to new server location

```
importmod[-[no]freeze] [-[no]keep] <ServerURL>
```

locate - Finds a specified object on the search paths

```
locate [-env | -path | -url] [-first | -all] [-nothrow] [-reverse]

[--] <ObjectName>
```

lock - Creates a server-side lock on a module branch

```
lock [-[no]comment [<string>] [--] argument
```

log - Logs DesignSync commands and results to a file

```
log [-defaultdir <dir>] [-off | -on] [-nooutput | -output] [-state]

[--] [<logFileName>]
```

ls - Lists information about the specified objects

```
ls [-[no]addselect] [-[un]changed] [-exclude <string>]

[-filter <string>] [-format list | text] [-[no]header]

[-hreffilter <string>] [-[un]locked] [-[un]modified]

[-modulecontext <context>] [-[no]needsmerge [-branch <branch>]]

[-[un]managed] [-merged added|rename|remove|all|""]

[-output <file> | -stream <stream>] [-[no]path | -fullpath]

[-[no]recursive] [-report <mode>[+<mode>][-<mode>]]

[-[no]selected] [-[non]versionable] [-workspace | -vault>]

[-writableunlocked] [-xtras <xtras>] [--] [<argument>

[<argument>...]]
```

ls-foreach - Function to process the results of an ls command

```
ls-foreach var result_list tcl_script [-nofolder] [-path]
```

migratetag - Migrates old DesignSync tags to modules

```
migratetag [-branchname <branchtag>] [-list] <argument>

[<selector>[,<selector>...]]
```

mirrorsetdefaultuser - Sets the default user and password using a UNIX shell script

```
mirrorsetdefaultuser <serverURL> <defaultUser>
```

mkbranch - Creates a new branch

```
mkbranch [-[no]comment <text>] [-exclude <string>,[<string>...]]

[-[no]recursive] [-[no]selected] [-version <selector>] [--]

<branchname> [<argument> [<argument> ...]]
```

mkedge - Creates merge edges between specified versions

```
mkedge [-modulecontext <module>] -- <argument>
```

mkfolder - Creates a folder (directory)

```
mkfolder [--] <foldername> [<foldername>...]
```

mkmod - Creates a module on a server

```
mkmod [-checkin [-[no]retry]] [-[no]comment "<text>"] [-filter
<string>]

[-path <workspace_path>] [-report {error|brief|normal|verbose}]

<argument>
```

more - Controls the paging of command output

```
more [-lines <n>] [--] <command>
```

mvfile - Moves the specified object

```
mvfile [-allconfigs] <object> <destination>
```

mvfolder - Moves the specified folder

```
mvfolder [--] <folder> <destination>
```

mvmember - Changes the natural path of a module member

```
mvmember  [-[no]comment] [-[no]immediate] [-modulecontext <context>]

[-[no]selected] [--] [<fromargument>...] <toargument>
```

mvmod - moves a module to another location on the server

```
mvmod [-[no]freeze] <OldServerURL> <NewServerURL>
```

password - Stores a user's name and password

```
password -save <ServerURL>
```

populate - Fetches or updates specified objects

```
populate [-[no]connectinstances] [-[no]emptydirs]

[-exclude <object>[,<object>...]] [-filter <string>]

[-[no]force] [-full | -incremental] [-hreffilter <string>]

[-hrefmode {static | dynamic | normal}]

[[-lock [-keys <mode> | -from {local | vault}]] |

[-get [-keys <mode> | -from {local | vault}]]

[-share] | [-mirror] | [-reference] [-lock -reference] ]

[-log <filename>]  [-mcachemode <mcache_mode>]

[-mcachepaths <path_list>] [-[no]merge]

[-modulecontext <context>] [-[no]new]]

[[-overlay <selector>[,<selector>...]]|

[-version <selector>[,<selector>...]]] [-path <path>]

[-[no]recursive] [-[no]replace]

[-report {error|brief|normal|verbose}] [-[no]retain]

[-savelocal <value>] [-target <module_configuration_url>]

[-trigarg <arg>] [-[no]unifystate] [-view view1[,view2,...]]

[-xtras <list>] [--] [<argument> [<argument>...]]
```

prompt - Sets the dss/dssc command-line prompt

```
prompt [-default | -url]
```

purge - Purges specified branches or versions of objects from the vault

```
purge [-branch <branchname>] [-[no]dryrun]
```

```
[-exclude <object>[,<object>...]] [-[no]force]

[-keepsince <date>] [-keepversions <n>][-[no]recursive]

[-report <mode>] [--] <argument> [<argument>...]
```

quit - No longer valid; use 'exit'

reconnectmod - Updates the hrefs from a module to a new module

```
reconnectmod [-[no]force] [(-from <oldServerURL>) |

(-parents <TCLlist>)] <ServerURL>
```

record - Captures command output

```
record <command> <variable>
```

refreshcache - Refreshes a workspace, re-establishing cache links to point to either a new cache location or to new cache names

```
refreshcache [-continue_on_error] [-dryrun]

[ -file <path> | -workspace <path>] [-norecursive]

[-preds32] [-verbose]
```

remove - Removes a module member from a module

```
remove [-[no]comment "<text>"] [-filter <string>] [-[no]force]

[-[no]immediate] [-[no]keep] [-modulecontext <context>]

[-[no]recursive] [--] <argument>
```

restoreserver - Restores the data from a backed-up server

```
restoreserver
```

restorevault - Restores specified server vault or directory data

```
restorevault -from <backup_area> [-overwrite] [--] <path>
```

retire - Marks a branch as obsolete

```
retire [-branch <branch> | -branch auto(<branch>)] | [-[no]force]

[-[no]keep] [-[no]recursive] [-[un]retire] [-[no]selected]

[-trigarg <arg>] [--] [<argument> <argument>...]]
```

rmedge - Removes previously set merge edges

```
rmedge -modulecontext <moduleURL> -- <argument>
```

rmfile - Deletes the specified object

```
rmfile [-trigarg <arg>] [--] <object> [<object> [...]]
```

rmfolder - Deletes the specified folder

```
rmfolder [-[no]keepvid] <folder> [-[no]recursive] [-trigarg <arg>]

[<folder> [...]]
```

rmhref - Removes a hierarchical reference between modules

```
rmhref <fromargument> <toargument> [<toargument>..]
```

rmmod - Removes a module from a server or workspace

```
rmmod [-[no]force] [-[no]keep] [-[no]notes] [-[no]recursive]

[-report error|brief|normal|verbose][-[no]unmanaged]

[-[no]vaultdata] [-xtras <string>] <argument>
```

rmvault - Deletes the specified vault

```
rmvault [-[no]force] [-[no]keepvid] [-trigarg <arg>] [--]

<vault> [<vault> [...]]
```

rmversion - Deletes versions from the vault

```
rmversion [-[no]force] [-report <mode>] [-scrub] [-trigarg <arg>]

[--] <version> [<version> [...]]
```

rollback - Reverts a module back to a previous version, rolling back any structural changes

```
rollback [-[no]comment ["text"]] [-version <selector>]

[--] <argument>
```

rstcl - Runs server-side stcl scripts

```
rstcl [-output <file>] -server <serverURL> -script <script>

[-urlparams <name>=<value>[&<name>=value[...]]]
```

run - Executes a DesignSync command file or stcl script

```
run [-defaultdir <dir>] [-dryrun] [-ignoreerrs] [-verbose]

[--] [<filename>]
```

scd - Changes your current location

```
scd [--] [<path> | <URL>]
```

select - Identifies specific objects to be processed

```
select [--] {-show | <argument> [<argument>...]}
```

setfilter - Sets the persistent filter or hreffilter list

```
setfilter [-filter | -hreffilter] [-[no]recursive][--]

<workspace module> <filter>|<hreffilter>
```

setmirror - Maps a mirror directory to a working directory

```
setmirror [--] [<mirrorDirectory> <localWorkingDirectory>]
```

setowner - Sets the owner on the object specified

```
setowner [--] <argument> <owner>
```

setroot - Sets the root workspace location

```
setroot -[[un]set] [--] <workspace folder>
```

setselector - Sets the persistent selector list

```
setselector [-recursive] [-selected] [--]

<selector>[,<selector>...] <argument> [argument>...]
```

setvault - Associates a vault with a work area

```
setvault [-recursive] [--] <vaultURL>[@<selector>[,<selector>...]]

<localFolder>
```

setview - Associates a view with a work area

```
setview [-[no]recursive [--] <argument> view>[,<view>...]
```

showhrefs - Displays the hierarchy of a module

```
showhrefs [-[no]conflicts] [-format text|list]

[-hrefmode {dynamic | static | normal}]

[no]overridden] [-[no]recursive]

[-report {brief | normal | verbose | script}]

[-[no]stopatconflict] [-xtras <xtras>] <argument>
```

showlocks - Shows all locked items in the vault

```
showlocks [-alloverriden] [-format text|list] [-modulecontext

<context>]

[-[no]overridden] [-[no]recursive] <argument>
```

showmcache - Lists the modules in one or more module caches

```
showmcache [-format (text | list)] [-mcachepaths <path_list>]
```

showmods - Displays the modules available on a server or workspace

```
showmods [-[no]all] [-format [{text | list}] [-filter <string>]

[-report {brief | normal | verbose | script}] [-[no]top]

[<argument>]
```

showproduct - shows the associated enterprise server Product revisions

```
showproduct <object> [-branch <selector>] [-version <selector>]
```

showstatus - Displays the status of a module in your workspace

```
showstatus [-format <type>] [-[no]hrefs] [-[no]objects]

[-[no]recursive] [-releases]

[-report {brief | normal | verbose | summary | script}]

[-xtras <xtras>] <argument>
```

spwd - Displays the URL of the current location

```
spwd
```

stcl - Invokes the Synchronicity Tcl interface

```
stcl [--] [-exp '<command>' | <scriptname>]
```

stclc - Invokes the concurrent version of stcl

```
stclc [--] [-exp '<command>' | <scriptname>]
```

suspend - Sets the server to a semi-active state

```
suspend [-because <why>] -maintenance | -readonly [-mode]
```

```
{tcl-code}
```

switchlocker - Changes the current owner of a lock

```
switchlocker [-modulecontext <context>] [--] <locker> <argument>
```

SyncAdmin - Synchronicity Administrator tool

```
SyncAdmin [-file <filename> | -project | -site | -user]
```

sync_setup - Installing and configuring the DesignSync server

```
sync_setup [-config=<UserConfig.xml>] [-[no]debug] [-dryrun]

[-log=<filename>]

[-report={normal|verbose}] [<key>=<value> [...]]
```

sync_workspace_upgrade - Updating workspace metadata from 3.X to 5.X.

```
sync_workspace_upgrade [-force] [-report {brief|normal|verbose}]

<workspace-directory-1> [<workspace-directory-2>...]
```

syncdadmin - Manages syncd processes

```
syncdadmin [begin | close [-force] | lock | start |

status [-verbose] | stop [-force] | unlock |]
```

syncinfo - Returns Synchronicity environment information

```
syncinfo [<arg> [<arg>...]]
```

tag - Assigns a tag to a version or a branch

```
tag [-branch <branch> | -branch auto(<branch>) | -[no]delete |

-[no]replace |  -version <selector>] [-[no]comment <text>]

[-exclude <object>[,<object>,...]] [-filter <object>[,<object>]]

[-[no]modified] [-modulecontext <context>] [-[im]mutable]

[-[no]recursive] [-report <mode>] [-[no]selected]

[-trigarg <arg>] [-warn <mode>] [-xtras <xtras>] [--] <tagname>

[<argument> [<argument> ...]]
```

unfreezemod - Releases access controls on a frozen module

```
unfreezemod <ServerURL>
```

unlock - Releases the lock on the specified object(s)

```
unlock [-branch <branch> | -branch auto(<branch>)]

[-exclude <object>[,<object>...]]

[-modulecontext <context>] [-[no]recursive] [-[no]selected]

[-trigarg <arg>] [--] [<argument> [<argument> ...]]
```

unremove - Restores removed files to a module

```
unremove [-modulecontext <context>]

[-report error|brief|normal|verbose] [-version <selector>]
```

```
<member-path>[;<member-version>]
```

unselect - Removes files from the 'selected' list

```
unselect [-quiet] [-all | [--] <argument> [<argument>...]]
```

unsetvault - Disassociates a vault from a work area

```
unsetvault [-[no]recursive] <argument> [..]
```

upgrade - Upgrades a DesignSync vault folder or a legacy module to the current module structure

```
upgrade [-category <path>] [-[no]maperror] [-[no]maprefs]

[-name <modulename>] [-report {brief|normal|verbose}]

<argument>
```

upload - Upload/Update compressed IP stored in DesignSync

```
upload [-branch <branchname>] [-[no]collections]

[-[no]comment <comment>] [-[no]new]

[-report brief | normal | verbose] [-tag <tagname>]

[-vault <vaulturl> [-servertmpdir <tmpdir>] |

[-vault <vaulturl> [-localtmpdir <tmpdir>] |

[ -workspace <path>] <tarfile>
```

vhistory - Displays an object's version history

```
vhistory [-branch <branchname> -descendants <n> |

-lastversions <n> -lastbranches <n> | -all]

[-exclude <string>] [-format list | text] [-maxtags <n>]

[-modulecontext <context>]

[-output <filename> | -stream <port>] [-report <mode>]

[-[no]recursive] [-[no]selected] [-xtras <list>] [--]

<argument> [<argument>...]
```

vhistory-foreach - Function to process the results of a vhistory command

```
vhistory-foreach obj result_list <tcl_script>
```

vhistory-foreach-obj- Function to process the results of a vhistory command

```
vhistory-foreach-obj vb obj <tcl_script>
```

webhelp - Launches Graphical Web Browser to view help

```
webhelp [-mode module|file|all] [<topic> [...]]
```

whereused - Traces the use of hierarchical references

```
whereused [-format list|text] [-[no]recursive] [-report <mode>]

[-showtags all|none|immutable|version]

[-versions <selector>,...] <argument>
```

acadmin addgroup - Create a new user group.

```
acadmin addgroup -group <groupName> [-server <SyncURL>]
```

acadmin addgroupusers - Add users to group

```
acadmin addgroupusers -group <groupName> -users <userlist>

[-server <SyncURL>]
```

acadmin addobj - Manage the given object with ACAdmin

```
acadmin addobj -object <objectURL> [-permission <permission>]

[-server <SyncURL>]
```

acadmin addusers - Add a user(s) to specified Object and Category

```
acadmin addusers -category <categoryName> -object <objectURL>

-users <userlist> [-server <SyncURL>]
```

listcats - Lists all categories defined on a server

```
acadmin listcats [-server <SyncURL>]
```

acadmin listcmds - Lists all commands by category

```
acadmin listcmds [-category <categoryName>] [-server <SyncURL>]
```

acadmin listgroups - lists the defined groups and their users

```
acadmin listgroups [-group <groupName>] [-server <SyncURL>]
```

acadmin listobjs - lists all acadmin managed objects on the server

```
acadmin listobjs [-server <SyncURL>]
```

acadmin listperms - list all permissions for the object or category

```
acadmin listperms [-category <categoryName>] -object <ObjectURL>

[-server <SyncURL>]
```

acadmin listusers - lists users for the server or specified object

```
acadmin listusers [-object <ObjectURL>] [-server <SyncURL>]
```

acadmin reset - Regenerates the AccessControl file and runs an Access Reset.

```
acadmin reset [-server <SyncURL>]
```

acadmin rmgroup - Remove a user group.

```
acadmin rmgroup -group <groupName> [-server <SyncURL>]
```

acadmin rmgroupusers- Remove users from group.

```
acadmin rmgroupusers -group <groupName> -users <userlist>

[-server <SyncURL>]
```

acadmin rmobj - Remove the object from ACAdmin management

```
acadmin rmobj -object <objectURL> [-server <SyncURL>]
```

acadmin rmusers - Removes a user(s) from the specified Object and Category.

```
acadmin rmusers -category <categoryName> -object <objectURL>
```

```
-users <userlist> [-server <SyncURL>]
```

acadmin setcatperm - Set permission for users, objects, & categories

```
acadmin setcatperm -category <categoryName> -object <objectURL>
```

```
-permission <permission> [-users <userlist>]
```

```
[-server sync(s)://host:port]
```

access allow - Allows access to the specified actions

```
access {allow | deny} <actionList> {everyone | [only] users
<userList>}
```

```
[when <parm> <globExpr> [when ...]]
```

```
[-because "<message_string>"]
```

access db_filter - Specify criteria for allowing or denying access for ViewNote or EditNote

```
access db_filter <actionList> [when <parm> <globExpr> [when ...]]
```

```
<script>
```

access decline - Causes additional access rules to be invoked

```
access decline <actionList> {everyone | users <userList>}
```

```
[when <parm> <globExpr> [when ...]]
```

access define - Define additional actions to be access controlled

```
access define <action> [<parameterList>]
```

access deny - Denies access to the specified actions

```
access {allow | deny} <actionList> {everyone | [only] users
<userList>}
```

```
[when <parm> <globExpr> [when ...]] [-because "<message_string>"]
```

access filter - Specify criteria for allowing or denying access

```
access filter <actionList> [when <parm> <globExpr> [when ...]]
```

```
<script>
```

access global - Defines global variables and procs for access filters

```
access global <script>
```

access init - Defines variables and procs

```
access init [<actionList>] <script>
```

access list - Returns a list of defined access controls

```
access list -actions
```

access reset - Updates a SyncServer's access controls

```
access reset
```

access verify - Determines whether a user is allowed to perform an action

```
access verify <action> <user> [<arg> [...]] [-why <var>]
```

```
access verify <note_action> <note_system> <note_type> *
```

caching disable - Disables object caching for server URLs

```
caching disable <SyncURL>[ <SyncURL>...]
```

caching enable - Enables object caching for server URLs

```
caching enable <SyncURL>[ <SyncURL>...]
```

caching list - Displays the cache status for folders

```
caching list [-disabled]  [-down]  [-enabled]  [-format list | text]
```

```
[-up] <argument>
```

caching status - Displays caching status of server URLs

```
caching status <SyncURL>
```

ctp list - Lists installed Custom Type Packages

```
ctp list
```

ctp verify - Validates installed Custom Type Package files

```
ctp verify [<path>]
```

defaults commands - Lists the commands that support the defaults system

```
defaults commands
```

defaults off - Disables the command defaults system

```
defaults off [<expr>]
```

defaults on - Enables the command defaults system

```
defaults on
```

defaults refresh - Refreshes the command defaults system

```
defaults refresh
```

defaults set - Defines the default values for a command

```
defaults set [-temporary | -nooverrule] -- <command> <option>
```

```
[<option> ...]
```

defaults show - Shows the current default values for a command

```
defaults show [-source] [<command>]
```

defaults state - Returns the state of the command defaults system

```
defaults state
```

eda addmcachepath - Adds mcachepath to available server mcache paths

```
eda addmcachepath -path <path>[,<path>...] [-[no]replace]
```

```
[-[no]validate] <ServerURL>
```

eda createrefws - Create reference workspace for development

```
eda createrefws [-assignment <AssignmentName>] -name <DevName>
<ServerUrl>
```

eda listmcachepath - Lists mcachepath to available server mcache paths

```
eda listmcachepath  [-format list|text] <ServerURL>
```

eda removemcachepath - Removes mcachepaths from the specified server

```
eda removemcachepath -path <path> <ServerURL>
```

entobj id - Returns the platform identifier

```
entobj id <argument>
```

entobj isplatformmanaged - Retuns whether the object is managed by the enterprise system.

```
entobj isplatformmanaged <argument>
```

entobj policy - Displays the assigned policy for the module

```
entobj policy <module>
```

entobj setpolicy - Set or remove the policy for a module.

```
entobj setpolicy  <module> <policy>
```

entobj settype - Set the product type for the module.

```
entobj settype <module> <productType>
```

entobj show - Show the associated enterprise server object revisions

```
entobj show [-branch <selector>] [-version <selector>] <module>
```

entobj synchronize - Synchronize Enterprise Design Objects and DesignSync module versions and branches.

```
entobj synchronize [-depth all|one|none] [-dryrun]
```

```
[-report brief|normal|verbose] -tags <taglist> -xtras <list> <module>
```

entobj type - Displays the product type for the module

```
entobj type <module>
```

event create - Creates a custom event

```
event create <name_value_list>
```

exclude add - Add objects to exclude from operations

```
exclude add <argument> [--] <pattern>[ <pattern>...]
```

exclude list - Show object patterns excluded from operations

```
exclude list [-format text|list] <path>
```

exclude remove - Remove objects from being excluded

```
exclude remove <path> [--] <pattern>{<pattern>...]
```

hcm Example - How to use the legacy commands (legacy)

hcm addhref - Creates a hierarchical reference between legacy module configurations (legacy)

```
hcm addhref -fromtarget <uppermod_url> [-relpath <relative_path>]
```

```
-totarget <submod_url>
```

hcm addlogin - Stores a server login to enable hierarchical queries (legacy)

```
hcm addlogin -fromtarget <origin_server_url>

-fromuser <origin_username> | -fromallusers

-totarget <referenced_url> | -toalltargets

-touser <referenced_username>
```

hcm get - Fetches a legacy module configuration into your work area (legacy)

```
hcm get  [-incremental | full] [-keys <key_mode>]  [-merge | edit]

[-mcachemode <mcache_mode>] [-mcachepaths <path_list>]

[-path <path>] [-recursive] [-target <configuration_url>]

[-replace | -noreplace | -force] [-[no]retain]
```

hcm mkmod - Creates an HCM module on a server (legacy)

```
hcm mkmod [-description <description>] -target <module_url>
```

hcm rmconf - Removes a legacy configuration from a server (legacy)

```
hcm rmconf [-notes] -target <configuration_url>
```

hcm rmhref - Removes a hierarchical reference between modules (legacy)

```
hcm rmhref [-fromtarget <uppermod_url>] [-relpath <relative_path>]

[-totarget <submod_url>]
```

hcm rmlogin - Removes a login stored on a server

```
hcm rmlogin -fromtarget <origin_server_url>

-fromuser <origin_username> | -fromallusers

-totarget <referenced_url> | -toalltargets
```

hcm rmmod - Removes a legacy module and its configurations from a server (legacy)

```
hcm rmmod [-notes] -target <module_url> [-vaultdata]
```

hcm showconfs - Displays module configurations (legacy)

```
hcm showconfs [-directoryrecursive]

[-report {brief | normal | verbose | script}]

[-target <module_url> | -path <path>]
```

hcm showhrefs - Displays the hierarchy of a module configuration (legacy)

```
hcm showhrefs  [-recursive]

[-report {brief | normal |verbose | command | script}]

[-target <configuration_url> | -path <path>]
```

hcm showlogins - Displays the logins stored on a server

```
hcm showlogins -fromtarget <origin_server_url>

[ -fromuser <origin_username> | -fromallusers ]

[ -report {brief | normal | verbose | command |
```

```
script}]
```

hcm showmcache - Lists the releases in module caches

```
hcm showmcache [-mcachepaths <path_list>]

[-report {brief | normal |verbose | script}]
```

hcm showmods - Displays the modules available on a server

```
hcm showmods  [-report {normal | brief | verbose}]

-target <server_url>
```

hcm showstatus - Displays the status of a configuration in your work area

```
hcm showstatus [-files] [-path <path>] [-recursive] [-releases]

[-report {brief | normal |verbose | summary]
```

hcm upgrade - Upgrades a DesignSync vault to a legacy module (legacy)

```
hcm upgrade -target <DesignSyncVault_url>
```

hcm version - Displays the DesignSync installation version

```
hcm version
```

localversion delete - Deletes a saved version of the given collection

```
localversion delete <sync collection>|<sgc collection> <locint>
```

localversion list - Lists saved versions of collection objects

```
localversion list <sync collection>|<sgc collection>|<directory>
```

localversion restore- Restores a saved version of the given collection

```
localversion restore <sync collection>|<sgc collection> <locint>
```

localversion save - Saves local version of the given collection

```
localversion save <sync collection>|<sgc collection>
```

mcache scan - Designates module cache instances as current

```
mcache scan [-mcachepaths <path_list>]

[-report {brief | normal | verbose}]

[--] <argument>[<argument>...]
```

mcache scrub - Removes old module instances from the mcache

```
mcache scrub [-mcachepaths <path_list>]

[-report {brief | normal | verbose}] [--] <age>
```

mcache show - Shows the "touch time" of module cache instances

```
mcache show [-format {list | text}] [-mcachepaths <path_list>]

[-report { brief | normal | verbose}]
```

mcache touch - Updates the "touch time" of a module instance

```
mcache touch [-report {brief | normal | verbose}] [--]
```

```
<argument>[<argument>...]
```

mirror create - Creates a mirror

```
mirror create [-cachedir <path>] [-cachelinktype hard|soft]

[-category <category>] [-description <description>]

[-[no]enable] [-fetchstate get|share]

[-hrefmode<static|dynamic|normal>] [-MASuser <user>]

[-mcachemode link|server] -mirrordir <mirrorDir>

-name <name> [-notify<email_list>]

[-parentname <parent_mirror>] [-PMASuser <user>]

[-primaryserver <serverURL>] [-[no]recursive]

[-RSuser <user>] [-script <TCL_script>]

[-selector <list>] [-type normal|primary|secondary]

-vaultURL <vaultURL> <serverURL>
```

mirror delete - Deletes a mirror

```
mirror delete [-force] -name <name> <serverURL>
```

mirror disable - Disables a mirror

```
mirror disable <serverURL> -all | -name <name>
```

mirror edit - Modifies mirror parameters

```
mirror edit [-cachedir <path>] [-cachelinktype hard|soft]

[-category <category>] [-description <description>]

[-fetchstate get|share] [-hrefmode <static|dynamic|normal>]

[-MASuser <user>] [-mcachemode link | server]

[-mirrordir <mirrorDir>] -name <name> [-notify <email_list>]

[-PMASuser <user>] [-primaryserver <serverURL>]

[-[no]recursive] [-RSuser <user>] [-vaultURL <vaultURL>]

[-selector <selector_list>] [-script <TCL_script>]

[-type normal|primary|secondary] <serverURL>
```

mirror enable - Enables a specified mirror

```
mirror enable <serverURL> -all | -disabled | -name name
```

mirror get - Returns all parameters for specified mirror

```
mirror get <serverURL> [-format text|list] -name <name>
```

mirror getoptions - Gets mirror options on a server

```
mirror getoptions <serverURL> [-format text|list]
```

mirror isenabled - Tests whether a mirror is enabled

```
mirror isenabled <serverURL> -name <name>
```

mirror ismirror - Tests whether a name is valid for a defined mirror

```
mirror ismirror <serverURL> -name <name>
```

mirror list - Returns a list of all mirrors from a server

```
mirror list <serverURL> [-category <category_pattern>]

[-enabled|disabled|all] [-format text|list]

[-name <name_pattern>]
```

mirror rename - Changes the mirror name

```
mirror rename <serverURL> -name <name> -newname <newname>
```

mirror requeue - Requeue a transaction in the mirror

```
mirror requeue -name <mirror> <ServerURL>
```

mirror reset - Populates the mirror's directory, leaving it in the same state as if the mirror had been removed and then repopulated

```
mirror reset <serverURL> -name <name>
```

mirror setoptions - Sets general mirror options

```
mirror setoptions <serverURL> [-commonnotifylist<email_list>]

[-defaultuser <user>] [-disableMAS | -enableMAS]

[-disableRS | -enableRS] [-[no]enforcedefaultuser]

[-[no]enforceSUID] [-name <name>]

[-warnifstale <time>]
```

mirror status - Returns the status for the mirror

```
mirror status <serverURL> [-format text|list] [-name <name>]

[-servertype RS|MAS]
```

mirror wheremirrored - Shows where vault data is mirrored

```
mirror wheremirrored <vaultURL> [-category <category>]

[-format text|list] [-name <name>]

[-selector <selector_list>]

[-status good|warning|failure|unknown|none|any]

[-type normal|primary|secondary|all]
```

mw dependency - Deprecated command

```
mw dependency <viewname> [-dependson <viewnames>]
```

mw doc - Deprecated command

```
mw doc
```

mw export - Deprecated command

```
mw export [-comment "<text>"] [-modulecontext <context>]

[-refs -other -techfile [-tfname <file>] | -all]

<library path>
```

mw import - Deprecated command

```
mw import [[[-refs] [-other] [-techfile]] | -all]

[-modulecontext <context>] [-vault] <library path>
```

mw rebuildlib - Deprecated command

```
mw rebuildlib <library_path>
```

mw setuplib - Deprecated command

```
mw setuplib [-comment "<text>"] [-modulecontext <context> |

-vault <vaultURL>] [-tfname <file>] [-norefs] [-notech]

[-noother] <library path>
```

mw version - Deprecated command

```
mw version
```

note attach - Creates a link between a note and an object

```
note attach <noteURL> <objURL>
```

note counts - Computes statistics about notes and the frequency of values

```
note counts <NotetypeName>

[-countlinks] [-dateresolution <Resolution>]

[ [-dbquery  <dbase_expr>] | [-sqlquery <sql_expr>] ]

[<OutVarName> [Dimension0 [Dimension1 [Dimension2]]]]
```

note create - Creates a new note

```
note create [-date <date>] [-id <id>] -type <type_name>

[{<name> <value>} [...]]
```

note delete - Deletes a note and associated notelinks

```
note delete <NoteURL>
```

note detach - Deletes the link between a note and an object

```
note detach <NoteURL> <ObjURL>
```

note getprop - Retrieves a property of a note

```
note getprop <NoteURL> <PropertyName>
```

note links - Returns the set of links for a note

```
note links [-norec] [-note <noteURL> | -object <objURL>] [-pairs]
```

note query - Queries the note system and returns note URLs and values

```
note query [[-attached <ObjUrl> [-norec]]

[[-dbquery  <dbase_expr>] | [-sqlquery <sql_expr>]]

[-filter ViewNote | EditNote] [-select <PropertyList>]

[-type <notetype>]
```

note relink - Moves note attachments from one object to another

```
note relink <FromObjURL> <ToObjURL> [-norec]
```

note schema - Extracts information about a note type's structure

note setprops - Sets property values on a note

```
note setprops [--] <note_url> <propname> <propvalue>

[<propname> <propvalue>]...

note setprops [--] <note_url> <proplist>
```

note systems - Gets a list of note systems

```
note systems
```

note types - Gets a list of defined note types for all note systems

notetype create - Creates a new note type

```
notetype create [-description <DescStr>] [--]

<NotetypeName> {

[{<PropertyName> <PromptName> <IsRequired>

<PropertyTypeName> <DefaultValue>}...]

}
```

notetype delete - Deletes the specified note type

```
notetype delete [-purgenotes] <NoteTypeName>
```

notetype enumerate - Gets a list of defined note types for all note systems

```
notetype enumerate [-dbtablenames <dbTablenameVar>] [-urls]
```

notetype getdescription - Returns a brief description of the note type

```
notetype getdescription <NotetypeName>
```

notetype rename - Renames an existing note type

```
notetype rename <CurrentName> <NewName>
```

notetype schema - Extracts information about a note type's structure

```
notetype schema <NotetypeName> [-dbcolumns <ColumnsVar>]

[-defaults <DefaultsVar>] [-notesys <NoteSystemName>]

[-prompts <PromptsVar>] [-ptypes <TypesVar>]

[-required <ReqdVar>]
```

parray auto_index - Lists the autoloaded stcl procedures

```
parray auto_index
```

```
Note: This command is supported only in stcl mode.
```

ptype choices - Returns the set of legal values for an enumerated type

```
ptype choices <ptype_name>
```

ptype class - Returns the class of a property type

```
ptype class <ptype_name>
```

ptype enumerate - Returns a list of all property types

```
ptype enumerate
```

ptype is - Tests whether a property type is of a certain class

```
ptype is <[-boolean] | [-choice] | [-date]
| [-machine] | [-number] | [-string]
| [-time] | [-timestamp] [-userlist]>
<PropertyTypeName>
```

ptype strwidth - Returns the maximum width for strings of this type

```
ptype strwidth <ptype_name>
```

ptype transitions - For the value of a state machine, returns the set of values that are legal for that value to change to

```
ptype transitions <PropertyTypeName> <-from <PropertyValue>>
```

replicate addroot - Associates a Data Replication Root with a MAS

```
replicate addroot -name <name> -path <rootpath> [-readmode
{all|group}]
<serverURL>
```

replicate data - Replicates data on the replication root

```
replicate data [-name <name>] -root <drr>
[-selector <selector>[,<selector>...]] -vaulturl <URL>
<ServerURL>
```

replicate disable - Disables a replicated data instance

```
replicate disable -all | -name <name> -root <drr> <ServerURL>
```

replicate enable - Enables replication for a data replication

```
replicate enable -all | -name <name> -root <drr> <ServerURL>
```

replicate reset - Manually updates a data replication

```
replicate reset -name <name> -root <drr> <ServerURL>
```

replicate rmdata - Removes the data replication from the dynamic folder.

```
replicate rmdata -name <name> -root <drr> <Server-URL>
```

replicate rmroot - removes the specified data replication root

```
replicate rmroot -root <drr> <ServerURL>
```

replicate showdata - Lists the data replications in the DRR

```
replicate showdata [-format {text|list}] [-name dataname]
```

```
[-report {brief|normal|verbose}] -root <drr>
```

replicate showroots - Lists the registered data replication roots

```
replicate showroots [-format {text|list}] [-name <rootname>]
[-report {brief|normal|verbose}] <ServerURL>
```

replicate setoptions - Sets replicate options

```
replicate setoptions [-defaultuser <user>] [-[no]refcount]
<ServerURL>
```

sda cd - Change development area and launch a tool command

```
sda cd [<area_name>] [<tool>] [-development <name>] [-gui]
[-suite <suite_name>] [-[no]update] [-version <version>]
```

sda gui - Start the sda area management graphical user interface

```
sda gui
```

sda join - Allow the user to join an existing development area

```
sda join [<area_name>] [-development <name>] [-gui]
```

sda ls - List the areas or developments relevant to the user

```
sda ls [-area | -development] [-gui] [-noheader]
[-report brief | normal | verbose]
```

sda mk - Make a new development area

```
sda mk [<area_name> [<dev_name>]] [-assignment <assignment>] [-gui]
[-path <path>] [-shared]
```

sda rm - Remove an existing development area and its contents

```
sda rm [<area_name>] [-development <name>] [-gui] [-noconfirm]
```

sitr env - Displays SITaR environment variables

```
sitr env
```

sitr context - View the context for a submitted module

```
sitr context -allconfigs | -release <release> <argument>
```

sitr integrate - Integrates selected changes into the project integration workspace

```
sitr integrate [-force] [-nopopulate] [-noprompt]
[-report {brief | normal | verbose}] [-[no]truncate]
```

sitr lookup - Displays a list of modules matching the specified criteria

```
sitr lookup [-allconfigs] [-report {brief | normal | verbose |
script}]
[-since <timestamp> | <rel_config>] [-[no]truncate]
[<argument> ...]
```

sitr mkbranch - Creates a module branch of a SITaR module

```
sitr mkbranch [-[no]comment <text> | -description <description>]
[-[no]integrate] [-[no]populate]
<branchname> [<argument> ...]
```

sitr mkmod - Creates and releases the initial version of the module

```
sitr mkmod -top
sitr mkmod -context
sitr mkmod -name [category/]<name> | -vaultpath <url>
[-comment <text> | description <text>] [-nomcache]]
```

sitr populate - Updates the workspace with the specified module version

```
sitr populate [-config <tagname>] [-force] [-noprompt]
[-report {error | brief | normal | verbose}]
[-xtras <list>]
```

sitr release - Creates a new module release and updates the baseline alias

```
sitr release [-[no]comment <text> | -cfile <filename> |
-description "<text>"] [-noprompt]
[-noupdate] [-release <sitr_branch><NUM.NUM>]
```

sitr select - Identifies module configurations to process

```
sitr select [-clear] [-delete] [-name <href name>]
[-relpath <relpath>] [-report {brief | normal | verbose}]
[-[no]truncate] [<argument>...]
```

sitr status - Compares the local workspace to the specified configuration

```
sitr status -versus <tagname> [-xtras <list>]
```

sitr submit - Submits a module version for integration

```
sitr submit [-comment <comment> | -cfile <filename> |
-description <description>] [-force] [-nointegrate]
[-[no]modified] [-noprompt]
[-release [<branch_>]v<NUM>[.<NUM>]] [<argument> [...]]
```

sitr update - Updates a submodule workspace with the specified module version

```
sitr update [-config <tag>] [-force] [-nooverwrite]
[-noprompt] [-xtras <list>. [<argument>[ ...]]
```

sregistry delete - Delete registry key or value

```
Client-Side Invocation
sregistry delete [-currentuser | -localmachine | -synch ]
[-file <filename> | -project | -site | -user]
```

```
<keyPath> <value>
```

Server-Side Invocation

```
sregistry delete [-currentuser | -localmachine | -synch ]

[-file <filename> | -port | -site]

<keyPath> <value>
```

sregistry get - Get a registry value

Client-side Invocation

```
sregistry get [-base dec | hex]

[-currentuser | -localmachine | -synch]

[-default <dataPath>] [-format text | list]

[-user | -project | -site | -file <filename>]

<keyPath> <value>
```

Server-side Invocation

```
sregistry get [-base dec | hex]

[-currentuser | -localmachine | -synch]

[-default <dataPath>] [-format text | list]

[-port | -site | -file <filename>] <keyPath> <value>
```

sregistry keys - Displays sub-keys in registry value

Client-side invocation:

```
sregistry keys [-currentuser | -localmachine | -synch ]

[-user | -project | -site | -file <filename>]

[-format text | list] <KeyPath>
```

Server-side invocation:

```
sregistry keys [-currentuser | -localmachine | -synch ]

[-format text | list]

[-port | -site | -file <filename>] <KeyPath>
```

sregistry reset - Forces a refresh of all registry files

```
sregistry reset
```

sregistry scope - Temporarily changes which registry files are active

```
sregistry scope [-project | -site]

{defaults set -- <command> <option> [<option> ...]}
```

sregistry set - Sets a registry value

Client-Side Invocation

```
sregistry set [-currentuser | -localmachine | -synch ]

[-file <filename> | -project | -site | -user]

<keyPath> [-type number|string] <value> [--] Data
```

Server-Side Invocation

```
sregistry set [-currentuser | -localmachine | -synch ]

[-file <filename> | -site | -port]

<keyPath> [-type number|string] <value> [--] Data
```

sregistry source - Displays the source of a registry value

Client-Side Invocation

```
sregistry source [-currentuser | -localmachine | -synch]

[-file <filename> | -project | -site | -user]

<keyPath> <value>
```

Server-Side Invocation

```
sregistry source [-currentuser | -localmachine | -synch]

[-file <filename> | -port | -site]

<keyPath> <value>
```

sregistry values - Displays the available registry values

Client-Side Invocation

```
sregistry values [-currentuser | -localmachine | -synch ]

[-user | -project | -site | -file <filename>]

[-port | -site | -file <filename>]

[-format text | list] <keyPath>
```

Server-Side Invocation

```
sregistry values [-currentuser | -localmachine | -synch ]

[-user | -project | -site | -file <filename>]

[-port | -site | -file <filename>]

[-format text | list] <keyPath>
```

subscription add - Subscribes for email related to specified objects

```
subscription add [-ci] [-colock] [-conolock] [-filter Expr]

[-noteType noteType] [-server serverURL] [-tag]
```

```
[-tagname TagName] [-unlock] [-user user] object...
```

subscription delete - Deletes email subscriptions for specified objects

```
subscription delete [-noteType noteType] [-server serverURL]

[-user user] [<object>[ ...]]
```

subscription edit - Edits email subscriptions

```
subscription edit [-server serverURL] [-user user]
```

subscription get - Gets subscription information as a Tcl list

```
subscription get [-noteType noteType] [-server serverURL] [-user
user]
```

subscription list - Lists email subscriptions

```
subscription list [-noteType noteType] [-server serverURL] [-user
user]
```

swap replace - Replaces the version of a workspace module

```
swap replace [-force] [-hrefmode {static|normal|dynamic}]

[-mcachemode {link|server}] [-mcachepaths <path>[<path>...]]

[-trigarg <arg>] [-report {error|brief|normal|verbose}]

[-xtras <>] [--] <selector> <argument>
```

swap restore - Restores a previously swapped module version

```
swap restore [-[no]force] [-mcachemode {link|server}]

[-mcachepaths <path>[ <path>...]]

[-report {error|brief|normal|verbose}]

[-parent <parent_module_inst>] [-trigarg <arg>]

[-xtras <string>] [--] <argument>
```

swap show - Shows the workspace's currently swapped modules

```
swap show [-format {text|list}] [-report {brief|normal|verbose}] [--]

[<argument>]
```

synctrace set - Turns on software tracing

```
synctrace set [-server <serverURL>] 0
```

synctrace unset - Turns off software tracing

```
synctrace unset [-server <serverURL>] 0
```

trigger block - Prevents recursive trigger script activation

```
trigger block
```

trigger create - Creates or replaces a trigger

```
trigger create <name> [-exec <command_and_arguments> |

-tcl_script <script_filename> | -tcl_file <file_name> |

-tcl_store <file_name>] [-replace]
```

```
[-require|exclude <name> <valueExprList> ...]
```

trigger delete - Deletes an existing trigger

```
trigger delete <name>
```

trigger disable - Prevents a trigger from firing

```
trigger disable <name>
```

trigger enable - Makes a disabled trigger active again

```
trigger enable <name>
```

trigger isEnabled - Determines whether or not a trigger is enabled

```
trigger isEnabled <name>
```

trigger fire - Executes a trigger

```
trigger fire <name> <event>
```

trigger get - Gets information about a trigger

```
trigger get <name>
```

trigger list - Gets a list of triggers

```
trigger list [-all | -disabled | -enabled] [-event event]

[name_expr ...]
```

trigger status - Shows the status of triggers

```
trigger status [<name_expr> ...]
```

trigger unblock - Deprecated command

```
trigger unblock
```

url branchid - Returns the branch number of an object.

```
url branchid [--] <argument>
```

url configs - Returns the configurations of a ProjectSync project

```
url configs [--] <argument>
```

url container - Returns the object containing a specified object

```
url container [--] <object>
```

url contents - Returns the objects in a container object

```
url contents [-all | -ifpopulated [-incremental]] [-prefetch]

[-version <selector>[,<selector>...]] [--] <argument>
```

url exists - Reports whether an object exists

```
url exists [--]   <argument>
```

url fetchedstate - Returns the fetched state of an object

```
url fetchedstate [--] <argument>
```

url fetchtime - Returns the time when an object was fetched

```
url fetchtime [--] <argument>
```

url filter - Returns the persistent filter for a workspace module

```
url filter [-filter | -hreffilter [-all]] [--] <argument>
```

url getprop - Retrieves a property of an object

```
url getprop [--] <argument> <propertyName>
```

url inconflict - Checks if a file merge had conflicts

```
url inconflict [--] <argument>
```

url leaf - Returns the leaf of the URL

```
url leaf [--] <argument>
```

url locktime - Returns when a branch was locked

```
url locktime [--] <argument>
```

url members - Returns the members of the specified collection

```
url members [-[no]relative] [--] <collection> [<varname> <code>]
```

url mirror - Returns the URL of a local directory's mirror

```
url mirror [--] <directory>
```

url modified - Checks if an object has been modified

```
url modified [--] <argument>
```

url naturalpath - Returns the natural path for a module member

```
url naturalpath [--] <argument>
```

url notes - Returns the notes attached to the specified object

```
url notes [-type <type> [-dbquery <query>]] [--]

<argument>
```

url owner - Returns the owner of an object

```
url owner [--]   <argument>
```

url path - Extracts the path section of a URL

```
url path [--] <object>
```

url projects - Returns a SyncServer's ProjectSync projects

```
url projects <object>
```

url properties - Returns properties for the specified object

```
url properties [--] <argument> <array_name>
```

url registered - Checks whether an object is under revision control

```
url registered [--] <argument>
```

url relations - Determine collection object dependencies

```
url relations [--] <collection> <relation_name> [<varname> <code>]
```

url resolveancestor - Returns the closest common ancestor of two versions

```
url resolveancestor [-noedges] -version <selector>[,<selector>...]
```

```
[--] <argument>
```

url resolvetag - Returns the version number associated with a selector

```
url resolvetag [-version <selector>[,<selector>...]] [--]

<argument>
```

url retired - Returns whether a branch is retired

```
url retired [--] <argument>
```

url rmprop - Removes specified properties for a module object from the local metadata

```
url rmprop <argument> <property>
```

url root - Returns the workspace root for a given path

```
url root [--] <path>
```

url selector - Returns an object's persistent selector list

```
url selector [--] <argument>
```

url servers - Returns server-list definitions

```
url servers [-all | -enterprise | -site | -urls* | -user]
```

url setprop - Sets a property on an object

```
url setprop [--] <Object_url> <prop_name> <prop_value>
```

url syslock - Sets a system lock on a lock name or file path

```
url syslock -acquire       <name_or_path> [-canonize] [-shared]

[-timeout secs]

url syslock -yield         <name_or_path> [-canonize] [-shared]

[-timeout secs] [-all]

url syslock -release       <name_or_path> [-canonize]

url syslock -realmount     <name_or_path>

url syslock -realpath      <name_or_path>

url syslock -showlocks
```

```
Note: The <name_or_path> argument must follow the

-acquire/-yield/-release/-realmount/-realpath option.
```

url tags - Returns the version tags associated with a specified object

```
url tags [-btags] [-version <selector>] [--] <argument>
```

url users - Returns all users defined for an object's server

```
url users <path>
```

url vault - Returns the URL of an object's vault

```
url vault [-modulecontext <context>] <argument>
```

url versionid - Returns the version number of the specified object

```
url versionid [--] <argument>
```

url versions - Returns the URLs of an object's versions

```
url versions <argument>
```

url view - Returns persistent view list for workspace module

```
url view  [--] <Workspace Module>
```

user counts - Counts the number of user records

```
user counts
```

user create - Creates a new user id with the specified profile

```
user create <userid> <{Name Value Name Value...}>
```

user delete - Deletes the specified user ID and corresponding profile

```
user delete <username>
```

view check - verifies the syntax & semantics of the view definition

```
view check <file>[,<file2>[,...]]
```

view get - Shows the contents of a module view

```
view get [-format text|list] -name <viewname> [-output <localfile>]
```

```
[--] <argument>
```

view list - Lists available module views and location

```
view list [-format text|list] [--] <argument>
```

view put - Uploads module view definitions to the server

```
view put -all|-name <viewName> -infile <inputFile> [-[no]replace]
```

```
[--] <argument>
```

view remove - Removes a module view from the server

```
view remove -name <viewName> [--] <argument>
```

whereused member - Lists module versions containing a module member

```
whereused member [-format list|text] [-modulecontext
<moduleVersionURL>]
```

```
[-report brief|normal|verbose]
```

```
[-showtags all|none|immutable|version|member]
```

```
[-versions <selector>,...] <argument>
```

whereused module - Traces the use of hierarchical references

```
whereused module [-format list|text] [-[no]recursive] [-report
<mode>]
```

```
[-showtags all|none|immutable|version]
```

```
[-versions <selector>,...] <argument>
```

whereused vault - Traces the use of hierarchical references

```
whereused vault [-format list|text] [-[no]recursive] [-report <mode>]
```

```
[-showtags all|none|immutable|version]
```

```
[-versions <selector>,...] <argument>
```