



## ENOVIA SYNCHRONICITY DESIGN SYNC DATA MANAGER ADVANCED COMMAND QUICK REFERENCE

**add** - Adds new objects to a module

```
add [-[no]recursive [-[no]emptydirs]] [-filter <string>]
[-no[selected]] [-report brief|normal|verbose|error]
[--] <workspace module>[<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> [-relpath <rel_path>]
[-name <name>] [-rootpath <path>]
```

```
addhref <fromargument> [-rootpath <path>] [-relpath
<rel_path>]
```

```
[-file <filename>] [-tcllist
<toargument_specification_list>]
```

**alias** - Creates, shows, or removes a command alias

```
alias [-temporary] [-args <#>] [--]
```

```
{-list | -delete <alias_name> | <alias_name> {<cmd> [&&
<cmd> ...]}}
```

**annotate** - Shows last modification information per line

```
annotate [-version <selector>] [-back <number>] [-from
<selector>]
```

```
[-[no]white] [-output <filename>] [--] <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**cachescrubber** - Cleans the cache of outdated or unused files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>] [-norefl]
[-preds32] [-dryrun] [-report <mode>]
[-usage] [-help]
```

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

```
cachetouchlinks [-path <path-to-workspace-dir>] |
-file <path-to-workspace-list-file>]
[-norecursive] [-ignoreerrs] [-report <mode>]
[-dryrun] [-checkerrors]
```

**cancel** - Cancels a previous checkout operation

```
cancel [-[no]recursive] [-filter <string>] [-hreffilter
<string>]
[-exclude <object>[,<object>...]]
[-keep | -share | -mirror | -reference]
[-[no]selected] [-[no]force] [-[no]retain] [-trigarg <arg>]
[-modulecontext <context>] [--] [<argument>
<argument>...]
```

**cd** - Changes your current directory

See a Tcl language reference manual.

**ci** - Checks in the specified objects

```
ci [-branch <branch> | -branch auto(<branch>)]
[-modulecontext <context>] [-filter <string>]
[-exclude <object>[,<object>...]]
[-hreffilter <string>] [-[no]hrefversions]
[-[no]new] [-[no]comment "<text>"]
[-[no]selected] [-[no]recursive]
[-[no]dryrun] [-[no]force]
[-[no]skip] [-[no]retain]
[-datatype ascii | binary] [-tag <tagname>]
[-keep [-keys <mode>] | -lock [-keys <mode>] |
-share | -mirror | -reference]
[-report brief|normal|verbose|error] [-no]iflock
[-[no]resume] [-trigarg <arg>] [--]
<argument> [<argument>...]
```

**co** - Checks out the specified objects

```
co [-version <selector>[,<selector>...]]
[-exclude <object>[,<object>...]]
```

```
[-[no]selected] [-[no]comment "text"]
[-[no]recursive] [-[no]force]
[ [-lock [[-keys <mode>] | [-from {local | vault}]]]
[-merge] [-reference]] |
[-get [[-keys <mode>] | [-from {local | vault}]]]
[-merge] [-overlay <selector>[,<selector>...]] |
-share | -mirror | -reference]
[-[no]unifystate] [-[no]retain] [-save local <value>]
[-trigarg <arg>] [--] [<argument> [<argument>...]]
```

**compare** - Compares workspaces and module versions

```
compare [-[no]same] [-[no]history] [-format list|text]
[-output <file> | -stream <stream>]
[-recursive | -norecursive]
```

```
[-report silent|brief|normal|verbose] [-[no]path]
```

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

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

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

```
[-view view1[,view#,...]]
```

```
[ -[modulecontext <context>]
```

```
 [--] [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 [-selector <selector>] [-filter <string>]
[-hreffilter <string>] [-exclude <object> [,<object>...]]
[-format <text| list>] [-[no]recursive] [-[no]versions]
[-hrefmode <dynamic|static|normal>]
[-view view1[,view2,...]]
[-modulecontext <context>]
[-report silent|normal|verbose]
[-output <file>] [stream <stream>]
[-[no]path] [-fullpath] <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 [-standard | -unified | -syncdiff | -annotate | -gui]
[-version <id>] [-output <resultFile>]
[-binary] [-ancestor <commonAncestorFile>]
[-embed] [-white] [-case] [-kk] [-modulecontext <context>]
[-[no]usemoduleversions] [--]
{[-file1] <fileA>} {[-file2] <fileB>}
```

**dss** - Invokes the DesignSync shell (dss)

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

**dssc** - Invokes the concurrent version of dss

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

**exit** - Ends a DesignSync session, or an stcl script

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

**gets** - Reads a string from a file

See a Tcl language reference manual.

**help** - Provides help on the Synchronicity command set

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

**import** - Fetches an object, leaving it unmanaged

```
import [-version <selector>] [-force] [--]
<argument> <object> [<object>...]
```

**locate** - Finds a specified object on the search paths

```
locate [-first | -all] [-env | -path | -url] [-reverse]
[-nothrow] [--] <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 [-on | -off] [-output | -nooutput] [-state] [--]
[-defaultdir <dir> | <logFileName>]
```

**ls** - Lists information about the specified objects

```
ls [-[no]recursive] [-merged added|rename|remove|all|""]
[-[no]selected] [-[no]addselect] [-[no]path | -fullpath]
[-report <mode>[+<mode>][-<mode>]] [-format list | text]
[-output <file> | -stream <stream>]
[-[no]header] [-[un]locked [-workspace <path> | -vault
<path>]]
[-[un]managed] [-[un]changed] [-[un]modified]
```

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

```
[-writableunlocked] [-filter <string>] [-exclude <string>]
[-hreffilter <string>] [--] [<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]selected] [-exclude <string>[,<string>...]]
[-[no]recursive] [-[no]comment <text>]
[-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 [-[no]comment "<text>"] [-path <workspace_path>] [-
checkin]
[-filter <string>] [-report brief|normal|verbose|error]
<argument>
```

**module** - Commands to manipulate module data

```
<module_command> [<module_command_options>]
```

Usage:

```
[add|addbackref|addhref|addlogin|get|lock|migratetag|
mkedge|mkmod|mvmember|remove|rollback|rmedge|rmhref|
rmlogin|rmmod|showconfs|showhrefs|showlogins|showmcache|
showmods|showstatus|whereused|unremove|upgrade|version]
```

**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 [-modulecontext <context>] [-[no]selected]
[-[no]immediate] [--] [<fromargument>...] <toargument>
```

**notetype** - Server-side commands to manipulate note types

```
notetype <notetype_command> [<notetype_command_options>]
```

Usage: notetype

```
[create|delete|enumerate|getdescription|rename|
schema]
```

**password** - Stores a user's name and password.

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

**populate** - Fetches or updates specified objects

```
populate [-dir <path>] [-version
<selector>[,<selector>...]]
[-incremental | -full] [-[no]new]]
[-[no]recursive] [-modulecontext <context>]
[-filter <string>] [-exclude
<object>[,<object>...]]
[-hreffilter <string>]
[-hrefmode {static | dynamic | normal}]
[-report brief|normal|verbose|error] [-[no]force]
[[[-lock [-keys <mode> | -from {local | vault}]] |
[-get [-keys <mode> | -from {local | vault}]]
[-share] | [-mirror] | [-reference] [-lock -reference] ]
[-[no]merge] [-overlay <selector>[,<selector>...]]|
[-[no]retain] [-reference]
[-[no]unifystate] [-trigarg <arg>]
[-[no]emptydirs] [-log <filename>]
[-target <module_configuration_url>]
[-mcachemode <mcache_mode>] [-mcachepaths <path_list>]
[-savelocal <value>] [-[no]replace] [-extras <list>]
[-view view1[,view2,...]] [-[no]connectedinstances]
[<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>]
```

```
[-exclude <object>[,<object>...]]
[-keepversions <n>]
[-keepsince <date>]
[-[no]recursive]
[-report <mode>]
[-[no]dryrun]
[-[no]force]
[--]
<argument> [<argument>...]
```

**quit** - No longer valid; use 'exit'

**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 [-workspace <path-to-workspace-dir>| -file
<path-to-workspace-list-file>]
[-preds32] [-dryrun] [-norecursive] [-continue_on_error]
[-verbose] [-usage] [-help]
```

**remove** - Removes a module member from a module.

```
remove [-[no]recursive] [-filter <string>] [-[no]keep] [-
[no]force]
[-[no]immediate] [-modulecontext <context>] [--] <argument>
```

**restoreserver** - Restores the data from a backed-up server

```
restoreserver
```

**restorevault** - Restores specified server vault or directory data

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

**retire** - Marks a branch as obsolete

```
retire [-[un]retire] [-[no]keep] [-[no]selected] [-
[no]recursive]
[-[no]force | [-branch <branch> | -branch auto(<branch>)]]
[-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]recursive] [-trigarg <arg>] [-[no]keepvid]
<folder>
<folder> [...]]
```

**rmhref** - Removes a hierarchical reference between modules

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

**rmmod** - Removes a module from a server or workspace

```
hcm rmmod [-[no]vaultdata] [-[no]notes] [-[no]force] [-
[no]keep]
<argument>
```

**rmvault** - Deletes the specified vault

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

**rmversion** - Deletes versions from the vault

```
rmversion [-[no]force] [-trigarg <arg>] [-report <mode>] [-
scrub]
[--] <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 -server <serverURL> -script <script>
[-urlparams <name>=<value>[&<name>=value[...]]]
[-output <file>]
```

**run** - Executes a DesignSync command file or stcl script

```
run [-verbose] [-dryrun] [-ignoreerrs] [--]
{-defaultdir <dir> | <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] [--]
<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 module root in a workspace

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

**setselector** - Sets the persistent selector list

```
setselector [-selected] [-recursive] [--]
<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 [-format text|list] [-report {normal | verbose |
brief}]
[-hrefmode {dynamic | static | normal}] [-[no]recursive]
<argument>
```

**showlocks** - Shows all locked items in the vault.

```
showlocks [-format text|list] [-modulecontext <context>]
[-[no]recursive] <argument>
```

**showmcache** - Lists the modules in one or more module caches.

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

**showmods** - Displays the modules available on a server or workspace.

```
showmods [-report {normal | brief | verbose}]
[-format [{text | list}] [-filter <string>] [<argument>]
```

**showstatus** - Displays the status of a module in your workspace.

```
showstatus [-[no]recursive] [-releases] [-[no]objects]
[-report {normal | brief | summary | verbose}]
[-format <type>] [-[no]hrefs] <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>]
```

**switchlocker** - Changes the current owner of a lock

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

## SyncAdmin - Synchronicity Administrator tool

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

## sync\_workspace\_upgrade - Updating workspace metadata from 3.X to 5.X.

```
sync_workspace_upgrade [-help] [-usage] [-force]
[-report normal|verbose|brief]
<workspace-directory-1> [<workspace-directory-2>...]
```

## syncdadmin - Manages syncd processes

```
syncdadmin [start | begin | stop [-force] | close [-force] |
lock | unlock | status [-verbose]]
```

## syncinfo - Returns Synchronicity environment information

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

## tag - Assigns a tag to a version or a branch

```
tag [ -[no]replace | -[no]delete | -version <selector> |
-branch <branch> | -branch auto(<branch>)]
[-[no]recursive] [-[no]modified] [-[im]mutable]
[-[no]comment <text>] [-[no]selected]
[-exclude <object>[,<object>,...]] [-report <mode>]
[-warn <mode>] [-modulecontext <context>] [-trigarg <arg>]
[--]
<tagname> [<argument> [<argument> ...]]
```

## unlock - Releases the lock from a server branch

```
unlock [-[no]recursive] [-[no]selected] [-trigarg <arg>]
[-exclude <object>[,<object>...]] [-filter <string>]
[-branch <branch> | -branch auto(<branch>)]
[-modulecontext <context>] [--] [<argument> [<argument>
...]]
```

## unremove - Restores removed files to a module

```
unremove [-version <selector>] -modulecontext <context>
<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 [-[no]maphrefs] [-[no]maperror] [-name
<modulename>]
```

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

## vhistory - Displays an object's version history

```
vhistory [-branch <branchname> -descendants <n> |
-lastversions <n> -lastbranches <n> | -all]
[-[no]selected] [-[no]recursive]
[-report <mode>] [-format list | text]
[-maxtags <n>] [-exclude <string>]
[-modulecontext <context>]
[-output <filename> | -stream <port>]
[--] <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>
```

## whereused - Traces the use of hierarchical references

```
whereused [-[no]recursive] [-format list|text] [-report
<mode>]
[-showtags all|none|immutable|version]
[-versions <selector>,...] <argument>
```

## 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> *
```

## 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 | -nooverride] -- <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
```

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

**hcm add** - Another name for the add command.

**hcm addbackref** - Another name for the addbackref command.

**hcm lock** - Another name for the lock command.

**hcm lock** - Another name for the lock command.

**hcm migratetag** - Another name for the migratetag command.

**hcm mkedge** - Another name for the mkedge command.

**hcm mvmember** - Another name for the mvmember command.

**hcm remove** - Another name for the remove command.

**hcm rmedge** - Another name for the rmedge command.

**hcm rollback** - Another name for the rollback command.

**hcm whereused** - Another name for the whereused command.

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

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

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

```
hcm addlogin -fromtarget <origin_server_url>
-fromuser <origin_server_username> | -fromallusers
-totarget <referenced_server_url> | -toalltargets
-touser <referenced_server_username>
```

**hcm doc** - Displays HCM Help in a web browser

```
hcm doc
```

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

```
hcm get [-recursive] [-target <configuration_url>]
[-path <path>] [-incremental | full]
[-replace | -noreplace | -force]
[-[no]retain] [-merge | edit] [-keys <key_mode>]
[-mcachemode <mcache_mode>] [-mcachepaths <path_list>]
```

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

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

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

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

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

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

**hcm rmlogin** - Removes a login stored on a server

```
hcm rmlogin -fromtarget <origin_server_url>
-fromuser <origin_server_username> | -fromallusers
-totarget <referenced_server_url> | -toalltargets
```

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

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

**hcm showconfs** - Displays module configurations (legacy)

```
hcm showconfs [-target <module_url> | -path <path>]
[-directoryrecursive] [-report {normal | script}]
```

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

```
hcm showhrefs [-target <configuration_url> | -path <path>]
[-report {normal | script | brief | command}]
[-recursive]
```

**hcm showlogins** - Displays the logins stored on a server

```
hcm showlogins -fromtarget <origin_server_url>
[ -fromuser <origin_server_username> | -fromallusers ]
[-report {normal | script | command} ]
```

**hcm showmcache** - Lists the releases in module caches (legacy)

```
hcm showmcache [-mcachepaths <path_list>]
[-report {normal | script}]
```

**hcm showmods** - Displays the modules available on a server

```
hcm showmods -target <server_url> [-report {normal |
script}]
```

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

```
hcm showstatus [-files]
[-path <path>]
[-recursive]
[-releases]
[-report {normal | brief | summary | script}]
```

**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 [-report brief|normal|verbose] [-mcachepaths
<path_list>]
[--] <argument>[<argument>...]
```

**mcache scrub** - Removes old module instances from the mcache

```
mcache scrub [-report brief|normal|verbose] [-mcachepaths
<path_list>]
[--] <age>
```

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

```
mcache show [-report brief|normal|verbose] [-format
list|text]
[-mcachepaths <path_list>]
```

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

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

<argument>[<argument>...]

**mirror create** - Creates a mirror

```
mirror create [-selector <list>] [-script <TCL_script>]
[-category <category>] [-fetchstate get|share]
[-cachedir <path>] [-cachelinktype hard|soft]
[-mcachemode link|server]
[-hrefmode<static|dynamic|normal>]
[-notify<email_list>] [-[no]recursive]
[-type normal|primary|secondary] [-RSuser <user>]
[-MASuser <user>] [-PMASuser <user>]
[-primaryserver <serverURL>] [-description <description>]
[-[no]enable] [-parentname <parent_mirror>]
<serverURL> -name <name> <-mirrordir <mirrorDir>>
-vaultURL <vaultURL>
```

**mirror delete** - Deletes a mirror

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

**mirror disable** - Disables a mirror

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

**mirror edit** - Modifies mirror parameters

```
mirror edit [-mirrordir <mirrorDir>] [-vaultURL <vaultURL>]
[-selector <selector_list>] [-category <category>]
[-script <TCL_script>] [-fetchstate get|share]
[-cachedir <path>] [-cachelinktype hard|soft]
[-mcachemode link | server]
[-notify <email_list>] [-[no]recursive]
[-type normal|primary|secondary] [-RSuser <user>]
[-MASuser <user>] [-PMASuser <user>]
[-primaryserver <serverURL>] [-description <description>]
[-hrefmode <static|dynamic|normal>] <serverURL>
-name <name>
```

**mirror enable** - Enables a specified mirror

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

**mirror get** - Returns all parameters for specified mirror

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

**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> [-enabled|disabled|all]
[-category <category_pattern>] [-format text|list]
[-name <name_pattern>]
```

**mirror rename** - Changes the mirror name

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

**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> [-defaultuser <user>]
[-commonnotifylist<email_list>] [-[no]enforceSUID]
[-[no]enforcedefaultuser] [-disableRS | -enableRS]
[-disableMAS | -enableMAS] [-name <name>]
[-warnifstale <time>]
```

**mirror status** - Returns the status for the mirror

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

**mirror wheremirrored** - Shows where vault data is mirrored.

```
mirror wheremirrored <vaultURL> [-selector <selector_list>]
[-category <category>]
[-type normal|primary|secondary|all]
[-name <name>]
[-status good|warning|failure|unknown|none|any]
[-format text|list]
```

**mw dependency** - Specifies or displays Milkyway view dependencies

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

**mw doc** - Displays the DS MW Help in a web browser

```
mw doc
```

**mw export** - Export data from a Milkyway library

```
mw export [-comment "<text>"]
[-refs -other -techfile [-tfname <file>] | -all]
[-modulecontext <context>] <library path>
```

Where:

<library path> is the path to your library.

**mw import** - Import data into a Milkyway library

```
mw import [-refs -other -techfile | -all] [-vault]
[-modulecontext <context>] <library path>
```

Where:

<library path> is the path to your library.

**mw rebuildlib** - Rebuilds a Milkyway library

```
mw rebuildlib <library_path>
```

Where:

<library path> is the path to your library.

**mw setuplib** - Initialize a Milkyway library for data management

```
mw setuplib [-vault <vaultURL> | -modulecontext <context>]
[-tfname <file>] [-norefs] [-notech] [-noother]
[-comment "<text>"]
<library path>
```

Where:

<library path> is the path to your library, which must already exist in

your workspace, but may be an empty folder.

**mw version** - Displays the DesignSync and the DS MW version

```
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]
[ [-dbquery <dbase_expr>] |
[-sqlquery <sql_expr>] ]
[-dateresolution <Resolution>]
[<OutVarName> [Dimension0 [Dimension1
[Dimension2]]]]
```

**note create** - Creates a new note

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

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

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

```
note query [-type <notetype>] [-filter ViewNote | EditNote]
```

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

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

```
[-select <PropertyList>] [--]
```

**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

**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>>
```

**sitr env** - Displays SITaR environment variables

```
sitr env
```

**sitr integrate** - Integrates selected changes into the project integration workspace

```
sitr integrate [-force] [-nopopulate] [-report {normal |  
verbose}]
```

```
[-noprompt]
```

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

```
sitr lookup [-since <timestamp> | <release configuration>]
```

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

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

**sitr mkbranch** - Creates a module branch of a SITaR module.

```
sitr mkbranch [-[no]populate] [-[no]integrate]
```

```
[-description <description>]
```

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

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

```
sitr mkmod -top
```

```
sitr mkmod -name [category/]<name> | -vaultpath <url>
```

```
[-description "<text>"] [-nomcache]]
```

**sitr populate** - Updates the workspace with the specified module version

```
sitr populate [-config <tagname>] [-force] [-noprompt]
```

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

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

```
sitr release [-release <sitr_branch><NUM.NUM>] [-  
description "<text>"]
```

```
[-noupdate] [-noprompt]
```

**sitr select** - Identifies module configurations to process.

```
sitr select [-clear] [-delete] [-relpath <relpath>]
```

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

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

**sitr status** - Compares the local workspace to the specified configuration.

```
sitr status -versus <tagname>
```

**sitr submit** - Submits a module version for integration

```
sitr submit [-release [<branch_>]v<NUM>[.<NUM>]] [-force]
```

```
[-nointegrate] [-noprompt] [-description <description>]
```

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

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

```
sitr update [-config <tag>] [-force] [-nooverwrite]
```

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

**sregistry delete** - Delete registry key or value

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

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

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

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

**sregistry get** - Get a registry value

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

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

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

```
[-format text | list] [-base dec | hex]
```

```
<keyPath> <value> [-default <dataPath>]
```

**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 ]
```

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

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

**registry reset** - Forces a refresh of all registry files

**registry scope** - Temporarily changes which registry files are active

```
sregistry scope [-project | -site]
{defaults set -- <command> <option> [<option> ...]}
```

**registry set** - Sets a registry value

```
sregistry set [-currentuser | -localmachine | -synch ]
[-user | -project | -site | -file <filename>]
[-port | -site | -file <filename>]
<keyPath> [-type number|string]
<value> [--] Data
```

**registry source** - Displays the source of a registry value

```
sregistry source [-currentuser | -localmachine | -synch]
[-user | -project | -site | -file <filename>]
[-port | -site | -file <filename>]
<keyPath> <value>
```

**registry values** - Displays the available registry values

```
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 [-user user] [-noteType noteType] [-filter Expr]
[-server serverURL] [-ci] [-conolock] [-colock]
[-unlock] [-tag] [-tagname TagName] object...
```

**subscription delete** - Deletes email subscriptions for specified objects

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

**subscription edit** - Edits email subscriptions

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

**subscription get** - Gets subscription information as a Tcl list

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

**subscription list** - Lists email subscriptions

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

**swap replace** - Replaces the version of a workspace module

```
swap replace [-hrefmode {static|normal|dynamic}] [-trigarg <arg>]
```

```
[-report {brief|normal|verbose|error}] [--]
<selector> <argument>
```

**swap restore** - Restores a previously swapped module version

```
swap restore [-parent <parent_module_inst>] [-trigarg <arg>]
```

```
[-report {brief|normal|verbose|error}] [--]
<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>
[-replace]
[-require|exclude <name> <valueExprList> ...]
```

```
[-exec <command_and_arguments> |
```

```
-tcl_script <script_filename> |
```

```
-tcl_file <file_name> |
```

```
-tcl_store <file_name>]
```

**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 [-enabled|disabled|all]
```

```
[name_expr ...]
```

```
[-event event]
```

**trigger status** - Shows the status of triggers

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

**trigger unblock** - Deprecated command

```
trigger unblock
```

**url branchid** - Returns the branch number of the specified object, module or module member

```
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 [-ifpopulated [-incremental] | -all] [-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 [-help | -usage | -?] [-hreffilter | -filter]
[--] <argument>
```

**url getprop** - Retrieves a property of an object

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

**url inconflct** - Checks if a file merge had conflicts

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

**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 [-version <selector>] [-btags] [--] <argument>
```

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

```
url users <object>
```

**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 [--] <module-instance>
```

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

**user delete** - Deletes the specified user ID and corresponding profile

```
user delete <username>
```

**view get** - Shows the contents of a module view

```
view get -name <viewname> [-output <localfile>]
```

```
[-format text|list] [--] <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 -name <viewName>|-all -infile <inputFile> [-  
[no]replace]
```

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

**view remove** - Removes a module view from the server

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

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