SUBVERSION

Subversion Components

svn	Command line program
svnversion	Revision of working copy
svnlook	Inspect repository
svnadmin	Repository administration
svndumpfilter	Filter repository stream
mod_dav_svn	Apache module
svnserve	SVN server (SVN protocol)
svnsync	Mirror repository

Subversion Protocols

file://	Local machine
http://	HTTP (Apache)
https://	HTTPS (SSL)
svn://	SVN (svnserve)
svn+ssh://	SVN over SSH

Subversion Help

$ svn help

$ svn help import
Show help for "import" command

Note The $ symbol is used to denote commands to be typed.

Repository Administration

$ svnadmin create "/path/to/repository"
Create repository

$ svnadmin setlog "path" -r 7 message.txt
Change log message for revision 7 of "path" to contents of message.txt

$ svnadmin dump "repository" > filename
Dump contents of repository to file

$ svnadmin load "repository" < filename
Load contents of file into repository

Add Local Folder to Repository

$ svn import folder "/path/to/repository"

Checkout Working Copy

$ svn checkout "/path/to/repository/folder"
Creates working copy of "folder"

$ svn checkout "/path" foldername
Checkout into new folder "foldername"

Update Working Copy from Repository

$ svn update "/path"

$ svn update -r9 "/path"
Update to revision 9

Add Files or Folders

$ svn add *
Add all items in folder, and recurse (ignores versioned directories)

$ svn add itemname
If itemname is folder, all subfolders and files will also be added

$ svn add * --force
Force recurse into versioned directories

Deleting, Copying and Moving

$ svn delete "/path"

$ svn -m "Deleting" delete "/path"
Deletes with message "Deleting"

$ svn copy "sourcepath" "targetpath"
Copy source to target

$ svn move "sourcepath" "targetpath"
Move source to target

Revert Local (Uncommitted) Changes

$ svn revert "/path/filename"
Reverts changes to file

$ svn revert -R "/path/folder"
Reverts changes to folder recursively

Logs and Blame

$ svn log "/path"
Show log messages from repository

$ svn blame "/path"
Show commits with messages for path

Differences Between Files

$ svn diff "/path/file"
See what has changed in "/path/file"

$ svn diff "/path/file@2" "/path/file@7"
Compares file in revisions 2 and 7

$ svn diff -r 2:7 "/path/folder"
Compared all files in revisions 2 and 7

Merge Changes

$ svn merge -r 2:7 "item" "/path/file"
Apply the diff between revisions 2 and 7 of "item" to "/path/file"

$ svn merge "url1" "url2" "/path/file"
Apply the diff between "url1" and "url2" to "/path/file"

Note This cheat sheet is based in large part on the SVN book, free from: **http://svnbook.red-bean.com/**

Commit Changes to Repository

$ svn commit "/path"
Commit changes to file or folder

$ svn commit -m "Message" "/path"
Commit with message "Message"

$ svn commit -N "/path"
Commit changes to folder without recurse

Miscellaneous Commands ($ svn ...)

resolve "/path"	*Resolve conflict*
cleanup "/path"	*Recursively remove locks and complete operations*
lock "/path"	*Lock path*
unlock "/path"	*Unlock path*
cat "/path"	*View file contents*
status "/path"	*Get path status*

Item and Property Statuses

' '	No modifications
'A'	Addition
'D'	Deletion
'M'	Modified
'R'	Item replaced
'C'	In conflict
'X'	Externals definition
'I'	Ignored
'?'	Not in repository
'!'	Item missing
'~'	Object type changed

Property Commands ($ svn ...)

proplist "/path"	*List properties*
propset PROP VAL "/path"	*Set property "PROP" to value "VAL"*
propget PROP "/path"	*Get value of "PROP"*
propedit PROP "/path"	*Edit "PROP"*
propdel PROP "/path"	*Delete "PROP"*

Argument Shortcuts

-m "Message"	--message
-q	--quiet
-v	--verbose
-r	--revision
-c	--change
-t	--transaction
-R	--recursive
-N	--non-recursive