

Subversion Resources

Homepage <http://subversion.apache.org/>
 SVN Book <http://svnbook.red-bean.com/>

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

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

Subversion Repository Administration

\$ svnadmin create "/path/to/repository"
 | Create new repository
 \$ svnadmin setlog "/path" -r 7 message.txt
 | Change log message for revision 7 to contents of file message.txt
 \$ svnadmin dump "/path/to/repository" > filename
 | Dump repository to file (backup)
 \$ svnadmin load "/path/to/repository" < filename
 | Load repository from file (restore)

Subversion Property Commands

\$ svn proplist "/path"
 | List properties
 \$ svn propset PROP VAL "/path"
 | Set PROP to VAL for path.
 \$ svn proptest PROP "/path"
 | Get value of PROP
 \$ svn propedit PROP "/path"
 | Edit PROP
 \$ svn propdel PROP "/path"
 | Delete PROP

Subversion Checkout Working Copy

\$ svn checkout "/path/to/repository"
 | Checkout working copy into current folder
 \$ svn checkout "/path/to/repository" "/path/to/folder"
 | Checkout working copy into target folder

Subversion Update Working Copy

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

Subversion Add Files and Folders

\$ svn add *
 | Add all items, recursively
 \$ svn add itemname
 | Add itemname (if folder, adds recursively)
 \$ svn add * --force
 | Force recursion into versioned directories

Subversion Commit Changes

\$ svn commit "/path"
 | Commit changes to path
 \$ svn commit -m "Message" "/path"
 | Commit with log message

Subversion Commit Changes (cont)

\$ svn commit -N "/path"
 | Commit without recursion
 \$ svn import "/path/to/folder" "/path"
 | Import and commit local folder

Subversion Deleting, Copying and Moving

\$ svn delete "/path"
 | Delete path
 \$ svn -m "Delete message" delete "/path"
 | Delete with log message
 \$ svn copy "/source" "/target"
 | Copy source to target
 \$ svn move "/source" "/target"
 | Move source to target

Subversion Logs and Blame

\$ svn log "/path"
 | Show log messages for path
 \$ svn blame "/path"
 | Show commits for path

Subversion Revert Changes

\$ svn revert "/path"
 | Revert changes to path
 \$ svn revert -R "/path"
 | Revert changes recursively

Subversion Differences Between Files

\$ svn diff "/path/file"
 \$ svn diff "/path/file@2" "/path/file@7"
 \$ svn diff -r 2:7 "/path/folder"

Subversion Merge Changes

\$ svn merge -r2:7 "item" "/path"
 | Apply diff between revisions 2 and 7 of "item" to path
 \$ svn merge "url1" "url2" "/path"
 | Apply diff between "url1" and "url2" to path



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Subversion Miscellaneous Commands

\$ svn resolve "/path"

Resolve conflict

\$ svn cleanup "/path"

Remove locks and complete operations

\$ svn lock "/path"

Lock path

\$ svn unlock "/path"

Unlock path

\$ svn status "/path"

Get path status

\$ svn cat "/path"

View file contents

Subversion Item and Property Statuses

No modifications (blank)

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

Subversion Argument Shortcuts

-m "Message" --message

-q --quiet

-v --verbose

-r --revision

-c --change

-t --transaction

-R --recursive

-N --non-recursive



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