

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

Subversion Repository Administration (cont)

\$ 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 propget 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
\$ 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



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Published 25th February, 2012.
 Last updated 25th February, 2020.
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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

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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