

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 proptest 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
```



By **Dave Child** (DaveChild)
cheatography.com/davechild/
alnoneahill.com

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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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