

### 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 recurs-  
| ively)  
$ svn add * --force  
| Force recursion into versioned direct-  
| ories
```

### 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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### 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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