

Daily Usage

Check out a working copy

```
svn checkout URL path
```

Check out a specific revision

```
svn checkout -r rev URL path
```

Information about a working copy

```
svn info path
```

Add a file or directory

```
svn add path...
```

Remove a file or directory

```
svn remove path...
```

Update a working copy

```
svn update
```

Update specific items

```
svn update path...
```

Check in changes

```
svn commit -m "Message"
```

Status codes

First column (items)

No modifications

A Added

C Conflicted

D Deleted

G Merged

I Ignored

M Modified

R Replaced

X Unversioned, used as external

? Unversioned

! Missing

- Obstructed by another item

Second column (properties of the item)

No modifications

C Conflicted

M Modified

Third column (working copy lock)

Not locked

L Locked

Branching and Tagging

Create directories

```
svn mkdir \  
svn://.../tags -m "tags"
```

Create a release branch

```
svn copy \  
svn://.../trunk \  
svn://.../branches/RB-x.y
```

Checkout a release branch

```
svn checkout \  
svn://.../branches/RB-x.y
```

Switch a working copy to a release branch

```
svn switch \  
svn://.../branches/RB-x.y
```

Switch a working copy back to trunk

```
svn switch \  
svn://.../trunk
```

Create a release tag

```
svn copy \  
svn://.../branches/RB-x.y \  
svn://.../tags/REL-x.y
```

Check out a release

```
svn checkout \  
svn://.../tags/REL-x.y
```

Find out when a release was created

```
svn log --stop-on-copy \  
svn://.../branches/branch
```

Experimenting

Create an experimental branch

```
svn copy \  
svn://.../trunk \  
svn://.../branches/TRY-initials-  
mnemonic
```

Use an experimental branch

```
svn switch \  
svn://.../branches/TRY-initials-  
mnemonic
```

Return to the trunk

```
svn switch svn://.../trunk
```

Merge an experimental branches

```
svn log --stop-on-copy \  
svn://.../branches/TRY-initials-  
mnemonic  
cd trunk-working-copy  
svn merge \  
-r branch-start-revision:HEAD \  
svn://.../branches/TRY-initials-  
mnemonic
```

Bug fixing

Merge a single-commit bugfix from a release branch to trunk

```
svn update  
svn merge -rrev-1:rev \  
svn://.../branches/RB-x.y
```

Create a branch for complex bug fixing

```
svn copy \  
svn://.../branches/RB-x.y \  
svn://.../branches/BUG-track  
svn copy \  
svn://.../branches/BUG-track \  
svn://.../tags/PRE-track
```

Checking out a bug fix branch

```
svn checkout \  
svn://.../branches/BUG-track
```

Tag the end of a bugfix branch

```
svn copy \  
svn://.../branches/BUG-track \  
svn://.../tags/POST-track
```

Merge complex bugfix with a release branch

```
cd RB-x.y  
svn merge \  
svn://.../tags/PRE-track \  
svn://.../tags/POST-track
```

File magic

Copying a file or directory

```
svn copy source destination
```

Moving a file or directory

```
svn move source destination
```

Renaming a file or directory

```
svn rename oldname newname
```

Show changes

```
svn diff path...
```

Compare two revisions

```
svn diff -rrev1:rev2 file...
```

Compare with latest revision

```
svn diff -r HEAD file...
```

Show most recent changes

```
svn diff -r PREV:BASE file...
```

Create a patch file

```
svn diff > patchfile
```

Apply a patch file

```
patch -p0 -i patchfile
```

Revert to a commit change

```
svn merge -r rev:rev-1 path...
```

Properties

Setting a property

```
svn propset propName \  
propvalue path...
```

Edit a property

```
svn propedit propName path...
```

List properties

```
svn proplist path...
```

Content of a property

```
svn propget propName path...
```

Delete a property

```
svn propdel propName path...
```

Ignore all files in a directory

```
svn propset svn:ignore "*" path
```

Make a file executable

```
svn propset svn:executable \  
true path...
```

Locking

Enable locking on a file

```
svn propset svn:needs-lock \  
true file...  
svn commit file... \  
-m "Enabled locking"
```

Obtain a lock on a file

```
svn lock file... -m "lock comment"
```

Release a lock on a file

```
svn unlock file...
```

View lock information

```
svn info file... | grep Lock
```

Break another user's lock

```
svn unlock --force URL
```

Steal another user's lock

```
svn lock --force file... \  
-m "lock message"
```

Subversion Cheat Sheet 1.0 by Ariejan de Vroom

Find updates at:
<http://ariejan.net/svncheatsheet>

More Subversion articles:
<http://ariejan.net/tags/subversion>