Subversion Centralised version control

CONCEPTS

Revisions are repository-wide numbers: r42 is the whole tree at one point, not one file.

Working copy your files
↓ `svn commit`
Repository central server, revisions
↓ `svn update`
Working copy everyone else's

Branches and tags are ordinary directories made with svn copy; the layout trunk/ branches/ tags/ is only convention.

WORKING COPY

`svn checkout` *`<url>`* **`[`***`<dir>`***`]`**
Check out a working copy

`svn update`
Bring working copy up to date

`svn update -r` *`<rev>`*
Update to a specific revision

`svn info`
Show URL, revision, repo root

`svn cleanup`
Release locks after a crash

`svn switch` *`<url>`*
Point working copy at another branch

`svn export` *`<url>`* *`<dir>`*
Clean tree without .svn

CHANGES

`svn status`
List local changes

`svn add` *`<path>`*
Schedule files for addition

`svn delete` *`<path>`*
Schedule removal

`svn move` *`<src>`* *`<dst>`*
Rename, keeping history

CHANGES (cont.)

`svn copy` *`<src>`* *`<dst>`*
Copy, keeping history

`svn revert -R` *`<path>`*
Undo local changes recursively

`svn commit -m "`*`<msg>`***`"`**
Commit local changes

INSPECT

`svn diff`
Local changes against base

`svn diff -c` *`<rev>`*
Changes made in one revision

`svn log -l` *`<n>`*
Last n log entries

`svn log -v`
Include changed paths

`svn blame` *`<file>`*
Who last changed each line

BRANCH AND MERGE

`svn copy` *`<trunk-url>`* *`<branch-url>`* **`-m "`***`<msg>`***`"`**
Create a branch

`svn switch` *`<branch-url>`*
Work on the branch

`svn merge` *`<branch-url>`*
Merge branch changes into here

CONFLICTS

`svn resolve --accept working` *`<path>`*
Keep your edited file

A conflict leaves .mine and .rNN files next to the file; resolve removes them.

PROPERTIES AND LOCKS

`svn propset svn:ignore "`*`<pattern>`***`"`** *`<dir>`*
Ignore files in a directory