

**NAME**

**svn merge** — Apply the differences between two sources to a working copy path

**SYNOPSIS**

```
svn merge [-cNqx] [--accept] [--change] [--config-dir DIR]
          [--config-option OPT] [--depth DEP] [--diff3-cmd] [--dry-run]
          [--force] [--ignore-ancestry] [--non-recursive]
          [--no-auth-cache] [--non-interactive] [--password PWD] [--quiet]
          [{-r | --revision} REV] [--record-only] [--reintegrate]
          [--trust-server-cert] [--username USR] [--extensions] URL1[@N]
          URL2[@M] [TARGET]

svn merge [options] PATH1@N PATH2@M [TARGET]
svn merge [options] [-c M[,N ...] | -r N:M ...] SOURCE[@REV] [TARGET]
```

**DESCRIPTION**

Merge two sources, writing results to the working copy *TARGET*.

In the first form, the source URLs are specified at revisions *N* and *M*. These are the two sources to be compared. The revisions default to HEAD if omitted.

In the second form, the URLs corresponding to the source working copy paths define the sources to be compared. The revisions must be specified.

In the third form, *SOURCE* can be either a URL or a working copy path (in which case its corresponding URL is used). *SOURCE* (in revision *REV*) is compared as it existed between revisions *N* and *M* for each revision range provided. If *REV* is not specified, HEAD is assumed. **-c** *M* is equivalent to **-r** *M-1:M*, and **-c** **-M** does the reverse: **-r** *M:M-1*. If no revision ranges are specified, the default range of 0:*REV* is used. Multiple **-c** and/or **-r** options may be specified, and mixing of forward and reverse ranges is allowed. *PATH* is the working copy path that will receive the changes. If *PATH* is omitted, a the default value is '.' unless the sources have identical basenames that match a file within '.', in which case the differences will be applied to that file.

**OPTIONS**

|                    |                                                                                                                                               |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>--accept</b>    | specify automatic conflict resolution source, one of:<br>base<br>working<br>mine-conflict<br>theirs-conflict<br>mine-full<br>theirs-full      |
| <b>-c --change</b> | the change made by revision <i>ARG</i> (like <b>-r</b> <i>ARG-1:ARG</i> ) Equivalent to <b>-r</b> <i>ARG:ARG-1</i> if <i>ARG</i> is negative. |
| <b>--depth DEP</b> | limit operation by depth <i>ARG</i> , one of:<br>empty<br>files<br>immediates<br>infinity                                                     |
| <b>--diff3-cmd</b> | use <i>ARG</i> as merge command                                                                                                               |
| <b>--dry-run</b>   | try operation but make no changes                                                                                                             |
| <b>--force</b>     | force operation to run                                                                                                                        |

**--ignore-ancestry** ignore ancestry when calculating merges  
**-N --non-recursive** obsolete; try **--depth=files** or **--depth=immediates**  
**-q --quiet** print nothing, or only summary information  
**-r --revision REV** the revision argument *REV* can be one of:  
     *NUMBER* revision number  
     ‘{’ *DATE* ‘}’ revision at start of the date  
     HEAD latest in repository  
     BASE base rev of item's working copy  
     COMMITTED last commit at or before BASE  
     PREV revision just before COMMITTED  
 Some commands also take an *ARG1 : ARG2* range.  
**--record-only** mark revisions as merged (use with -r)  
**--reintegrate** lump-merge all of source URL's unmerged changes  
**-x --extensions** When Subversion is invoking an external diff program, *ARG* is simply passed  
 verbatim to the program. When Subversion is using its default internal diff  
 implementation, or is displaying blame annotations, *ARG* could be any of the  
 following:  
     **-u --unified**  
         Output 3 lines of unified context (default)  
     **-b --ignore-space-change**  
         Ignore changes in the amount of white space  
     **-w --ignore-all-space**  
         Ignore all white space.  
     **--ignore-eol-style**  
         Ignore changes in EOL style  
     **-p --show-c-function**  
         Show C function name in diff output

## GLOBAL OPTIONS

**--config-dir DIR** read user configuration files from directory *DIR*  
**--config-option OPT** set user configuration option *OPT* in the format:  
     FILE:SECTION:OPTION=[VALUE]  
 For example:  
     servers:global:http-library=serf  
**--no-auth-cache** do not cache authentication tokens  
**--non-interactive** do no interactive prompting  
**--password PWD** specify a password *PWD*  
**--trust-server-cert** accept unknown SSL server certificates without prompting (but only with  
     **--non-interactive**)  
**--username USR** specify a username *USR*

## NOTE

Subversion records metadata to track the merge only if the two sources are on the same line of history i.e. if the first source is an ancestor of the second, or vice-versa. This is guaranteed to be the case when using the third form listed above. The **--ignore-ancestry** option overrides this, forcing Subversion to regard the sources as unrelated and not to track the merge.