NAME

rcsclean − clean up working files

SYNOPSIS

rcsclean [*options*] [*file* . . .]

DESCRIPTION

rcsclean removes files that are not being worked on. **rcsclean −u** also unlocks and removes files that are being worked on but have not changed.

For each *file* given, **rcsclean** compares the working file and a revision in the corresponding RCS file. If it finds a difference, it does nothing. Otherwise, it first unlocks the revision if the **−u** option is given, and then removes the working file unless the working file is writable and the revision is locked. It logs its actions by outputting the corresponding **rcs −u** and **rm −f** commands on the standard output.

Files are paired as explained in **ci**(1). If no *file* is given, all working files in the current directory are cleaned. Pathnames matching an RCS suffix denote RCS files; all others denote working files.

The number of the revision to which the working file is compared may be attached to any of the options **−n**, **−q**, **−r**, or **−u**. If no revision number is specified, then if the **−u** option is given and the caller has one revision locked, **rcsclean** uses that revision; otherwise **rcsclean** uses the latest revision on the default branch, normally the root.

rcsclean is useful for **clean** targets in makefiles. See also **rcsdiff**(1), which prints out the differences, and **ci**(1), which normally reverts to the previous revision if a file was not changed.

OPTIONS

−k*subst* Use *subst* style keyword substitution when retrieving the revision for comparison. See **co**(1) for details.

−n[*rev*] Do not actually remove any files or unlock any revisions. Using this option will tell you what **rcsclean** would do without actually doing it.

−q[*rev*] Do not log the actions taken on standard output.

−r[*rev*] This option has no effect other than specifying the revision for comparison.

−T Preserve the modification time on the RCS file even if the RCS file changes because a lock is removed. This option can suppress extensive recompilation caused by a **make**(1) dependency of some other copy of the working file on the RCS file. Use this option with care; it can suppress recompilation even when it is needed, i.e. when the lock removal would mean a change to keyword strings in the other working file.

−u[*rev*] Unlock the revision if it is locked and no difference is found.

−V Print RCS's version number.

−V*n* Emulate RCS version *n*. See **co**(1) for details.

−x*suffixes*
Use *suffixes* to characterize RCS files. See **ci**(1) for details.

−z*zone* Use *zone* as the time zone for keyword substitution; see **co**(1) for details.

EXAMPLES

rcsclean *.c *.h

removes all working files ending in **.c** or **.h** that were not changed since their checkout.

rcsclean

removes all working files in the current directory that were not changed since their checkout.

FILES

rcsclean accesses files much as **ci**(1) does.

ENVIRONMENT

RCSINIT

options prepended to the argument list, separated by spaces. A backslash escapes spaces within an option. The **RCSINIT** options are prepended to the argument lists of most RCS commands. Useful **RCSINIT** options include **−q**, **−V**, **−x**, and **−z**.

DIAGNOSTICS

The exit status is zero if and only if all operations were successful. Missing working files and RCS files are silently ignored.

IDENTIFICATION

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SEE ALSO

ci(1), co(1), ident(1), rcs(1), rcsdiff(1), rcsintro(1), rcsmerge(1), rlog(1), rcsfile(5)
Walter F. Tichy, RCS—A System for Version Control, *Software—Practice & Experience* **15**, 7 (July 1985), 637-654.

BUGS

At least one *file* must be given in older Unix versions that do not provide the needed directory scanning operations.