

NAME

rlog - print log messages and other information about RCS files

SYNOPSIS

rlog [*options*] *file* ...

DESCRIPTION

rlog prints information about RCS files.

Filenames matching an RCS suffix denote RCS files; all others denote working files. Names are paired as explained in **ci**(1).

rlog prints the following information for each RCS file: RCS file name, working file name, head (i.e., the number of the latest revision on the trunk), default branch, access list, locks, symbolic names, suffix, total number of revisions, number of revisions selected for printing, and descriptive text. This is followed by entries for the selected revisions in reverse chronological order for each branch. For each revision, **rlog** prints revision number, author, date/time, state, number of lines added/deleted (with respect to the previous revision), locker of the revision (if any), and log message. All times are displayed in Coordinated Universal Time (UTC) by default; this can be overridden with **-z**. Without options, **rlog** prints complete information. The options below restrict this output.

- L** Ignore RCS files that have no locks set. This is convenient in combination with **-h**, **-l**, and **-R**.
- R** Print only the name of the RCS file. This is convenient for translating a working file name into an RCS file name.
- h** Print only the RCS file name, working file name, head, default branch, access list, locks, symbolic names, and suffix.
- t** Print the same as **-h**, plus the descriptive text.
- N** Do not print the symbolic names.
- b** Print information about the revisions on the default branch, normally the highest branch on the trunk.
- ddates**
Print information about revisions with a checkin date/time in the ranges given by the semicolon-separated list of *dates*. A range of the form *d1*<*d2* or *d2*>*d1* selects the revisions that were deposited between *d1* and *d2* exclusive. A range of the form <*d* or *d*> selects all revisions earlier

than *d*. A range of the form *d*< or >*d* selects all revisions dated later than *d*. If < or > is followed by = then the ranges are inclusive, not exclusive. A range of the form *d* selects the single, latest revision dated *d* or earlier. The date/time strings *d*, *d1*, and *d2* are in the free format explained in **co**(1). Quoting is normally necessary, especially for < and >. Note that the separator is a semicolon.

-l[*lockers*]

Print information about locked revisions only. In addition, if the comma-separated list *lockers* of login names is given, ignore all locks other than those held by the *lockers*. For example, **rlog -L -R -lwft RCS/*** prints the name of RCS files locked by the user **wft**.

-r[*revisions*]

prints information about revisions given in the comma-separated list *revisions* of revisions and ranges. A range *rev1:rev2* means revisions *rev1* to *rev2* on the same branch, *:rev* means revisions from the beginning of the branch up to and including *rev*, and *rev:* means revisions starting with *rev* to the end of the branch containing *rev*. An argument that is a branch means all revisions on that branch. A range of branches means all revisions on the branches in that range. A branch followed by a . means the latest revision in that branch. A bare **-r** with no *revisions* means the latest revision on the default branch, normally the trunk.

-s*states*

prints information about revisions whose state attributes match one of the states given in the comma-separated list *states*.

-w[*logins*]

prints information about revisions checked in by users with login names appearing in the comma-separated list *logins*. If *logins* is omitted, the user's login is assumed.

-q This option has no effect; it is provided for consistency with other commands.

-T This option has no effect; it is present for compatibility with other RCS commands.

-V Print RCS's version number.

-Vn Emulate RCS version *n* when generating logs. See **co**(1) for more.

-x*suffixes*

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

rlog prints the intersection of the revisions selected with the options **-d**, **-l**, **-s**, and **-w**, intersected with

the union of the revisions selected by **-b** and **-r**.

-zzone

specifies the date output format, and specifies the default time zone for *date* in the **-ddates** option. The *zone* should be empty, a numeric UTC offset, or the special string **LT** for local time. The default is an empty *zone*, which uses the traditional RCS format of UTC without any time zone indication and with slashes separating the parts of the date; otherwise, times are output in ISO 8601 format with time zone indication. For example, if local time is January 11, 1990, 8pm Pacific Standard Time, eight hours west of UTC, then the time is output as follows:

<i>option</i>	<i>time output</i>	
-z	1990/01/12 04:00:00	<i>(default)</i>
-zLT	1990-01-11 20:00:00-08	
-z+05:30	1990-01-12 09:30:00+05:30	

EXAMPLES

```
rlog -L -R RCS/*
rlog -L -h RCS/*
rlog -L -l RCS/*
rlog RCS/*
```

The first command prints the names of all RCS files in the subdirectory **RCS** that have locks. The second command prints the headers of those files, and the third prints the headers plus the log messages of the locked revisions. The last command prints complete information.

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**.

RCS_MEM_LIMIT

Normally, for speed, commands either memory map or copy into memory the RCS file if its size is less than the *memory-limit*, currently defaulting to “unlimited”. Otherwise (or if the initially-tried speedy ways fail), the commands fall back to using standard i/o routines. You can adjust the memory limit by setting **RCS_MEM_LIMIT** to a numeric value *lim* (measured in kilobytes). An empty value is silently ignored. As a side effect, specifying **RCS_MEM_LIMIT** inhibits fall-back to slower routines.

TMPDIR

Name of the temporary directory. If not set, the environment variables **TMP** and **TEMP** are inspected instead and the first value found is taken; if none of them are set, a host-dependent default is used, typically **/tmp**.

DIAGNOSTICS

The exit status is zero if and only if all operations were successful.

IDENTIFICATION

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SEE ALSO

ci(1), **co(1)**, **ident(1)**, **rcs(1)**, **rcsdiff(1)**, **rcsmerge(1)**, **rcsfile(5)**.

Walter F. Tichy, RCS--A System for Version Control, *Software--Practice & Experience* **15**, 7 (July 1985), 637-654.

The full documentation for RCS is maintained as a Texinfo manual. If the **info(1)** and RCS programs are properly installed at your site, the command

info rcs

should give you access to the complete manual. Additionally, the RCS homepage:

<http://www.gnu.org/software/rcs/>

has news and links to the latest release, development site, etc.

BUGS

The separator for revision ranges in the **-r** option used to be **-** instead of **:**, but this leads to confusion when symbolic names contain **-**. For backwards compatibility **rlog -r** still supports the old **-** separator, but it warns about this obsolete use.