NAME

checkout – RCS check-out utility

SYNOPSIS

checkout *[options] [file-specifications]*

DESCRIPTION

Checkout is an extension of the RCS utility **co**. It uses a file's check-in date to set the file's modification date after check-out.

Checkout uses the rcs utility **co**. It is normally invoked from the **rcsget** script, but may be invoked in a standalone manner. **Checkout** differs from **co** primarily in its treatment to the delta date: after invoking **co**, **checkout** sets the file's modification date to match the delta-date for the extracted version.

Set-UID Operation

Like the **checkin** utility, **checkout** properly handles set-uid operation for a non-root effective user. The archived files are owned by the effective user, and the checked-out files are owned by the real user.

Note that since **checkin** initializes the access list in the archive files, the real user must appear on the access list to lock a file. Of course, if no lock is made, then the user need not be on the access list.

OPTIONS

Checkout recognizes all of the "**co**" options except for the "**–d**" cutoff date. Instead, the "**–c**" option is used:

–c *cutoff*

specifies the *rcs* cutoff date, in SCCS-format

```
YY[MM[DD[HH[MM[SS]]]]]
```

Punctuation in the date is permitted. For example,

```
-c 77/2/2 9:22:25
-c 770202092225
```

represent the same date. This option is translated to the **co** "**–d**" option.

Use the "**–x**" option of **checkout** to direct it to retain the pathname when translating between working and archive files, e.g, "**path/name**" becomes "**path/RCS/name,v**". If the "**–x**" option is not set, "**path/name**" becomes "**./RCS/name,v**", and "**path/RCS/name,v**" becomes "**./name**".

OPERATIONS

To extract files using **checkout**, you must provide one or more file names. For each name, checkout parses the leaf-name and extracts the specified version from the "./RCS" directory.

ENVIRONMENT

Checkout is a C-language program. It invokes **co** via an *execlp* call (so that **co** must be in your path), and performs pre- and postprocessing of the archive and working file to determine the delta-date to use for the extracted file. Environment variables used by checkout include:

RCS_DIR

if defined, specifies the directory in which *rcs*
archive files are found. Normally files are found in "./RCS".

TZ is the POSIX time zone, which is overridden internally so that file modification dates are independent of the local time zone.

FILES

Checkout uses the following files:

co the RCS check-out program

ANTICIPATED CHANGES

This does not handle *rcs* branches properly.

Checkout does not handle the "**−j**" and "**−p**" options of **co**.

AUTHORS

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SEE ALSO

checkin, rcsput, ded, ci (1), co (1)