NAME
>   **putdelta** − SCCS check-in utility

USAGE
>   **putdelta** *[options] [file-specifications]*

SYNOPSIS
>   **Putdelta** is a simple, easy to use interface to *sccs* (**s**ource **c**ode **c**ontrol **s**ystem). It checks into the *sccs* archive all files specified.

DESCRIPTION
>   **Putdelta** uses the *sccs* utilities **admin** and **delta** to maintain versions of a given source file in a dependent directory named "SCCS" It is more than an integration of the **admin** and **delta** utilities, however:
>
>   • If the *sccs* archive directory does not already exist, **putdelta** creates it.
>
>   • If the file has not been locked, **putdelta** creates a lock (i.e., a "p." file). If a "p." file already exists, **putdelta** will attempt to use the lock However, if the lock belongs to another user, **putdelta** will not check-in the file.
>
>   • **Putdelta** retains the executable-mode of the file which is checked-in That is, if it is a shell-script (and has a mode such as 755), the mode of *sccs* "s." file is set to 555 The **getdelta** utility works in the opposite fashion, setting the extracted file's mode to correspond to that of the "s." file.
>
>   • **Putdelta** sets the "-n" option of delta, so that your file is not deleted after check-in.
>
>   • The "s." file is post-processed by **putdelta** so that the check-in date matches the file's modification date.
>
>   The last point is the fundamental advantage offered by **putdelta**. The ordinary *sccs* methodology uses the current date as the check-in date This works well only for large projects in which a central project administrator is responsible for controlling the versions of source files It does not work well for small projects, for which *sccs*'s primary advantage is its compact storage of multiple versions of a file.
>
>   By using the file's modification date as a reference, you can more easily back up to a meaningful version − by date, rather than version number.
>
>   **Putdelta** integrates the essential functions used in the *sccs* check-in process into one utility program.

OPTIONS
>   Some options which you may specify to **putdelta** are passed through to the underlying **admin** and **delta** utilities:
>
>   **−s**   suppresses some of the messages generated by the *sccs* **admin** and **delta** utilities describing the number of lines changed, etc.
>
>   **−y***text*   specifies the change-history text. You will be prompted for this if you do not supply it, in versions after the first, by the **delta** utility.
>
>   Other options are handled directly by **putdelta**:
>
>   **−b**   (binary) sets flags to ensure SCCS treats the file as binary
>
>   **−f**   (force) creates a new delta even if no lock was made.
>
>   **−k**   (keys) on the initial check-in, causes **admin** to require keywords.
>
>   **−n**   (no-op) shows actions, but does not perform them.
>
>   **−r***SID*   specify SCCS-sid in case of multiple pending deltas

OPERATIONS
>   **Putdelta** is designed to operate with the standard **sccs** utilities with a minimum of fuss and bother It retains your working file after check-in since that facilitates development In effect, it simply appends the current version of each file which you specify onto the archive.

ENVIRONMENT
>   Environment variables imported by **putdelta** include:

SCCS_DIR

specifies the directory into which the *sccs* "s." files are stored If no specified, **putdelta** assumes "SCCS".

TZ   is the prevailing timezone, which **putdelta** uses to set the check-in date in the "s." file **Putdelta** sets the timezone to **EST5EDT**, in part to avoid conflict with **get**'s date checking.

FILES

Putdelta is a single binary file, written in C It runs in a POSIX environment.

ANTICIPATED CHANGES

Provide a mechanism for inserting dummy version numbers so that **putdelta** can bump the release number (for genuine major releases) Currently, the SID's are restricted to 1.1, 1.2, 1.3, etc.

SEE ALSO

sccsput, sccsget, getdelta, admin(1), delta(1)

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