NAME

delta — make a delta (change) to an SCCS file

SYNOPSIS

delta [−rSID] [−s] [−n] [−glist] [−m[mrlist]] [−y[comment]] [−p] file ...

DESCRIPTION

Delta is used to permanently introduce into the named SCCS file changes that were made to the file retrieved by *get*(1S) (called the *g-file*, or generated file).

Delta makes a delta to each named SCCS file. If a directory is named, *delta* behaves as though each file in the directory were specified as a named file, except that non-SCCS files (last component of the pathname does not begin with **s.**) and unreadable files are silently ignored. If a name of — is given, the standard input is read (see WARNINGS); each line of the standard input is taken to be the name of an SCCS file to be processed.

Delta may issue prompts on the standard output depending upon certain keyletters specified and flags (see *admin*(1S)) that may be present in the SCCS file (see −m and −y keyletters below).

Keyletter arguments apply independently to each named file.

−r*SID*   Uniquely identifies which delta is to be made to the SCCS file. The use of this keyletter is necessary only if two or more outstanding *get*s for editing (*get* −e) on the same SCCS file were done by the same person (login name). The SID value specified with the −r keyletter can be either the SID specified on the *get* command line or the SID to be made as reported by the *get* command (see *get*). A diagnostic results if the specified SID is ambiguous, or, if necessary and omitted on the command line.

−s   Suppresses the issue, on the standard output, of the created delta's SID, as well as the number of lines inserted, deleted and unchanged in the SCCS file.

−n   Specifies retention of the edited *g-file* (normally removed at completion of delta processing).

−g*list*   Specifies a *list* (see *get*(1S) for the definition of <*list*>) of deltas which are to be *ignored* when the file is accessed at the change level (SID) created by this delta.

−m[*mrlist*]   If the SCCS file has the **v** flag set (see *admin*(1S)) then a Modification Request (MR) number *must* be supplied as the reason for creating the new delta.

If −m is not used and the standard input is a terminal, the prompt "MRs?" is issued on the standard output before the standard input is read; if the standard input is not a terminal, no prompt is issued. *The* "MRs?" *prompt always precedes the* "comments?" *prompt* (see −y keyletter).

MRs in a list are separated by blanks and/or tab characters. An unescaped new line character terminates the MR list.

Note that if the **v** flag has a value (see *admin*(1S)), it is taken to be the name of a program (or shell procedure) which will validate the correctness of the MR numbers. If a non-zero exit status is returned from MR number validation program, *delta* terminates (it is assumed that the MR numbers were not all valid).

—y[*comment*]   Arbitrary text used to describe the reason for making the delta. A null string is considered a valid *comment*.

If —y is not specified and the standard input is a terminal, the prompt "comments?" is issued on the standard output before the standard input is read; if the standard input is not a terminal, no prompt is issued. An unescaped new line character terminates the comment text.

—p   Causes *delta* to print (on the standard output) the SCCS file differences before and after the delta is applied in a *diff*(1S) format.

FILES

All files of the form *?-file* are explained in the *Source Code Control System User's Guide*. The naming convention for these files is also described there.

g-file   Existed before the execution of *delta;* removed after completion of *delta*.

p-file   Existed before the execution of *delta;* may exist after completion of *delta*.

q-file   Created during the execution of *delta;* removed after completion of *delta*.

x-file   Created during the execution of *delta;* renamed to SCCS file after completion of *delta*.

z-file   Created during the execution of *delta;* removed during the execution of *delta*.

d-file   Created during the execution of *delta;* removed after completion of *delta*.

/usr/bin/bdiff   Program to compute differences between the "gotten" file and the *g-file*.

WARNINGS

No lines beginning with an SOH ASCII character (binary 001) can be placed in the SCCS file unless it is escaped. The character has special meaning to SCCS (see *sccsfile*(5)) and will cause an error.

A *get* of many SCCS files, followed by a *delta* of those files, should be avoided when the *get* generates a large amount of data. Instead, multiple *get/delta* sequences should be used.

If the standard input (—) is specified on the *delta* command line, the —m (if necessary) and —y keyletters *must* also be present. Omission of these keyletters causes an error to occur.

SEE ALSO

get(1S), admin(1S), prs(1S), help(1S), sccsfile(5), bdiff(1)
Source Code Control System User's Guide by L. E. Bonanni and C. A. Salemi.

DIAGNOSTICS

Use *help*(1S) for explanations.