

## DELTA (I)

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### NAME

delta - make an SCCS delta

### SYNOPSIS

**delta** [-s] [-n] [-alist] [-yhistory] [-l] [-h]

### DESCRIPTION

*Delta* adds 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, as determined by their magic numbers (see *scsfile* (V)), and unreadable files are silently ignored. If a name of "-" is given, the standard input is read; each line of the standard input is taken to be the name of an SCCS file to be processed. Again, non-SCCS files, and unreadable files are silently ignored.

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.

The **a** argument specifies a list (see *get* for the definition of <list>) of heretofore unacknowledged deltas which are to be marked acknowledged. An unacknowledged delta should only be acknowledged when the problem that caused the creation of the unacknowledged (non-propagating) delta is fixed by another delta.

A comment about the purpose of the delta(s) is supplied (once, and only once) either from the standard input, or by using the **y** argument. If one supplies the comment through the standard input, and the standard input is a terminal (as determined by a successful *gty* (II) call), the program will prompt (on the standard output) with "history?". Otherwise, no prompt is printed. A newline preceded by a "\" is read as a blank, and may be used to make the entering of the history more convenient. The first newline not preceded by a "\" terminates the history response. The **y** argument is used to supply history on the command line; if it is given the "history?" question is not printed, and the standard input is not read.

The following description is written as though only one SCCS file were named; the process of making a delta is equivalent for each file. (Note that the effects of any keyletter arguments apply independently to each SCCS file, and that the same history comment is used for all files.)

*Delta* makes a delta by "getting" the named file (see *get*(I)) at the same release that was used when the *get* command was last executed with the **e** argument. The "gotten" file is then compared with the *g-file*; the differences between the two files constitute the delta. The new delta has a level number one greater than the original generation.

If the delta is made in a release which is lower than the highest numbered release that has deltas, then the delta is marked non-propagating (and unacknowledged). When the named file is "gotten" at any release higher than the one which contains the non-propagating delta, the non-propagating delta will *not* be applied. Also, until the delta is acknowledged (see below), *get*(I) will note it as being non-propagating.

When the comparison is finished, *delta* prints the release and level of the new delta, followed by the number of lines inserted, deleted, and unchanged. The **s** argument suppresses this printing. Normally, the *g-file* is removed after the delta is made. The **n** argument suppresses the removal.

*Delta* will ignore hangups if it is already ignoring interrupts.

The **l** and **h** arguments are reserved for SCCS support personnel (those who install and/or maintain SCCS) use only. They should not be used by anyone else.

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### FILES

g-file	see <i>get(I)</i> for explanation of <i>g-file</i>
p-file	Information from <i>get</i>
x-file	Replacement for the SCCS file. The naming convention is the same as that for the <i>p-file</i> (see <i>get</i> ).

### SEE ALSO

*get(I)*, *prt(I)*, *help(I)*, *scsfile(V)*  
*SCCS/PWB User's Manual, The Source Code Control System* (which should not be taken to literally).

### DIAGNOSTICS

Use *help(I)* for explanations.

### BUGS

The acknowledged/unacknowledged non-propagating delta mechanism is a kludge. One has to make a delta in order to acknowledge some other delta. The acknowledge "bit" is part of the delta, and is *not* a function of the release being accessed.