

NAME

`val` - validate SCCS file

SYNOPSIS

`val` -
`val` [-s] [-rSID] [-mname] [-ytype] file ...

DESCRIPTION

Val determines if the specified *file* is an SCCS file meeting the characteristics specified by the optional argument list. Arguments to *val* may appear in any order. The arguments consist of keyletter arguments, which begin with a -, and named files.

Val has a special argument, -, which causes reading of the standard input until an end-of-file condition is detected. Each line read is independently processed as if it were a command line argument list.

Val generates diagnostic messages on the standard output for each command line and file processed and also returns a single 8-bit code upon exit as described below.

The keyletter arguments are defined as follows. The effects of any keyletter argument apply independently to each named file on the command line.

- s The presence of this argument silences the diagnostic message normally generated on the standard output for any error that is detected while processing each named file on a given command line.
- rSID The argument value SID (SCCS IDentification String) is an SCCS delta number. A check is made to determine if the SID is ambiguous (e. g., r1 is ambiguous because it physically does not exist but implies 1.1, 1.2, etc. which may exist) or invalid (e. g., r1.0 or r1.1.0 are invalid because neither case can exist as a valid delta number). If the SID is valid and not ambiguous, a check is made to determine if it actually exists.
- mname The argument value *name* is compared with the SCCS %M% keyword in *file*.
- ytype The argument value *type* is compared with the SCCS %Y% keyword in *file*.

The 8-bit code returned by *val* is a disjunction of the possible errors, i. e., can be interpreted as a bit string where (moving from left to right) set bits are interpreted as follows:

- bit 0 = missing file argument;
- bit 1 = unknown or duplicate keyletter argument;
- bit 2 = corrupted SCCS file;
- bit 3 = can't open file or file not SCCS;
- bit 4 = SID is invalid or ambiguous;
- bit 5 = SID does not exist;
- bit 6 = %Y%, -y mismatch;
- bit 7 = %M%, -m mismatch;

Note that *val* can process two or more files on a given command line and in turn can process multiple command lines (when reading the standard input). In these cases an aggregate code is returned - a logical OR of the codes generated for each command line and file processed.

SEE ALSO

admin(1S), delta(1S), get(1S), prs(1S)

DIAGNOSTICS

Use *help*(1S) for explanations.

BUGS

Val can process up to 50 files on a single command line. Any number above 50 will produce a *core dump*.