Name

sconsign — print SCons .sconsign file information

Synopsis

`sconsign` [*`options`*...] *`file`* [`...`]

DESCRIPTION

The **sconsign** command displays the contents of one or more .sconsign files specified by the user.

By default, **sconsign** dumps the entire contents of the specified file(s). Each entry is printed in the following format:

file: signature timestamp length implicit_dependency_1: signature timestamp length implicit_dependency_2: signature timestamp length action_signature [action string]

None is printed in place of any missing timestamp, bsig, or csig values for any entry or any of its dependencies. If the entry has no implicit dependencies, or no build action, the lines are simply omitted.

By default, **sconsign** assumes that any *file* arguments that end with a .dbm suffix contains signature entries for more than one directory (that is, was specified by the **SConsignFile ()** function). Any *file* argument that does not end in .dbm is assumed to be a traditional .sconsign file containing the signature entries for a single directory. An explicit format may be specified using the `-f` or `--file=` options.

OPTIONS

Various options control what information is printed and the format:

-a, --act, --action
: Prints the build action information for all entries or the specified entries.

-c, --csig
: Prints the content signature (csig) information for all entries or the specified entries.

-d DIRECTORY, --dir=DIRECTORY
: When the signatures are being read from a .dbm file, or the `-f dbm` or `--format=dbm` options are used, prints information about only the signatures for entries in the specified *DIRECTORY*.

-e ENTRY, --entry=ENTRY
: Prints information about only the specified *ENTRY*. Multiple -e options may be used, in which case information about each *ENTRY* is printed in the order in which the options are specified on the command line.

-f FORMAT, --format=FORMAT
: The file(s) to be printed are in the specified *FORMAT*. Legal values are **dbm** (the DBM format used when the **SConsignFile**() function is used) or **sconsign** (the default format used for an individual .sconsign file in each directory).

-h, --help
: Prints a help message and exits.

-i, --implicit
: Prints the list of cached implicit dependencies for all entries or the the specified entries.

--raw
: Prints a pretty-printed representation of the raw Python dictionary that holds build information about individual entry (both the entry itself or its implicit dependencies). An entry's build action is still printed in its usual format.

-r, --readable
Prints timestamps in a human-readable string, enclosed in single quotes.

-t, --timestamp
Prints the timestamp information for all entries or the specified entries.

-v, --verbose
Prints labels identifying each field being printed.

ENVIRONMENT

SCONS_LIB_DIR
Specifies the directory that contains the SCons Python module directory (e.g. /home/aroach/scons-src-0.01/src/engine). on the command line.

SEE ALSO

scons, **scons** User Manual, **scons** Design Document, **scons** source code.

AUTHORS

Steven Knight <knight at baldmt dot com>