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## Name

sconsign — print SCons signature file information

## Synopsis

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

## DESCRIPTION

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

By default, **sconsign** dumps the entire contents of the specified file(s). Without the verbose option, 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, build signature ("bsig"), or content signature ("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. The verbose option expands the display into a more human readable format.

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 ends in .dblite is assumed to be a traditional .sconsign file containing the signature entries for a single directory. If neither of those is true, **sconsign** attempts to guess the format. If that does not work, an explicit format may be specified using the `-f` or `--format=` options.

If there are no *file* arguments, the name `.sconsign.dblite` is assumed.

## 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).

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**-h, --help**

Prints a help message and exits.

**-i, --implicit**

Prints the list of cached implicit dependencies for all entries or for the specified entries.

**--raw**

Prints a pretty-printed representation of the raw Python dictionary that holds build information about individual entries (both the entry itself and 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

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