

NAME

bomtool — a tool for generating SPDX-based software bills of material

SYNOPSIS

bomtool [*options*] *module* . . .

DESCRIPTION

bomtool is a program which generates a textual SPDX 2.0 software bill of materials (SBOM) for a given set of pkg-config modules. The output of this tool can then be translated into other SBOM formats as necessary.

The *options* are as follows:

--about

Print the version number, the Copyright notice, and the license of the **bomtool** program to standard output and exit. Most other options and all command line arguments are ignored.

--version

Print the version number of the **bomtool** program to standard output and exit. Most other options and all command line arguments are ignored.

ENVIRONMENT**PKG_CONFIG_DEBUG_SPEW**

If set, print debugging messages to stderr.

PKG_CONFIG_IGNORE_CONFLICTS

If set, ignore **Conflicts** rules in modules. Has the same effect as the **--ignore-conflicts** option in *pkgconf(1)*

PKG_CONFIG_LIBDIR

A colon-separated list of low-priority directories where *pc(5)* files are looked up. The module search path is constructed by appending this list to **PKG_CONFIG_PATH**, which enjoys higher priority. If **PKG_CONFIG_LIBDIR** is not defined, the default list compiled into the **bomtool** program from the **PKG_DEFAULT_PATH** preprocessor macro is appended instead. If **PKG_CONFIG_LIBDIR** is defined but empty, nothing is appended.

PKG_CONFIG_MAXIMUM_TRAVERSE_DEPTH

Impose a limit on the allowed depth in the dependency graph.

PKG_CONFIG_PATH

A colon-separated list of high-priority directories where *pc(5)* files are looked up.

PKG_CONFIG_PRELOADED_FILES

Colon-separated list of *pc(5)* files which are loaded before any other pkg-config files. These packages are given highest priority over any other *pc(5)* files that would otherwise provide a given package.

EXIT STATUS

The **bomtool** utility exits 0 on success, and >0 if an error occurs.

EXAMPLES

Generating an SBOM for the package named foo:

```
$ bomtool foo
SPDXVersion: SPDX-2.2
DataLicense: CC0-1.0
SPDXID: SPDXRef-DOCUMENT
DocumentName: SBOM-SPDX-fooC641.2.3
DocumentNamespace: https://spdx.org/spdxdocs/bomtool-2.4.3
Creator: Tool: bomtool 2.4.3
[...]
```

SEE ALSO

pc(5), *pkgconf*(1)