

Autoconf Notes

M4 Macros

Code Snippets

To include an M4 file, use the `sinclude` function, e.g.

```
sinclude(build/autoconf/myMacros.m4)
```

This will also work.

```
builtin(include, /some/custom/macro.m4)
```

Important Macros

Checking files

```
AC_CHECK_FILE
AC_CHECK_FILES
```

Checking libs

```
AC_CHECK_LIB
```

Checking for programs

```
AC_CHECK_PROG
```

Messages

```
AC_MSG_CHECKING
AC_MSG_NOTICE
AC_MSG_RESULT
AC_MSG_WARN
```

Command-line arguments

```
AC_ARG_ENABLE
AC_ARG_WITH
```

Preprocessor defines

```
AC_DEFINE
AC_DEFINE_UNQUOTED
```

Output variables to substitute

```
AC_SUBST
AC_SUBST_FILE
```

Links

[Autconf Manual on Single HTML Page](#)

http://www.gnu.org/software/autoconf/manual/autoconf-2.57/html_mono/autoconf.html

Current GNU Autoconf manual in PDF

<http://www.gnu.org/software/autoconf/manual/autoconf.pdf>

Autoconf macro archive

<http://autoconf-archive.cryp.to/macros-by-category.html>

Autobook

http://sourceware.org/autobook/autobook/autobook_toc.html

Checking for OpenGL (example)

http://autoconf-archive.cryp.to/ax_check_gl.html

Mozilla's configure.in

<http://lxr.mozilla.org/seamonkey/source/configure.in>

Guide to writing configure.in

http://www.adp-gmbh.ch/misc/tools/configure/configure_in.html

GNUlib's m4 macros

<http://savannah.gnu.org/cgi-bin/viewcvs/gnulib/gnulib/m4/>

Autoconf.info

[http://www.nada.kth.se/cgi-bin/info?\(autoconf.info\)Top](http://www.nada.kth.se/cgi-bin/info?(autoconf.info)Top)