NAME

wx-config − wxWidgets configuration search and query tool

SYNOPSIS

wx−config [OPTIONS ...] [LIB ...]

DESCRIPTION

wx−config returns information about the wxWidgets libraries available on your system. It may be used to retrieve the information you require to build applications using these libraries.

Changing the library options you wish to use for an application previously involved managing alternative configurations by a system dependent means. It is now possible to select from any of the configurations installed on your system via this single tool. You can view all available configurations installed in the system default prefix with the command *wx−config −−list* and select from them by using the feature options described below.

Optional LIB arguments (comma or space separated) may be used to specify individually the wxWidgets component libraries that you wish to use, or to specify additional components not usually included by default. The magic token **std** may be used to import all libraries that would be used by default if none were specified explicitly.
eg. *wx-config --libs std,gizmos*

OPTIONS

wx−config accepts the following options with no restrictions on their order as was required in previous releases:

Installed root

These options change or query the filesystem root for the operations listed below.

−−prefix[=PREFIX]
Without the optional argument, the current default prefix will be output. If the argument is supplied, PREFIX will be searched for matching configs in place of the default. You may use both forms in the same command.

−−exec−prefix[=EXEC-PREFIX]
Similar to −−prefix, but acts on the exec-prefix. If not specified will default to the value of prefix.

Query options

These options return information about the wxWidgets default version and installed alternatives.

−−list List all configs in prefix and show those that match any additional feature options given.

−−release Output the wxWidgets release number.

−−version−full Output the wxWidgets version number in all its glory.

−−basename Output the base name of the wxWidgets libraries.

−−selected-config
Output the signature of the selected wxWidgets library. This is a string of the form "port-unicode-version".

Feature options

These options select features which determine which wxWidgets configuration to use.

−−host=HOST Specify a (POSIX extended) regex of host aliases to match for cross compiled configurations. eg. −−host=i586-mingw32msvc, −−host=.* If unspecified, the default is to match only configurations native to the build machine.

−−toolkit=TOOLKIT
Specify a (POSIX extended) regex of the toolkits to match. The toolkit is responsible for the look and feel of the compiled application. eg. gtk, gtk2, motif, msw. If unspecified the default is to prefer the system default toolkit, but to match any toolkit in the absence of a stricter specification.

−−version[=VERSION]
Without the optional argument, return the wxWidgets version. If the argument is supplied it specifies a (POSIX extended) regex of the versions to match. If unspecified the default is to prefer the system default version, but to match any version in the absence of a stricter specification.

−−unicode[=yes|no]]
Specify the default character type for the application. If unspecified, the system default will be preferred, but any type may match in the absence of a stricter specification.

−−debug[=yes|no]]
Specify whether to create a debug or release build for the application. If unspecified, the system default (release) will be preferred, but any type may match in the absence of a stricter specification.

Debug versions are very useful for finding certain common ways of misusing the wxWidgets API, and you are encouraged to use them during active development of applications. They are not binary compatible with release versions, and packages built against wxWidgets debug builds should never be uploaded to Debian.

−−static[=yes|no]]
Specify whether to statically or dynamically link wxWidgets libraries into your application. If unspecified, the system default (dynamic) will be preferred, but any type may match in the absence of a stricter specification. Static linking is mainly useful still for cross ports not natively supported by Debian, and can be hazardous in conjunction with the GTK toolkits. Note that static libraries are no longer included in the wxGTK packages.

Compiler options

These options generate output required to build an application using a particular wxWidgets configuration.

−−libs Output link flags required for a *wxWidgets* application.

−−cppflags Output parameters required by the C preprocessor.

−−cflags Output parameters required by the C compiler.

−−cxxflags Output parameters required by the C++ compiler.

−−cc Output the name of the C compiler **$(CC)**.

−−cxx Output the name of the C++ compiler **$(CXX)**.

−−ld Output the linker command.

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