

**NAME**

ExtUtils::PkgConfig – simplistic interface to pkg-config

**SYNOPSIS**

```
use ExtUtils::PkgConfig;

$package = 'gtk+-2.0';

%pkg_info = ExtUtils::PkgConfig->find ($package);
print "modversion:  $pkg_info{modversion}\n";
print "cflags:      $pkg_info{cflags}\n";
print "libs:        $pkg_info{libs}\n";

$exists = ExtUtils::PkgConfig->exists ($package);

$modversion = ExtUtils::PkgConfig->modversion ($package);

$libs = ExtUtils::PkgConfig->libs ($package);

$cflags = ExtUtils::PkgConfig->cflags ($package);

$cflags_only_I = ExtUtils::PkgConfig->cflags_only_I ($package);

$cflags_only_other = ExtUtils::PkgConfig->cflags_only_other ($package);

$libs_only_L = ExtUtils::PkgConfig->libs_only_L ($package);

$libs_only_l = ExtUtils::PkgConfig->libs_only_l ($package);

$libs_only_other = ExtUtils::PkgConfig->libs_only_other ($package);

$static_libs = ExtUtils::PkgConfig->static_libs ($package);

$var_value = ExtUtils::PkgConfig->variable ($package, $var);

if (ExtUtils::PkgConfig->atleast_version ($package, $version)) {
    ...
}

if (ExtUtils::PkgConfig->exact_version ($package, $version)) {
    ...
}

if (ExtUtils::PkgConfig->max_version ($package, $version)) {
    ...
}
```

**DESCRIPTION**

The pkg-config program retrieves information about installed libraries, usually for the purposes of compiling against and linking to them.

ExtUtils::PkgConfig is a very simplistic interface to this utility, intended for use in the Makefile.PL of perl extensions which bind libraries that pkg-config knows. It is really just boilerplate code that you would've written yourself.

**USAGE**

`HASH = ExtUtils::PkgConfig->find (STRING, [STRING, ...])`

Call `pkg-config` on the library specified by *STRING* (you'll have to know what to use here). The returned *HASH* contains the *modversion*, *cflags*, and *libs* values under keys with those names. If multiple *STRINGS* are passed they are attempted in the order they are given till a working package is found.

If `pkg-config` fails to find a working *STRING*, this function croaks with a message intended to be helpful to whomever is attempting to compile your package.

For example:

```
*** can not find package bad1
*** check that it is properly installed and available
*** in PKG_CONFIG_PATH
```

or

```
*** can't find cflags for gtk+-2.0
*** is it properly installed and available in PKG_CONFIG_PATH?
```

`STRING = ExtUtils::PkgConfig->create_version_macros (PACKAGE, STEM)`

Create a set of version macros with the prefix *STEM* for the library specified by *PACKAGE*. The result is returned.

Example input would be “*gtk+-2.0*” for *PACKAGE* and “*GTK*” for *STEM*.

`ExtUtils::PkgConfig->write_version_macros (FILE, PACKAGE, STEM, [PACKAGE, STEM, ...])`

Create one or more sets of version macros for the libraries and prefixes specified by the *PACKAGE* and *STEM* pairs and write them to the file *FILE*. If it doesn't exist, *FILE* will be created. If it does exist, it will be overwritten.

**SEE ALSO**

`ExtUtils::PkgConfig` was designed to work with `ExtUtils::Depends` for compiling the various modules of the `gtk2-perl` project.

`L<ExtUtils::Depends>`

`L<http://gtk2-perl.sourceforge.net/>`

This module is really just an interface to the `pkg-config` utility program.  
<http://www.freedesktop.org/Software/pkgconfig>

**AUTHORS**

muppet <[scott at asofyet dot org](mailto:scott@asofyet.org)>.

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