NAME

python−config − output build options for python C/C++ extensions or embedding

SYNOPSIS

python−config [**−−prefix**] [**−−exec−prefix**] [**−−includes**] [**−−libs**] [**−−cflags**] [**−−ldflags**] [**−−extension−suffix**] [**−−configdir**] [**−−help**]

DESCRIPTION

python−config helps compiling and linking programs, which embed the Python interpreter, or extension modules that can be loaded dynamically (at run time) into the interpreter.

OPTIONS

−−cflags
print the C compiler flags.

−−ldflags
print the flags that should be passed to the linker.

−−includes
similar to *−−cflags* but only with −I options (path to python header files).

−−libs similar to *−−ldflags* but only with −l options (used libraries).

−−prefix
prints the prefix (base directory) under which python can be found.

−−exec−prefix
print the prefix used for executable program directories (such as bin, sbin, etc).

−−extension−suffix
print suffix used for extension modules (including the _d modified for debug builds).

−−configdir
prints the path to the configuration directory under which the Makefile, etc. can be found).

−−help print the usage message.

EXAMPLES

To build the singe−file c program *prog* against the python library, use

```
gcc $(python−config −−cflags −−ldflags) progr.cpp −o progr.cpp
```

The same in a makefile:

```
CFLAGS+=$(shell python−config −−cflags)
LDFLAGS+=$(shell python−config −−ldflags)
all: progr
```

To build a dynamically loadable python module, use

```
gcc $(python−config −−cflags −−ldflags) −shared −fPIC progr.cpp −o progr.so
```

SEE ALSO

python (1)
http://docs.python.org/extending/extending.html
/usr/share/doc/python/faq/extending.html

AUTHORS

This manual page was written by Johann Felix Soden <johfel@gmx.de> for the Debian project (and may be used by others).