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## ***Rocky Enterprise Linux 9.2 Manual Pages on command 'x86\_64-linux-gnu-python3.10-config.1'***

***\$ man x86\_64-linux-gnu-python3.10-config.1***

PYTHON-CONFIG(1)                      General Commands Manual                      PYTHON-CONFIG(1)

### 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 ] [ --abiflags ] [ --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

**--abiflags**

print the the ABI flags as specified by PEP 3149.

**--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 the extension suffix used for binary extensions.

`--help` print the usage message.

## EXAMPLES

To build the single-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

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(and may be used by others).

November 27, 2011

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