**Install zlib library in Ubuntu**

Option 1, Install by source code (recommending )

#### installing zlib through source code

#### Downloading zlib:

Run the command below, (January 15, 2017)

wget http://www.zlib.net/zlib-1.2.11.tar.gz

#### Extracting files from the downloaded package:

tar -xvzf zlib-1.2.11.tar.gz

Now, enter the directory where the package is extracted.

cd zlib-1.2.11

#### Configuring zlib Library:

./configure --prefix=/usr/local/zlib

**Compiling zlib:**

make

**Installing zlib:**

sudo make install

Header file Include path is : /usr/local/zlib/include  
Lib path is : /usr/local/zlib/lib/libz.a

**Edit wscript:**

|  |
| --- |
|  |
|  | bld.env.append\_value('LIBPATH', ['/usr/local/zlib/lib']) |
|  | bld.env.append\_value("LIB", ["z"]) |

**Done !**

Option 2 Fast install by apt-get

Installing zlib by apt-get

sudo apt-get install zlib1g-dev

Ask the package management what files the zlib1g-dev package contains

dpkg -L zlib1g-dev

/.

/usr

/usr/include

/usr/include/zconf.h

/usr/include/zlib.h

/usr/lib

/usr/lib/x86\_64-linux-gnu

/usr/lib/x86\_64-linux-gnu/libz.a

/usr/lib/x86\_64-linux-gnu/pkgconfig

/usr/lib/x86\_64-linux-gnu/pkgconfig/zlib.pc

/usr/share

/usr/share/doc

/usr/share/doc/zlib1g-dev

/usr/share/doc/zlib1g-dev/FAQ.gz

/usr/share/doc/zlib1g-dev/README.gz

/usr/share/doc/zlib1g-dev/algorithm.txt.gz

/usr/share/doc/zlib1g-dev/copyright

/usr/share/doc/zlib1g-dev/examples

/usr/share/doc/zlib1g-dev/examples/README.examples

/usr/share/doc/zlib1g-dev/examples/enough.c.gz

/usr/share/doc/zlib1g-dev/examples/example.c.gz

/usr/share/doc/zlib1g-dev/examples/fitblk.c.gz

/usr/share/doc/zlib1g-dev/examples/gun.c.gz

/usr/share/doc/zlib1g-dev/examples/gzappend.c.gz

/usr/share/doc/zlib1g-dev/examples/gzjoin.c.gz

/usr/share/doc/zlib1g-dev/examples/gzlog.c.gz

/usr/share/doc/zlib1g-dev/examples/gzlog.h.gz

/usr/share/doc/zlib1g-dev/examples/infcover.c.gz

/usr/share/doc/zlib1g-dev/examples/minigzip.c.gz

/usr/share/doc/zlib1g-dev/examples/zlib\_how.html

/usr/share/doc/zlib1g-dev/examples/zpipe.c.gz

/usr/share/doc/zlib1g-dev/examples/zran.c.gz

/usr/share/doc/zlib1g-dev/txtvsbin.txt.gz

/usr/share/man

/usr/share/man/man3

/usr/share/man/man3/zlib.3.gz

/usr/lib/x86\_64-linux-gnu/libz.so

/usr/share/doc/zlib1g-dev/changelog.Debian.gz

Header file Include path is : /usr/include/  
Lib path is : /usr/lib/x86\_64-linux-gnu/libz.a  
  
  
**source:**<http://www.zlib.net/>

<https://askubuntu.com/questions/508934/how-to-install-libpng-and-zlib>

<https://geeksww.com/tutorials/libraries/zlib/installation/installing_zlib_on_ubuntu_linux.php>