

*****Draft*****
ZeroMQ
04/11/20
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ZeroMQ requires libsodium

NaCl (pronounced "salt") is an abbreviation for "Networking and Cryptography library", a public domain "...high-speed software library for network communication, encryption, decryption, signatures, etc".[2]

NaCl was created by the mathematician and programmer Daniel J. Bernstein who is best known for the creation of gmail and Curve25519.

Compile, link, and installed libsodium.

```
wget https://github.com/jedisct1/libsodium/releases/download/1.0.3/libsodium-1.0.3.tar.gz
tar -zxvf libsodium-1.0.3.tar.gz
cd libsodium-1.0.3/
./configure
make
sudo make install
```

Compile, link, and installed libzmq

```
wget https://github.com/zeromq/libzmq/releases/download/v4.3.2/zeromq-4.3.2.tar.gz
tar -zxvf zeromq-4.3.2.tar.gz
cd zeromq-4.3.2/
./configure
make
sudo make install
sudo ldconfig
```

Hellowserver

```
File Edit View Terminal Tabs Help
devel@mypi3-15:~/zeromq $ ./helloserver
Received Hello
Received Hello
Received Hello
Received Hello
Received Hello
Received Hello
Received Hello
Received Hello
Received Hello
Received Hello
Received Hello
```

client

```
File Edit View Terminal Tabs Help
devel@mypi3-15:~/zeromq $ ./client
Connecting to hello world server...
Sending Hello 0...
Received World 0
Sending Hello 1...
Received World 1
Sending Hello 2...
Received World 2
Sending Hello 3...
Received World 3
Sending Hello 4...
Received World 4
Sending Hello 5...
Received World 5
Sending Hello 6...
Received World 6
Sending Hello 7...
Received World 7
Sending Hello 8...
Received World 8
Sending Hello 9...
Received World 9
devel@mypi3-15:~/zeromq $
```