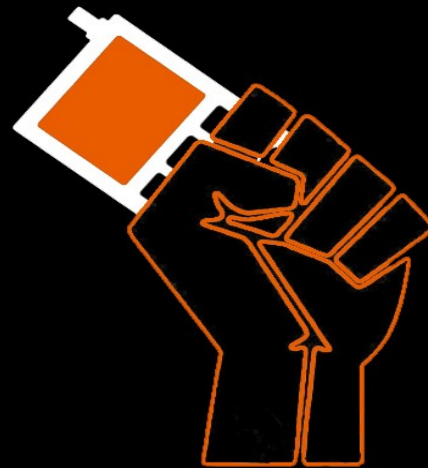


# Rhizomatica

OpenBSC download/installation



# Installation prerequisites

```
apt-get install libdbi0-dev libdbd-  
sqlite3 build-essential libtool  
autoconf automake git-core pkg-  
config libortp-dev
```

# Set working directory

```
cd /usr/local/src
```

```
mkdir gsm
```

```
cd gsm
```

# Download software

```
git clone git://git.osmocom.org/libosmocore.git
```

```
git clone git://git.osmocom.org/libosmo-abis.git
```

```
git clone git://git.osmocom.org/openbsc.git
```

```
git clone git://git.osmocom.org/osmo-bts.git
```

```
git clone git://git.osmocom.org/osmo-trx.git
```

```
git clone https://github.com/fairwaves/UHD-Fairwaves.git
```

# Build libosmocore

```
cd /usr/local/src/gsm/libosmocore  
autoreconf -fi  
./configure  
make  
sudo make install  
sudo ldconfig
```

# Build libosmo-abis

```
cd /usr/local/src/gsm/libosmo-abis  
autoreconf -fi  
./configure  
make  
sudo make install  
sudo ldconfig
```

# Build OpenBSC

```
cd /usr/local/src/gsm/openbsc
git checkout jolly/testing
cd openbsc
autoreconf -i
export PKG_CONFIG_PATH=/usr/local/lib/pkgconfig
./configure
make
sudo make install
```

# Build UHD-Fairwaves

**Debian:** sudo apt-get install libboost-all-dev  
libusb-1.0-0-dev python-cheetah doxygen  
python-docutils cmake

**Fedora/Redhat:** sudo yum -y install boost-  
devel libusb1-devel python-cheetah doxygen  
python-docutils cmake

```
cd /usr/local/src/gsm/UHD-Fairwaves/host  
cmake .  
make  
sudo make install
```



# Build osmo-bts

```
cd /usr/local/src/gsm/osmo-bts  
git checkout jolly/trx  
autoreconf -i  
./configure --enable-trx  
make  
sudo make install
```

# Build osmo-trx

```
cd /usr/local/src/gsm/osmo-trx  
./autogen.sh  
./configure  
make  
sudo make install
```

# Default installation directory

- Binaries /usr/local/bin
  - /usr/local/bin/osmobts-trx
  - /usr/local/bin/osmo-nitb
  - /usr/local/bin/osmo-trx
- Configurations /usr/local/etc/openbsc