

HOWTO: Compile OSCAM on Raspberry Pi, Dockstar or similar NAS running Debian

1. linux-satellite-support-forum.blogspot
2. Preparations:

Update apt-list and install required packages:

Code:

```
apt-get update
apt-get -y install apt-utils dialog usbutils
apt-get -y install gcc g++ wget
apt-get -y install build-essential subversion libpcsclite1 libpcsclite-dev
apt-get -y install libssl-dev cmake make
apt-get -y install libusb-1.0-0-dev nano
```

If you need PCSC support:

Code:

```
apt-get install pcscd pcsc-tools
```

2. Get OSCAM source

Now switch to /usr/src, create a directory for oscam and download sources:

Code:

```
cd /usr/src
svn co http://www.oscam.to/svn/oscam/trunk oscam-svn
```

3. Compile OSCAM

Now compile oscam for your machine:

Code:

```
cd oscam-svn
mkdir build
chmod 755 build
cd build
cmake -DWEBIF=1 .. (those 2 dots are required. THIS IS IMPORTANT)
make
```

NOTE: If you get Errors while compiling e.g.

Code:

```
-- no libusb 1.0 found. No smartreader support
```

See the hint at the bottom before proceeding

Now we got our oscam binary

We're gonna move it to /var/local

Code:

```
cd /usr/src/oscam-svn/build
ls
```

there should be a file called "oscam"

So lets copy it:

Code:

```
cp oscam /var/local/
cd /var/local
chmod 755 oscam
```

4. Make OSCAM start at system startup:

We're adding oscam to rc.local to make it start at system boot.

Code:

```
nano /etc/rc.local
```

Now add

Code:

```
/var/local/oscam &
```

right above line

Code:

```
exit 0
```

Oscam will start everytime the system boots up from now on

5. configs and logfiles

We still need to get some config files.

By default oscam looks in /usr/local/etc for these file

Code:

```
cd /usr/local/etc  
ls
```

There should be at least 3 files: oscam.user, oscam.server, oscam.conf

If not, copy your configs here

Now we need to create some logfiles and make them writable:

Code:

```
cd /var/local
mkdir oscam
chmod 755 oscam
cd oscam
mkdir cw
chmod 755 cw
nano oscamuser.log (enter a space and save file)
nano oscam.log (enter a space and save file)
chmod 755 oscamuser.log
chmod 755 oscam.log
```

6. Start oscam

You can now run oscam to check if it works

Code:

```
cd /var/local
./oscam
```

HINT: Oscam compile error: No smartreader support:
If you get Errors while compiling e.g.

Code:

```
-- no libusb 1.0 found. No smartreader support
```

go to /usr/src, get libusb 1.0.6 from sourceforge and compile for your system:

Code:

```
cd /usr/src/
mkdir libusb
chmod 755 libusb
cd libusb
wget http://downloads.sourceforge.net/project/libusb/libusb-1.0/libusb-1.0.6/libusb-1.0.6.tar.bz2
tar xjf libusb-1.0.6.tar.bz2
make
```

install

After make install of libusb, start over with compiling oscam

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