

# GostCrypt Compilation

How to compile GostCrypt on Kubuntu 14.04

## Librairies needed

You need to download some librairies to make the compilation possible.

```
sudo apt-get install libfuse-dev libwxgtk2.8-dev pkg-config
```

Once the librairies downloaded, you need to download the sources.

## Sources

Go to the [gostcrypt.org](http://gostcrypt.org) website and download the sources you need.

Choose the directory you want to extract the sources.

## PKCS11

You also need to have the pkcs11 headers on your computer and to link the absolute location.

```
mkdir Pkcs11 && cd Pkcs11
wget ftp://ftp.rsasecurity.com/pub/pkcs/pkcs-11/v2-20/pkcs11.h
wget ftp://ftp.rsasecurity.com/pub/pkcs/pkcs-11/v2-20/pkcs11t.h
wget ftp://ftp.rsasecurity.com/pub/pkcs/pkcs-11/v2-20/pkcs11f.h
```

## Source modification

You need to modify a bit the makefile to add a flag. Open the Makefile with your favorite editor and add `-ldl` at the end of the LIBS line.

```
export LIBS="$(BASE_DIR)/$$DIR/$$PROJ.a $$LIBS -ldl"; \
```

Save and quit.

## Compilation

You can now launch the compilation of GostCrypt.

```
cd GostCrypt_Linux_1.0/
make PKCS11_INC=/absolute/path/to/the/folder -j4
```

The result will be in the Main folder.