

amule

aMule stands for all platforme mule

aMule is an eMule-like client for the eD2k and Kademia networks, supporting multiple platforms.

More infos <http://wiki.amule.org/index.php/AMule>.

this guide was (almost entirely) inspired by http://wiki.amule.org/index.php/HowTo_compile_on_Solaris.

Installing dependencies

First we need a build environnement:

```
# pkg install developer/gcc-3@3.4.3-0.151.1.2 developer/gnu developer/gnu-binutils developer/gnome/gettext
```

wxGTK:

Get the latest wxGTK package from <http://www.wxwidgets.org> and compile it:

```
$ wget http://prdownloads.sourceforge.net/wxwindows/wxGTK-2.8.12.tar.gz
```

```
$ tar xf wxGTK-2.8.12.tar.gz && cd wxGTK-2.8.12/
```

```
$ ./configure --enable-unicode --with-gtk=2 && make
```

```
$ sudo make install
```

cryptopp:

Get the cryptopp library 5.5.2 from <http://www.cryptopp.com/>. Do not use cryptopp 5.6.0, it will make aMule segfault when compiled (no idea why)

```
$ mkdir cryptopp && cd cryptopp && wget http://www.cryptopp.com/cryptopp552.zip
```

```
$ unzip cryptopp552.zip
```

```
$ make
```

```
$ sudo cp libcryptopp.a /usr/local/lib
```

```
$ sudo mkdir /usr/local/include/cryptopp && sudo cp *.h to /usr/local/include/cryptopp
```

GeolIP:

```
$ wget http://www.maxmind.com/download/geoip/api/c/GeoIP.tar.gz
```

```
$ tar xf GeoIP.tar.gz && cd GeoIP/
```

```
$ ./configure && make
```

```
$ sudo make install
```

gd:

```
$ wget https://bitbucket.org/pierrejoye/gd-libgd/get/GD_2_0_33.tar.gz
```

```
$ tar xf GD_2_0_33.tar.gz && cd pierrejoye-gd-libgd-5551f61978e3/src
```

```
$ ./configure && make
```

```
$ sudo make install
```

libUPnP:

The latest libUPnP source code from <http://pupnp.sourceforge.net/> (libupnp-1.6.16 at time of writing) did not work for me, I used libupnp-1.6.6 instead, maybe other(s) realease(s) should work, I didn't try.

Hint 1: this configure line worked for me: `./configure CFLAGS="-DSPARC_SOLARIS" --disable-samples`

Hint 2: I needed to add this at the beginning of the file `upnp/src/api/upnpapi.c`, along with the other `#include` lines:

```
#include <sys/sockio.h>
```

```
...make && sudo make install
```

and finally:

set some env variables:

```
CFLAGS="-std=gnu99"
```

```
PATH=/usr/local/bin:/usr/gnu/bin:/opt/csw/bin:/usr/sfw/bin:/usr/bin:/usr/sbin
CPPFLAGS='-I/usr/local/include -I/opt/gnu/include -I/opt/csw/include -I/usr/sfw/include -I/usr/include'
LDLDFLAGS='-L/usr/local/lib -R/usr/local/lib -L/opt/csw/lib -R/opt/csw/lib -L/usr/sfw/lib -R/usr/sfw/lib -L/usr/gnu/lib -R/usr/gnu/lib'
LD_LIBRARY_PATH=/usr/local/lib:/usr/gnu/lib:/opt/csw/lib:/usr/sfw/lib:/usr/lib
export PATH CFLAGS CPPFLAGS LDLDFLAGS LD_LIBRARY_PATH
```

download amule at <http://www.amule.org/files/download.php?file=192>

```
$ tar xf aMule-2.3.1.tar.bz2 && cd aMule-2.3.1/
```

```
$ ./configure --enable-webserver --enable-amule-daemon --enable-amulecmd --enable-amule-gui --enable-cas --enable-wxcas --enable-alc --enable-alc --with-wx-config=/usr/local/bin/wx-config --with-gdlib-config=/usr/local/bin/gdlib-config --with-libupnp-prefix=/usr/local --enable-geoip --with-geoip-lib=/usr/local/lib --with-geoip-headers=/usr/local/include --disable-embedded-crypto --with-crypto-prefix=/usr/local/ --enable-optimize --disable-debug
```

```
$ make
```

and if lucky: `sudo make install`