

FancyQMI Library & Tool

Overview

fancyqmi is a wrapper library for the libqmi-glib modem control library, which can be found under <http://www.freedesktop.org/wiki/Software/libqmi/>

Location of Packages

SVN: <svn+ssh://fancylibs@svn.clazzes.org/fancylibs/trunk/fancyqmi>

repositories:

- <http://deb.clazzes.org/debian/sources.list.d/wheezy/wheezy-fancylibs-3.list>
- <http://deb.clazzes.org/debian/sources.list.d/jessie/jessie-fancylibs-3.list>

Installation

Tool

This package is standalone program to watch a modem

Installing the fancyqmi tool

```
apt-get install fancyqmi-tool
```

Library only

If you only need the library, install the following packages:

Install fancyqmi shared library components

```
apt-get install libfancyqmi1 libfancyqmi1-dev
```

Debug symbols

All packages have a counterpart containing debug symbols for gdb:

Install fancyqmi debug symbols

```
fancyqmi-tool-dbg libfancyqmi1-dbg
```

Using the command line tool

Watch the modem

The fancyqmi-tool client lets you watch the signal and system info using the following commands:

```
fancyqmi-tool watch /dev/cdc-wdm0

fancyqmi-tool -ffancyqmi watch /dev/cdc-wdm0
fancyqmi-tool -ffancyqmi watch --poll /dev/cdc-wdm0
```

These examples watch the modem until the process is interrupted by a signal (Ctrl-C or kill).

The `-ffancyqmi` option increases the log level, `--poll` activates polling instead of listening to unsolicited callback from libqmi-glib.

Cleanup ClientIDs

If client IDs are not released using `QmiDmsClient::release()` resp. `QmiNasClient::release()` and the like, the error "ClientIdsExhausted" can occur and even survive cold reboots.

As documented in the ac. mailinglist under the subject [SYNC indications](#), performing an arbitrary `qmcli` command with `--device-open-sync` can solve this:

```
qmcli -d /dev/cdc-wdm0 --wds-get-packet-service-status --device-open-sync
```