

QRail

QRail is a Qt library to access linkedconnections.org data resources in an easy way.

Features

- Connection Scan Algorithm based route planner
- Liveboard, get all the departing or arriving trains in a station
- Station database with search functionality (by ID, location, ...)
- Modular approach
- CI builds and tests

Build status

Develop branch (bleeding edge)



Figure 1: develop

All the latest features are available from the **develop** branch. This branch might be unstable, never use it in production!

Master branch (stable)



Figure 2: master

Stable features are released from the **develop** to the **master** branch. This branch aims to be stable at all times. If you want to use QRail in production, please checkout the release tags!

Build instructions

In order to run QRail you need to have a Sailfish OS device or use the Sailfish Emulator from the Sailfish IDE. You can find the Sailfish IDE on https://sailfishos.org/wiki/Application_Development You must have set up a device (with developer mode enabled) if you want to deploy it to a physical Sailfish OS device.

1. Open **qrail.pro** in the Sailfish IDE
2. Check if the kit (**SailfishOS-3.0.2.8-armv7hl** for the Sony Xperia X), build mode (**debug** is fine) and that the deployment device (**Xperia X** (ARM) for the Sony Xperia X) are correct.

3. Click on the hammer button to build QRail.
4. Open `tests/qrail-tests.pro` in the Sailfish IDE
5. Click on the run (green arrow) button to run the tests.

These instructions can also be executed from the command line:

For the QRail library:

1. `qmake CONFIG+=debug`
2. `make -j4`

For the tests:

1. `cd tests`
2. `qmake CONFIG+=debug`
3. `make -j4`

The tests are depending on the <https://lc.dylanvanassche.be> as Linked Connections Server. They are automatically executed on the Travis CI build infrastructure with every Git commit.