Setting up Qt Mobility

The Qt Mobility Project is a project within Nokia that is creating a new suite of Qt APIs for mobile device functionality. These APIs will enable cross-platform mobile application development.

Note: From Qt 5, Qt Mobility APIs are a core part of the platform

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Using Nokia Qt SDK

Qt Mobility comes with the Nokia Qt SDK. After you have installed the Nokia Qt SDK, if you have a Symbian device, you can install Qt and Qt Mobility libraries on your device from:

Windows start menu > **Nokia Qt SDK beta** > **Symbian** > **Install Qt libraries/QtMobility to Symbian Device**

Using Qt Mobility archive on Symbian

Download the archive package and extract it to your development environment.

The **qtmobility.sis** package must be installed on your Symbian device and the library archive **qt-mobility-1.0.0-epoc32-5.0.zip** must be extracted into your **epoc32** development environment folder. Read more in the **INSTALL.symbian** file.

Using Qt Mobility Maemo repositories

Qt Mobility 1.0 and Qt 4.6.2 come from the device's (built-in) repositories. Note that the Nokia N900 must have the latest 'PR1.2' firmware (V 10.2010.19-1) that is available as an OTA update or by using the Nokia Software Updater. The Maemo 5 SDK also includes these Qt and Qt Mobility versions for development.

Install Qt Mobility packages into Scratchbox:

```
fakeroot apt-get install libqtm-dev
```

Install Qt Mobility packages on the device:

```
// Enable rootsh that enables you as root, see "rootsh" from Application Manager
// and Maemo Extras repository
sudo gainroot

// Install all
apt-get install libqtm-*

// or what you want
apt-get install libqtm-multimedia
apt-get install libqtm-bearer
apt-get install libqtm-verisit
apt-get install libqtm-publishsubscribe
apt-get install libqtm-serviceframework
apt-get install libqtm-location
apt-get install libqtm-messaging
apt-get install libqtm-contacts
apt-get install libqtm-sensors
apt-get install libqtm-messaging
apt-get install libqtm-systeminfo
```

Developers who want to try Mobility examples can add the following catalogue to their devices:

```
Catalog name: Tools
Address: http://repository.maemo.org
Distribution: fremantle/tools
Components: free non-free
```

and then install the package with

```
apt-get install qt-mobility-examples.
```

Developers don't need to add the **Tools** repository to Scratchbox.

NOTE: Old experimental Mobility packages have been removed from **extras-devel**.

See also

- New Qt APIs

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- Qt Mobility Blogs
- Qt Mobility 1.0 documentation
- Maemo 5 SDK

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