

Tizen and Qt together can do more

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The background is a light gray with a subtle paper texture. It features several decorative elements: a large white circle with a drop shadow, a smaller white circle above it, and a blue and white striped circle to the right. In the top right corner, there is a stylized city skyline with a prominent tower. Scattered throughout the background are small, colorful confetti pieces in shades of blue, green, and dark blue.

Why Qt and Tizen?

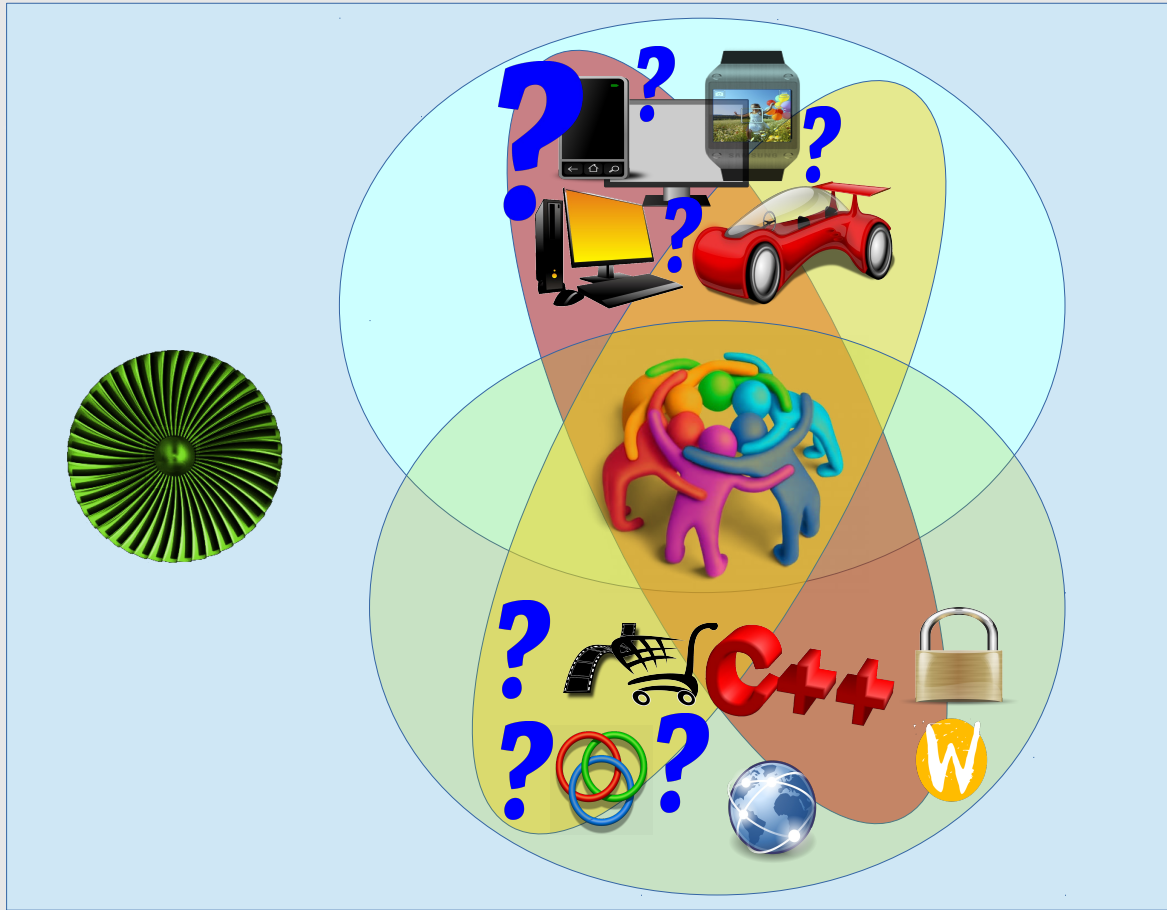
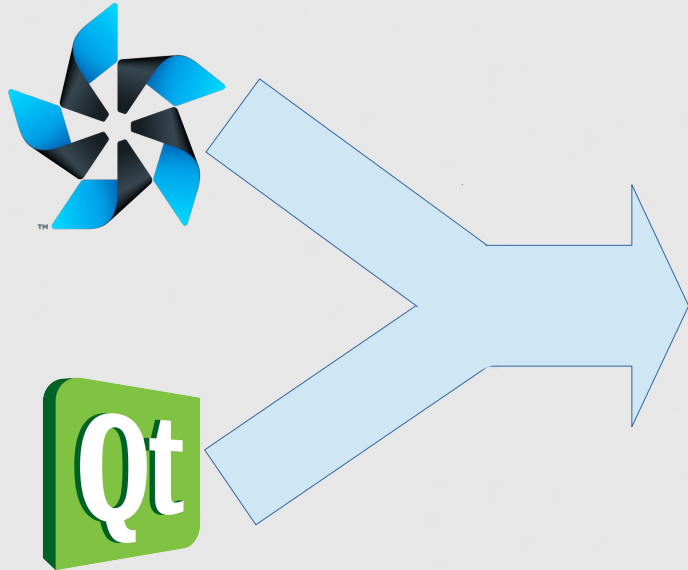
Why Tizen?



Why Qt?



Freedom of choice



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Overview of Qt (FAQ)

Recent Qt history

Year	Description
2008	Nokia bought Qt
2009	Qt became free to use for open source and commercial projects (LGPL 2.0 license)
2011	Qt Project under open governance started
2012	Digia bought Qt trademark from Nokia, thus Nokia lost any rights to Qt
December 2012	Long awaited Qt 5.0 released
September 2014	The Qt Company founded (LGPL 3.0)

Supported platforms

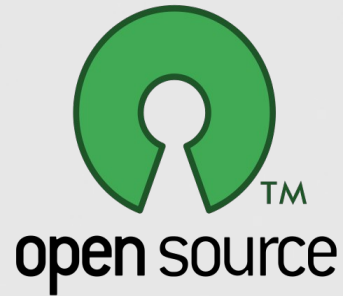


Community ports



Licensing Model

- LGPL 2.1
- LGPL 3.0
- Indie Mobile
- Professional
- Enterprise



Qt modules/technologies

- **QtCore** - Core non-graphical classes used by other modules.
- **QtTest** - Classes for unit testing Qt applications and libraries..
- **QtSql** - Classes for database integration using SQL.
- **QtQML** - The Qt QML module provides a framework for developing applications and libraries with the QML language.
- **QtWebkit/QtWebEngine** - Classes for a WebKit2/blink based implementation and a new QML API.
- **QtGui** - Base classes for graphical user interface (GUI) components. Includes OpenGL.
- **QtNetwork** - Classes to make network programming easier and more portable.
- **QtWidgets** - Classes to extend Qt GUI with C++ widgets.
- **QtQuick** - A declarative framework for building highly dynamic applications with custom user interfaces.
- **QtMultimedia** - Classes for audio, video, radio and camera functionality.



Qt Creator

Qt modules/technologies

Addons:

- **Qt D-Bus**
- **Qt Positioning** – maps and geolocation integration
- **Qt Sensors**
- **Qt Concurrent**
- **Qt Bluetooth**
- **Qt NFC**
- **Qt WebSockets**
- **Qt Graphical Effects** – OpenGL shader based components for use with Qt Quick
- **Qt Image Formats** - plugins for additional image formats: TIFF, MNG, TGA, WBMP.
- **Qt Print Support**
- **Qt SVG**
- **Qt Serial Port**
- **Qt Xml Patterns** - support for XPath, XQuery, XSLT.
- **Enginio** - a Backend-as-a-Service solution to ease the backend development for connected and data-driven applications.

Qt for Tizen



What is Qt for Tizen?

The Qt for Tizen project was founded in May 2013. Initiative is addressed to developers and by developers. It exists under Qt Project umbrella.

The main goal is to enable Qt for 3rd parties, developers and project founders involved in Tizen by:

- Support Tizen Community (blog, G+, twitter, facebook, irc)
- Deliver Qt binaries
- Deliver Qt integration
- Deliver Qt Creator based SDK

Achievements

Qt ported to Tizen Mobile RD-210 and RD-PQ device and emulator



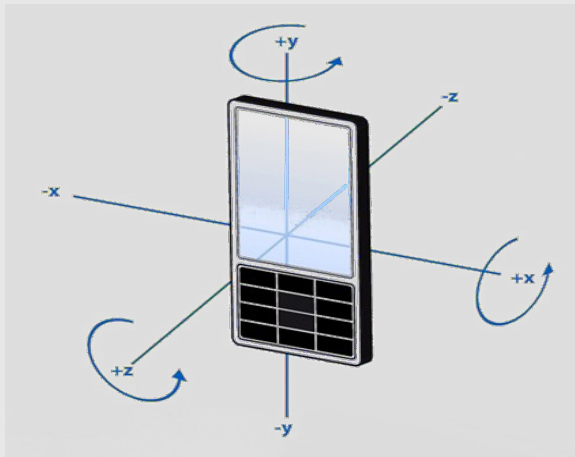
Achievements

Qt Quick Controls Tizen Mobile style



Achievements

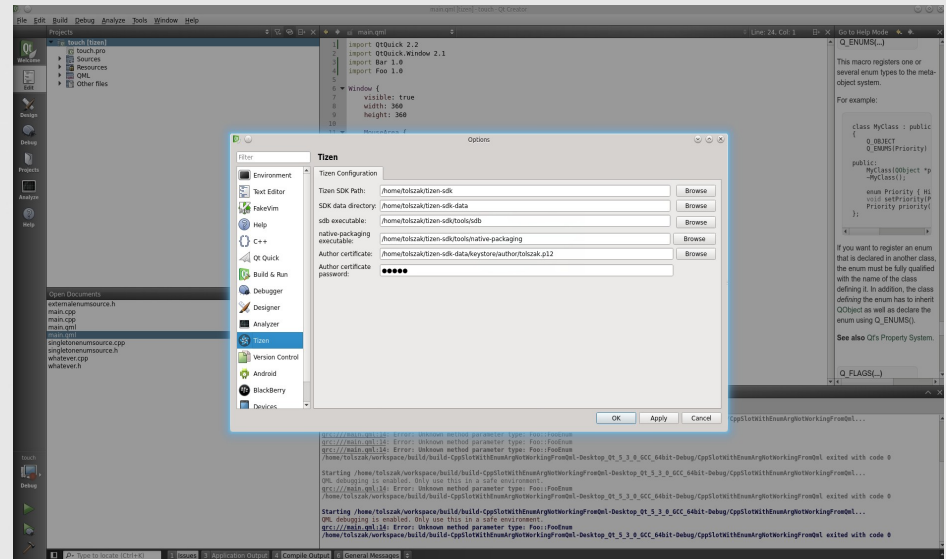
Qt for Tizen enabled
submission of many
applications to Tizen App
Challenge



Integration with Tizen Mobile sensors

Achievements

Qt Creator integration with Tizen Mobile, IVI and Common



12 Qt repositories available for all
public Tizen 3.0 profiles and mobile
2.2.1

Future challenges

- Full Qt Creator integration including remote debugging
- Integration with future Tizen's security enhancements
- Compliance with Tizen Store policy
- Qt Quick Automotive Message Broker plugins
- Qt Web Engine
- Qt Wayland Compositor API
- Further integration: maps, nfc, bluetooth...
- You choose!

Q&A





Thank You

References

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