



Digia launches Qt 5 cross-platform application development and UI framework

Qt 5 delivers enhanced performance, highly-intensified graphical animations and effects plus efficiency and ease of use to create highly portable applications

December 19, 2012 — [Digia](#) has announced the launch of Qt 5.0, a major new version of the popular cross-platform application and user interface development framework for desktop, embedded and mobile applications. Qt 5 delivers a step function increase in performance, functionality and ease of use and will be the platform on which full Android and iOS support will be delivered during the coming year.

Digia has [stated its intention](#) to make Qt the world's leading cross-platform development framework. Qt 5 is the next step on this journey to deliver the best user experience, both for application developers and the users of the products that they create. Qt 5 simplifies developers' lives by enabling them to produce applications faster with intuitive user interfaces for multiple targets. It also makes it easier to address the paradigm shifts that touchscreens and tablets require.

Key benefits of Qt 5 include: graphics quality; performance on constrained hardware; cross-platform portability; support for C++11; HTML5 support with QtWebKit 2; a vastly improved QML engine with new APIs; ease of use and compatibility with Qt 4 versions.

Qt's ability to deliver impressive graphics has been enhanced with the use of OpenGL ES (the version of the graphics application programming interface designed specifically for embedded systems and mobile devices). This makes it easier to develop and deploy rich graphics with velvet-like animations and transitions as well as smoothly-rendered 2D and 3D animations on high-end architectures as well as on devices with relatively limited performance, such as mobile phones, tablets and low-cost development platforms including Raspberry Pi.

Cross-platform portability is made even simpler in Qt 5 due to a new modularized code base, consisting of essentials and add-on modules, which enable the system code size to be reduced. The consolidation of the Qt Platform Abstraction layer also emphasizes cross-platform portability by enabling the ease of development for multiple-target deployment, bringing freedom to the developer.

Qt supports all major desktop operating systems, including Windows, Mac OS X and Linux, embedded operating systems such as embedded Linux, Windows Embedded as well as the most widely deployed real-time operating systems for embedded devices – VxWorks, Neutrino and INTEGRITY – and popular mobile OSes.

The Qt WebKit 2 integrated browser engine allows easy integration of web content and applications. It will make HTML5 developers feel at home and enable hybrid applications to be developed that combine the responsiveness and power of native code with large amounts of dynamic content.

Migrating applications developed against the previous Qt version 4 is straight forward, mainly requiring a simple recompilation.

"Qt 5.0 is the first major Qt release Digia has put out since acquiring the full Qt rights from Nokia earlier this autumn. We are happy to release Qt 5.0 together with the Qt Project and are pleased that we have been able to quickly and successfully integrate our development teams immediately after the acquisition process to deliver this anticipated Qt release. Qt 5.0 marks the beginning of the new Qt strategy and serves as the foundation for the further development of Qt," said Tommi Laitinen, Senior Vice President, Digia.

The commercial version of Qt 5 can be downloaded as a 30-day free trial from qt.digia.com. The open source version can be downloaded from the Qt Project, qt-project.org.

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About Qt

Used by over 450,000 developers worldwide, Qt is a full framework that enables the development of powerful, interactive and platform-independent applications. Qt applications run native on desktop, embedded and mobile host systems, enabling them to deliver performance that is far superior to other cross-platform application development frameworks. Qt's support for multiple platforms and operating systems allows developers to save significant time related to porting to other devices.

About Digia, Qt

Digia is responsible for all Qt activities including product development and commercial and open source licensing. Since March 2011, Digia

Plc, the Helsinki-based services and consulting powerhouse listed in the NASDAQ OMX Helsinki exchange (DIG1V) has been the commercial licensor of Qt. In September 2012 Digia acquired the full Qt business from Nokia. Digia operates in China, Finland, Norway, Russia, Sweden and USA.

Digia has in-depth Qt expertise and experience from demanding mission-critical development projects and hundreds of in-house certified Qt developers. We have helped leading industry players worldwide deploy Qt-based projects in the desktop, embedded and mobile space.

Digia's goal is to provide desktop, embedded and mobile developers and companies with the most powerful cross-platform UI and application framework. Together with its licensing, support and services capabilities, Digia, Qt operates with the mission to work closely with developers to ensure that the projects are deployed on time, within budget and with a competitive advantage. <http://qt.digia.com>