



Automated **Qt** for Embedded GUI Testing with Squish® GUI Tester





Functional GUI testing is an essential part of development and QA when creating sophisticated modern GUI applications. Manual testing alone cannot review an application for regressions within an acceptable time frame. Automated GUI tests quickly produce detailed, reliable and reproducible results, and execute in a fraction of the time. Automated GUI testing enables test engineers to expand testing coverage and rapidly find regressions so fixes can be made early, saving both time and money.

The creation of a maintainable and time-proven automated GUI testing framework requires an object-based automation tool that embodies a deep knowledge of the underlying GUI technologies being tested.

Extensive Qt support:

- ✓ Qt Versions 3.x, 4.x and 5.x
- ✓ QML, QtQuick, QtWebKit, QGraphicsView
- ✓ Standard & Custom Controls and Complex views
- ✓ Script access to all classes, methods & properties

Embedded and Real-time OS Support:

-  Embedded Linux
-  WinCE
-  QNX
-  Android
- ... and more

Main Squish features and capabilities:

- ✓ Powerful Test Development Environment
- ✓ Record & Playback on target devices, simulators and emulators
- ✓ Scripting language choice of Python, JavaScript, Perl, Tcl and Ruby
- ✓ Access to all the application's objects & properties
- ✓ Interactive Object Spy & Troubleshooting Utility
- ✓ Unattended test automation using Command-line tools and 3rd-party integrations
- ✓ Open data formats (e.g., plain text configuration files and plain text and XML/HTML reports)
- ✓ Support for hybrid applications (Qt+Web)
- ✓ Source code available to customers

Licensing

Named User Licenses and Group Licenses with concurrent seats are available. All licenses are perpetual and include a free 12-month Support & Updates Subscription.

More Information

Visit www.froglogic.com for additional information or to request an evaluation. Contact us at sales@froglogic.com with questions or for a live demonstration.

Squish for Qt Embedded Edition

What makes embedded environments different?

Embedded environments consist of customized hardware and operating systems. To ensure accurate and reliable testing using Squish, a specialized Squish build, matching an environment's particular specifications is produced.

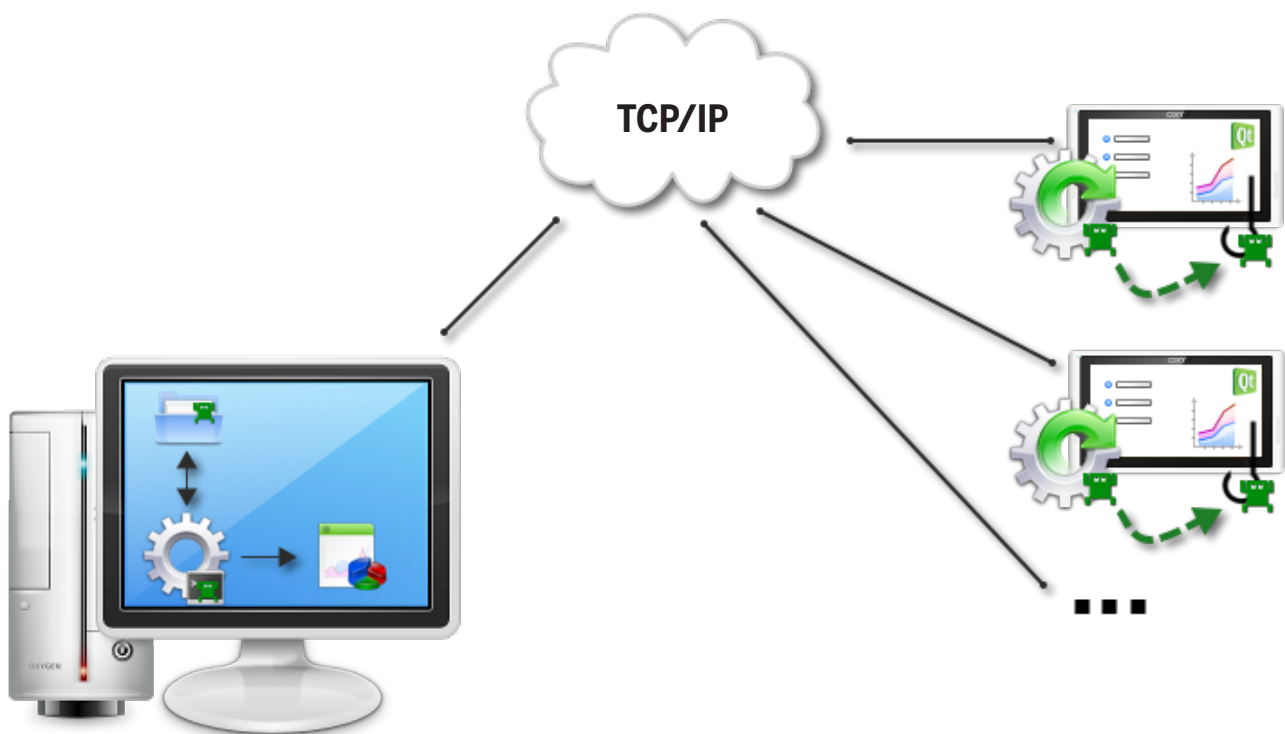
froglogic offers a dedicated Squish for Qt Embedded SDK package that includes cross-compilation options and allows customers to produce builds required for their precise device and configuration, as well as add-on customization services to produce ready-to-deploy Squish builds for a customer's embedded device.

A minimal Squish package is installed on the embedded device enabling Squish to communicate with the Embedded Qt application on the embedded device using a remote Squish instance running on a desktop operating system.

When testing applications on an embedded platform, Squish remotely connects to the Application Under Test (AUT), injects the Squish Hook, and interacts with the AUT during recording or playback.

Customers

Since 2003, froglogic has established itself as the leading Object-based Automated GUI Testing solution for embedded Qt devices. Customers span a variety of industries, including Medical, Automotive, Aviation and Industrial and Consumer-device electronics.



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