

TestQuest Pro

Discover the full flexibility and range of automated test platform benefits from Bsquare

Highlights

- Accelerate time to market
- Reduce testing costs and cycle time
- Improve quality of testing, execution and accuracy
- Increase test coverage



Overview

TestQuest Pro is a leading OS-independent quality-assurance automated test tool. Its flexible architecture enables support for new and unique hardware which can be developed by you or with the assistance of Bsquare engineering services.

TestQuest Pro is fully compatible with all major operating systems and can be used for quality assurance testing for:

- Wireless and mobile devices, such as smartphones, tablets and PDAs
- Digital entertainment, including set-top boxes
- Embedded devices, such retail point-of-sale devices
- Enterprise computing, including enterprise server installation

TestQuest Pro offers black-box test automation that simplifies what had been intensive manual testing of software applications, thus reducing costs and speeding time to market. A powerful tool which can be used standalone by a single developer or deployed across an entire product development and testing lab, TestQuest Pro can be used to validate a wide range of hardware and software environments.

TestQuest Pro works by becoming a “virtual” user, verifying performance of the system under test in a way that is identical to that of a manual tester. It can interact with all facets of a device’s interface – the screen, pointing devices, touchpads, keypads, and more. And, because all test-execution software runs on the TestQuest platform rather than on the device being tested, device resources are protected and testing integrity ensured.

Bsquare backs TestQuest Pro with world-class engineering support, from “how-to” assistance all the way up to custom-tailored QA and test automation engagements through our Professional Engineering Services Group.

Key Benefits

Accelerate time to market

- Reduce test cycle time via computer-generated and executed scripts – run tests 24x7
- Run concurrent execution sessions to increase testing throughput.

Reduce testing costs

- Reduce costly labor hours of manual testing
- Re-use test cases; write once – run multiple times

Improve quality of testing

- Increase test coverage by performing more test cases than typically covered in manual testing
- Eliminate human error and fatigue in manual testing
- Achieve greater detail in logs via automation
- Ensure quality end-user-experience by using real devices in real environments

Key Test Applications

- Functional and regression
- End-to-end
- Performance and stress
- System
- Compatibility
- HMI
- Interoperability

Key Features

- Systems-under-test (SUT) are tested exactly as if being operated by a manual tester
- OS Independent for system-under-test
- Promotes advanced automated testing, including TestVerb Technology™ (TVT), Data-Driven and Action-Word test methodologies

TestQuest Pro Test Execution and Management

- Ability to execute selected test scripts from within a test framework and run them against multiple systems that are under test
- Allows logging of test results including test script name, pass/fail status and date
- Clean-up scripts can be cycle tests passes unattended 24 hours a day
- Supports integration with in-house and third- party test managers to incorporate TestQuest Pro into existing environments

Test Target Connectivity

Mobile & Wireless

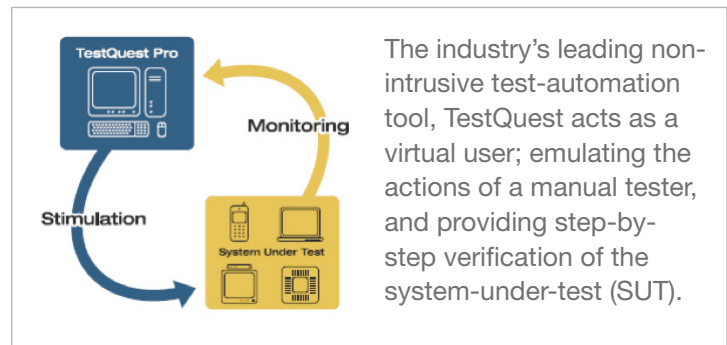
- Android
- BlackBerry®
- Brew MP handsets
- Microsoft® Windows CE
- Microsoft® Windows 2000, XP and 7
- Symbian OS™ - Nokia® Series 60
- UTS-enabled phones
- Windows Mobile™
- SDK for creating custom interfaces

Digital Entertainment

- Set-top boxes
- Audio
- Component, RGB, S-Video and Composite video
- IR controllers
- In-Vehicle Infotainment Systems
- Environmental controls
- Entertainment (audio and video)
- Navigation

Enterprise Computing

- Discrete IO stimulation and monitoring
- Keyboard and pointing device stimulation
- Relay stimulation
- Serial device stimulation and monitoring
- VGA/DVI output monitoring



TestQuest Pro Connectivity

- Performs tests on mobile phones, PDAs, desktops, servers, notebooks, set-top boxes, HDTVs and more, using both hardware (physical) and software (virtual) connections
- Simultaneously connects to multiple systems-under-test for end-to-end testing

TestQuest Pro Script Recorder

- Allows you to create a test script and execute a test line-by-line within the same test environment
- Provides real-time automatic insertion of input commands into the test script as you navigate through the device application
- Enables images and text to be selected and used as references and provides Intelligent Text Recognition for Western languages, based on Optical Character Recognition (OCR) technology
- Set-top boxes
- Built-in C interpreter features on-the-fly test script execution and an array of debugging features
- Customizable to your environment, allowing the creation of user-defined functions, menus, plug-ins and toolbars

Patented TestVerb™ Technology

- Simplifies creating scripts and maintenance
- Makes scripts highly maintainable
- Enables re-use of scripts across platforms
- Reduces test-automation costs

For more information, please visit www.bsquare.com. Or email us at sales@bsquare.com

At Bsquare

Bsquare is a solution provider to the global embedded device community. Our teams collaborate with OEMs at any stage in their device development to bring quality products to market faster. Since 1994, Bsquare has been a trusted partner to smart device makers worldwide.

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