

# TestQuest™ 10

## Highlights

- Reduces testing costs and complexity of test case development by integrating with popular development tools
- Increases quality of devices by scaling and automating test case reuse across multiple devices
- Speeds time-to-market by supporting test execution on desktop prototypes, emulators and simulators, enabling test execution to start before production hardware is available
- Meets demand for testing on devices running on Android and Windows Embedded platforms
- Provides improved intelligent text recognition and language capabilities - up to 92% processing speed improvement



## Overview

TestQuest 10 is a test automation product that brings together key strengths of TestQuest Pro and TestQuest Countdown and adds new functionality to create a new and powerful test automation solution that is unsurpassed in the marketplace. The key technology improvements included in TestQuest 10 help application developers and original equipment manufacturers (OEMs) get products to market quickly, saving time and money, by reducing test costs and complexity while also increasing software and device quality.

TestQuest 10 reduces the cost per test and complexity of test case development by integrating with the most popular commercial software development environment, Microsoft® Visual Studio™, as well as popular software version control systems. This integration facilitates getting started quickly without needing to learn an entirely new set of tools. TestQuest 10 supports test development using any language that supports the .NET common language runtime (CLR), including C#, Visual Basic 2010, IronPython, IronRuby and others.

TestQuest 10 lowers the cost of each test pass while increasing test execution accuracy. Scalable automation enables test cases to be reused multiple times across multiple devices and also reduces the mental and physical strain caused by repetitive manual testing. Testing productivity can be further increased through distributed test execution, which provides customers with the ability

### Features

#### Extensible

- Integrates into Microsoft Visual Studio Professional 2010
- Works via open API to integrate with other tools
- Supports new device and connection types with the SDK (Software Development Kit)

#### Flexible

- Choose test language from among many CLI languages including C#, Visual Basic, PowerShell, IronPython and IronRuby
- Test devices on multiple platforms and connection types

#### Distributed

- Share and control test code source and binaries with large teams via version control systems such as TFS, SVN, CVS and others
- Supports distributed environments with coded environment and simple execution

#### Scalable

- Promotes repeatable testing through multiple executions
- Supports integration with third-party and open source tools including Microsoft Test, NUnit and CruiseControl.NET

### Solution Components

#### Test Designer

- Creates automated tests quickly for test case generation, debugging and execution
- Unlimited test creation, test execution and device connection
- Support available

#### Test Runner

- Accelerates test execution cycles by running automated tests—unattended—24/7
- Easily configured and shared by multiple test teams
- Unlimited test execution and device connection
- Support available

#### Device Server

- Provides test connectivity to multiple, remotely located devices
- Support available

to test using geographically distributed development and test teams. Additional productivity savings are gained by the product integrating with Microsoft Test and many popular third-party and open source testing tools which allows teams familiar with these tools to be immediately productive with TestQuest 10.

The TestQuest 10 solution mimics the actual type of interaction a human would have with a device without the limitations, strain and errors associated with manual testing. The automation features in TestQuest 10 can also improve the quality of testing, providing testing that's similar to what would be encountered in the real world—across multiple environments, in different geographies, and with varied hardware—so developers and device manufacturers can detect defects that might not otherwise arise in a single location or test environment.

TestQuest 10 accelerates time-to-market by allowing test development and test execution to start with desktop prototypes, device emulators and simulators, even before production hardware is available. Testing can be transitioned to production devices, and tests can be executed without changing any underlying test code.

TestQuest 10 supports test development and execution under 32- and 64-bit Windows 7 environments and various target device types including those running Android and Windows Embedded platforms. The product also features improved intelligent text recognition (ITR) across all supported language sets.

#### Key Test Applications

- Functional Testing
- Regression Testing
- Build Verification Testing
- UI Conformance Testing
- Internationalization Testing
- Stress and Performance Testing
- Compatibility Testing
- Interoperability Testing
- System Testing
- Multiple System Under Test
- End User Experience Testing
- Drive Testing
- Certification Testing

#### Platforms Supported

- Android OS™
- BlackBerry OS™
- VNC Client Interface for iOS
- Windows Mobile™
- Windows CE™ Devices
- Windows Desktop and Server
- Test Control Interface

#### Minimum Recommended System Requirements

- 4 GB RAM
- 100 GB HD
- Core i5 2.6 GHz
- Microsoft® Visual Studio™ 2010 Professional
- C# or other .NET programming language

For more information, please visit [www.bsquare.com](http://www.bsquare.com). Or email us at [sales@bsquare.com](mailto: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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