

Connectivity Interfaces for TestQuest Countdown™

Device under test connectivity solutions

Highlights

- Android OS
- BlackBerry OS™
- Windows Mobile™
- Windows CE™ Devices
- Windows XP™ and Windows Vista™
- Symbian OS™-based Devices (Nokia® Series 60 and UIQ)
- UTS-enabled Phones (enabled by most CDMA handset manufacturers)
- BREW™



Overview

TestQuest Countdown provides test connectivity to any mobile and wireless device. And for automating end-to-end testing, TestQuest provides test connectivity to PCs, base station emulators and other test equipment. With the range of available options, TestQuest provides flexible, timely and cost-effective connectivity to meet your mobile and wireless test automation needs.

Historically, the principle inhibitor to implementing test automation on mobile devices, especially phones, has been the lack of test connectivity. Now TestQuest offers solutions to provide test connectivity to any mobile device, as well as to other equipment involved in your automated end-to-end system test. Our software and hardware connectivity options provide effective connectivity while ensuring test integrity with little or no consumption of resources on the device.

Determining the right connectivity approach depends on the platform and your testing needs. A combination of software and hardware connectivity options can be used, and the type of connectivity can be changed with no impact on test scripts. TestQuest will help you select the best approach.

Countdown Components

TestDesigner

- Eliminates coding for faster test case generation, debugging and execution.
- 100% platform independent for more efficient test development in fast-changing mobile world.
- Creates automated and (coming soon) manual tests.

TestManager

- Creates, configures, schedules and manages every facet of a test process.
- Consolidates test log data into reports that show what test elements passed or failed.
- Manages the entire test process from a single, web browser-based client.

TestRunner

- Accelerates test execution cycles by running automated tests — unattended — 24/7.
- Easily configured by TestManager's web client, and shared by multiple test teams.
- Logs test results directly into the shared Test Asset Repository.

AssetManager

- Provides services and resources for sharing test assets and information.
- Supports a high level of collaboration between distributed teams.
- Ensures that only the right test assets are delivered for the device being tested.

Handset Connectivity

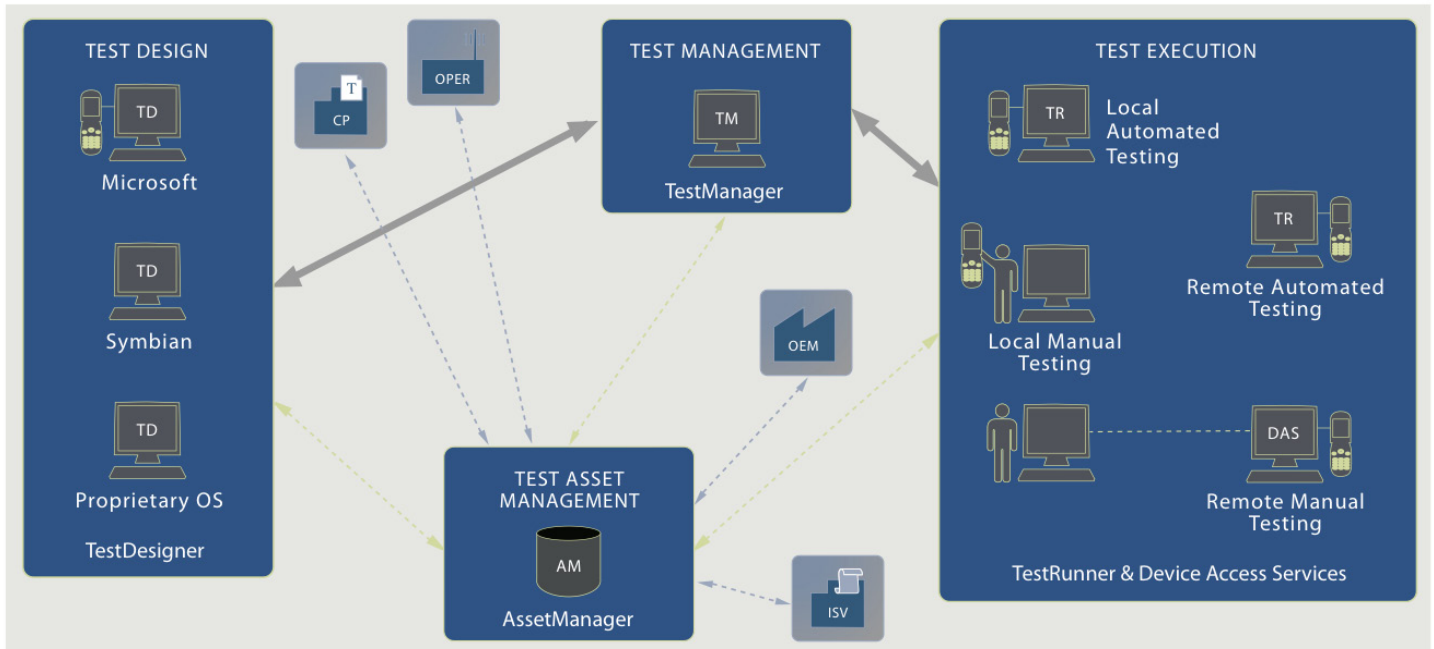
From a PC running TestQuest Countdown you can create test scripts to enter text, tap, hold and drag on the touchpad, press buttons and capture LCD images or verify text.

Software Interfaces

Software interface solutions provide a flexible, cost-effective solution for testing mobile and wireless devices. This solution uses minimal resources on the device and allows immediate connection to new devices or versions. TestQuest software interface agents work over USB, serial, Bluetooth, TCP/IP, or other communication transports on your device.

TestQuest also provides a Mobile Test Connectivity SDK for building a custom interface. Custom interfaces are intended for mobile platforms not supported by one of the above standard interfaces, such as GSM phones. These interfaces can be used by chipset or handset manufacturers or operating system developers to integrate their test connectivity with TestQuest Countdown. The interface developer manages the communication transport between the device and TestQuest Countdown.

TestQuest Countdown Integrates Test Processes & Information Across the Value Chain



For more information or to request a demo, 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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