

DATA SHEET

QALOAD®

Business Challenge

Today's client/server systems are expected to perform reliably under loads ranging from hundreds to thousands of simultaneous users. Organizations need to perform repeatable load testing and determine the ultimate performance and potential limits of a system. Full application failure or poor performance can result in diminished productivity or, even worse; adversely affect the business's bottom line.

Product Overview

QALoad® ensures application performance and scalability meets business expectations and identifies problems before applications go live. It simulates thousands of application users while collecting key application scalability and performance metrics. QALoad gives users the ability to understand end user performance and application bottlenecks and make informed decisions on how to address them.

Key Benefits

- **Deploy applications with confidence:** Accurately simulate the effects of hundreds or thousands of users on your application prior to deployment. Identify issues before applications 'go live' where downtime and poor performance impact end users perceptions and business objectives.
- **Find bottlenecks and increase application reliability:** Isolate the root causes of problems in today's multi-tier environments. Collect relevant performance metrics from network server and applications and quickly identify the necessary applications changes required to meet scalability objectives.
- **Lower testing costs:** Flexible licensing, simplified scripting and superior scalability reduces the software, hardware and manpower requires for a performance testing environment.
- **Broad enterprise application support:** Support for applications ranging from legacy applications to the latest Web 2.0 RIA (Rich Internet Application) ensures QALoad can meet the needs of today's Enterprise IT departments and cutting edge development teams.

Detailed Feature Overview

STREAMLINED TEST SCRIPT DEVELOPMENT

QALoad's Script Development Workbench allows testers to quickly capture testing scenarios and turn them into accurate and repeatable testing scripts. QALoad's Visual Scripting and Parameterization Wizards and Rule Libraries take the complexity out of the scripting process. QALoad's advanced Web support automatically handles many of the complexities of modern AJAX applications.

SCALABLE TESTING

QALoad's highly scalable testing infrastructure is designed to emulate thousands of virtual users with without minimal equipment costs. QALoad's Conductor serves as a central point of test setup and real-time control and reporting. Real-time feedback and simulation accuracy ensure you make the most out of testing cycles

INTEGRATED ANALYSIS OF KEY PERFORMANCE METRICS

QALoad provides users with a comprehensive set of performance statistics that can be viewed both real-time and after a test session. QALoad enables testers collect timings on a wide range of metrics from detailed individual server calls up to complete business transactions. QALoad integrated monitoring collects a wide variety of hardware, operating system, software component and application metrics to provide testers with a complete picture of the application under test. Integrations with Compuware's Vantage products provide detailed insights into network performance metrics as well as bottlenecks in Java and .Net components.

ROOT CAUSE ANALYSIS AND REPORTING

QALoad enables users to understand the root cause of performance issues by providing a variety of easy to understand reports and graphs that summarize application performance. Detailed drill-down capabilities and customized graphing help testers quickly identify problems. QALoad reports can easily be exported and shared with management and other teams in both HTML and Microsoft Word formats.

Product Specifications and System Requirements

QALoad Component	System Requirements
Script Development Workbench	<p>The following 32-bit OSs are supported:</p> <ul style="list-style-type: none"> ➤ Windows 7 ➤ Vista ➤ Windows Server 2008 ➤ XP Professional ➤ Windows 2003 <p>Visual Studio 2003, 2005, 2008 for compiling Citrix, Oracle Forms Server, ODBC, TestPartner, SAP and .Net EasyScript scripts.</p> <p>JDK 1.5 or JDK 1.6 required for Java EasyScripts.</p>
Conductor and Analyze	<p>The following 32-bit OSs are supported:</p> <ul style="list-style-type: none"> ➤ Windows 7 ➤ Vista ➤ Windows Server 2008 ➤ XP Professional ➤ Windows 2003
Linux Player	<p>The following Linux platforms are supported:</p> <ul style="list-style-type: none"> ➤ Red Hat Linux EE v4.0 ➤ Red Hat Linux EE v5.0 <p>GNU GCC and JRE 1.5/1.6 required for executing scripts.</p>
Solaris Player	<p>The following Sun Solaris SPARC platforms are supported:</p> <ul style="list-style-type: none"> ➤ Solaris 9 ➤ Solaris 10 <p>Sun Studio 11/12 or GNU GCC required for executing scripts.</p>

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