HP Unveils Integrated Automated Testing Solution for Composite Applications

Improves quality of complex applications

Overview
Thorough testing of composite, modern business applications requires advanced automation, efficiency and functionality.

The new HP Unified Functional Testing software, one of the solutions added to the HP Software Applications portfolio, combines the unique capabilities of HP Functional Testing (QuickTest Professional) and HP Service Test 11.0 software. As a result, clients have the tools needed to thoroughly test today's complex applications and improve overall quality.

Test automation solution for comprehensive business transactions
Most business transactions employ similar processes. A common example of such a transaction process is:

1. Initiate the process via a web application;

2. Connect to a billing system;

3. Register on an Enterprise Resource Planning system;

4. Send an email notification; and

5. Return to the web application with a confirmation message.

HP Unified Functional Testing solution is the single test automation software for testing this process.

These complicated transactions span multiple applications while performing complex steps below the graphical user interface (GUI) layer. HP Unified Functional Testing enables quality assurance (QA) teams to validate:

—   The application layer located beneath the GUI, referred to as "headless", contains services, message queues and database abstraction layers.

—   The application through the GUI.

—   Transactions as they span multiple GUI and non-GUI layers of an application.

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Automating the testing of complex applications combined with a single solution that addresses GUI, headless and multilayer testing, enables QA teams to improve the quality of business processes and reduce training costs.

Agile methods for faster response to business needs
HP Unified Functional Testing also enables QA teams to automate testing during the initial stages of the development process as parts of an application can be tested before the GUI is developed. This early testing is essential for Agile development. Agile is a methodology for developing quality software and supporting application modernization initiatives. This method enables IT organizations to rapidly deploy applications in response to changing business requirements.

Automated, accelerated testing delivers higher quality applications
HP Service Test Software 11.0 automates the testing of headless services and components as soon as they are stable, to accelerate the test process.

Enhancements to HP Service Test 11.0 enable clients to:

— Simplify testing with a drag-and-drop approach that offers a visual, intuitive and codeless approach to designing a test flow;

— Accelerate testing with a toolbox of reusable activities that can be dragged onto the design canvas and quickly configured. Out-of-the-box support includes WSDL, Java Message Service (JMS), HTTP, Representational State Transfer (REST) and .Net services.

— Reduce defects across the application lifecycle through the integration with HP Quality Center for executing tests and reporting results. In addition, clients can easily set up for most security configurations and use HP Service Test as a load generator for performance testing with HP LoadRunner.

— Improve efficiencies by creating tests with more powerful data handling through built-in text-based data tables, Extensible Markup Language (XML) files, as well as Excel files that can be created to match the format of the input and expected output of each step.

HP Functional Testing software delivers regression test automation for major software applications. It empowers QA teams to adopt consistent, repeatable, and standardized testing practices using shareable assets. This enables QA teams to deliver high quality applications with increased predictability at a lower cost.

Enhancements to HP Functional Testing (QuickTest Professional) software enables clients to:

— Test applications that use innovative Web 2.0 technologies including Dojo, Google Web Toolkit (GWT) and Yahoo! User Interface (YUI).

— Support for Rich Internet Application (RIA) technologies including Adobe FLEX, Microsoft® Silverlight and Windows® Presentation Foundation (WPF) also has been added.

— Remain competitive with the Extensibility Accelerator which strengthens the testing community by providing a wizard for extending support of the HP Functional Testing

software to new, innovative web technologies as they become available.

— Promote reuse for faster, efficient application delivery by sharing a common data source across different tests and separating data from tests through integration with HP Quality Center software.