HP QuickTest Professional software

Data sheet

HP QuickTest Professional software is advanced, automated testing software for building functional and regression test suites. It captures, verifies, and replays user interactions automatically and helps testers quickly identify and report on application effects, while providing advanced functionality for tester collaboration.

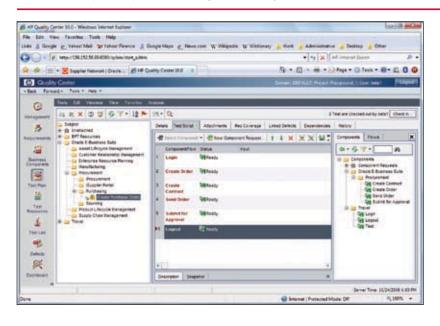## Simplify test creation and maintenance.

HP QuickTest Professional software provides functional and regression test automation for major software applications and environments, including next-generation development technologies, such as Windows® Presentation Foundation, Web services, Macromedia Flex, Ajax, Delphi, PowerBuilder, .NET, J2EE and enterprise resource planning (ERP), and customer relationship management (CRM) applications.

HP QuickTest Professional offers a fresh approach to automated testing: It deploys the concept of keyword-driven testing to radically simplify test creation and maintenance. Using keyword capabilities, your testers can build test cases by capturing flows directly from the application screens and applying robust capturing technology (record/replay). In addition, your power users get full access to the underlying test and object properties through an integrated scripting and debugging environment that is synchronized with the Keyword View capability for your complete testing cycle.

With HP QuickTest Professional, your quality assurance (QA) organization can:

- Empower the entire team to create sophisticated test suites with less training.

- Establish correct functionality across all environments, data sets, and business processes.

- Fully document and replicate defects for developers, helping them fix defects faster and meet production deadlines.

- Easily regression test ever-changing applications and environments.

- Deliver quality products and services and improve revenues and profitability.

- Enable tester workgroups to share automated testing assets across teams.

Easy to use
Using the Keyword Views, Auto-documentation, and Active Screen features, you can
create and modify test scripts without having to write a single line of code.

How HP QuickTest Professional works

HP QuickTest Professional allows even novice testers to be productive in minutes. You can create tests using the script-free Keyword View feature and simply declaring the test steps. QuickTest Professional also lets you capture test steps via an integrated recording capability. The product documents each step in simple language and displays an integrated screenshot via the Active Screen feature.

Unlike traditional scripting tools that produce scripts that are difficult to modify, HP QuickTest Professional's keyword-driven approach lets you easily insert, modify, data-drive, and remove test steps.

HP QuickTest Professional also addresses new application builds. When an application being tested changes, such as renaming a "Login" button to "Sign In," you only need to update one reference in an extensible markup language (XML)-based Shared Object Repository (within the Object Repository Manager feature), and the update is propagated to all tests that reference this object.

With HP QuickTest Professional you can provide local system monitoring by testing system performance measurements correlated to a business process, reporting on thresholds exceeded, and analyzing and tracing performance errors to their root cause.

You can publish test scripts to HP Quality Center software, allowing other QA team members to reuse your test scripts and eliminating duplicate work.

Collaborate across workgroups.
HP QuickTest Professional has been designed for test automation collaboration among tester workgroups. It includes technology for managing application definitions or objects in the Object Repository Manager. Based on an open XML format, the Object Repository Manager lets HP QuickTest Professional users collaborate and share application object definitions. HP QuickTest Professional keeps object-level changes synchronized among users throughout test creation efforts.

In addition, you can define object repositories before an application is available to QA. Users can also share function libraries, application asset definitions, and data-driven spreadsheets across workgroups.

With process guidance, you can embed a user guide within HP QuickTest Professional and propagate best practices with interactive help to walk users through the activities and link them to the right application areas within the software. Two built-in processes are provided—keyword driven processes and business process testing. Users can also create their own custom processes.

Accelerate testing.
Several features are available in HP QuickTest Professional to improve your use of the tool: maintenance run mode, an enhanced, enterprise-level integrated development environment (IDE), and checkpoint management. In addition, using Keyword Views, Auto-documentation, and Active Screen features, you can create and modify test scripts without writing a single line of code.

Maintenance run mode is designed for the production phase where tests need to be maintained as the application changes. This execution mode lets you run tests and, instead of failing where an application has changed, a pop-up wizard provides guidance on how to change the test real-time, the reason for failure, and choices for how to address it. This feature reduces the time required to analyze the test suite and identify edits based on changes in the application.

The IDE contains numerous productivity enhancements, including ease-of-use when reusing keywords within the same test, and providing access to meta test data such as test flow, actions, and test assets. Quick test panes are available to make test asset information more visible and easier to access. Additional IDE enhancements include capabilities around intellisense, dynamic surroundings, and auto-complete as well as customizable toolbars.

Checkpoint Management allows you to utilize a single user interface to manage test checkpoints and output objects, as well as to share object repositories between tests. You can also create your own bitmap comparison algorithms and build them into HP QuickTest Professional to be managed as a checkpoint.

HP Functional Testing
HP Functional Testing software combines HP QuickTest Professional and all HP QuickTest Professional add-ins into a single integrated solution. This combination allows you to conduct automated functional testing across the industry's broadest set of platforms and technologies.

Unified Functional Testing
HP Unified Functional Testing brings together HP QuickTest Professional, HP QuickTest Professional add-ins, and HP Service Test into a single package. This powerful combination of functional testing tools allows you to conduct automated testing for both graphical user interface (GUI) -based applications and non GUI-based services.

Combine automated and manual testing.
You can leverage your investment in HP QuickTest Professional with HP Business Process Testing software, which provides functional test case design for both automated and manual testing. HP Business Process Testing enables non-technical subject-matter experts to become an integral part of the quality optimization process. It automates the creation of test plans and streamlines test maintenance for application change.

HP Business Process Testing reduces the overhead for automated test maintenance and combines test automation and documentation into a single effort. It lets subject-matter experts and business managers measure the quality of application deliverables from abstract business definitions defined within the HP Business Process Testing framework.

Reporting
HP QuickTest Professional provides the ability to customize reports with user-defined images and screen shots to facilitate reproducing errors. Client performance-related errors (e.g. memory leakage) can also be included in the standard reports with the ability to link directly from the report to the test script itself. Reports can also be exported to portable document format (PDF) and Microsoft Word documents.

Key features and benefits
• Operates stand-alone or integrated with HP Business Process Testing and HP Quality Center

• Enables collaboration among workgroups with shared function libraries, robust object management, and flexible asset storage within HP Quality Center

• Features next-generation, "zero-configuration," keyword-driven testing technology—allowing for fast test creation, easier maintenance, and more powerful data-driving capability

• Identifies objects with Unique Smart Object Recognition, even if they change from build to build, for reliable and unattended script execution

• Manages multiple object repositories with ease to facilitate building automated frameworks and libraries

• Handles unforeseen application events with Recovery Manager, facilitating 24x7 testing to meet test project deadlines

• Reduces time to resolve defects by automatically reproducing defects and identifying problems with the built-in test execution recorder

• Collapses test documentation and test creation into a single step with Auto-documentation technology

• Easily data drives any object definition, method, checkpoint, and output value via the Integrated Data Table

• Rapidly isolates and diagnoses defects with integrated reports that can be exported into XML and hypertext markup language (HTML) formats

• Provides Unicode support for multi-lingual application testing

• Enables manual and automated testing for GUI-based applications and non GUI-based services

A complete solution

Comprehensive training

HP provides a comprehensive curriculum of HP Software and IT Service Management courses. These offerings provide the training you need to realize the full potential of your HP solutions, increase your network optimization and responsiveness, and achieve better return on your IT investments.

With more than 30 years experience meeting complex education challenges worldwide, HP knows training. This experience, coupled with unique insights into HP Software products, positions HP to deliver a better training experience. For more information about these and other educational courses, visit **www.hp.com/learn**.

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To find an HP Software sales office or reseller near you, visit **www.managementsoftware.hp.com/buy**.

HP Services

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For an overview of HP software services, visit **www.managementsoftware.hp.com/service**.

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To learn more about HP Software Customer Connection, a one-stop information and learning portal for software products and services, visit **www.hp.com/go/swcustomerconnection**.

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