HP LoadRunner software
Data sheet

HP LoadRunner software is cost-effective software for performance validation. Generate load. Diagnose problems. Deploy with high quality.

Predict system behavior and application performance

How do you know whether your mission-critical applications meet the performance and scalability that your business requires? How do you decrease the risk of poor performance or catastrophic failure when deploying a multi-user system?

Enterprise applications are inherently complex, and their many moving parts can become potential points of failure if not tested prior to deployment. HP LoadRunner software is an enterprise-class, testing software for predicting system behavior and performance used by thousands of businesses around the world. HP LoadRunner helps you:

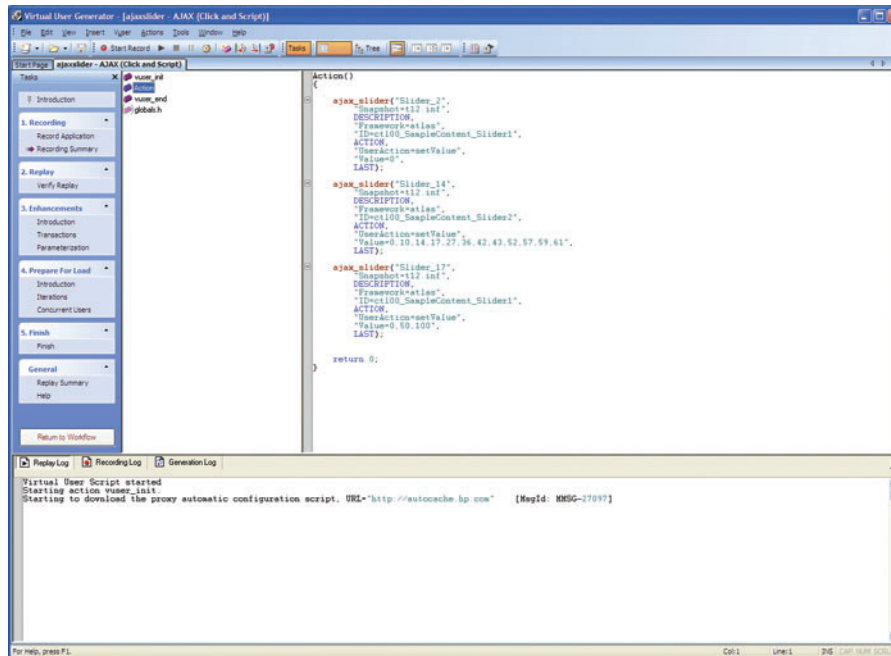- Obtain an accurate picture of end-to-end system performance before going live

- Verify that new or upgraded applications meet specified performance requirements

- Identify and eliminate performance bottlenecks during the development lifecycle

How HP LoadRunner works

Using minimal hardware resources, HP LoadRunner emulates hundreds or thousands of concurrent users to apply production workloads to almost any client platform or environment. HP LoadRunner stresses an application from end to end—applying consistent, measurable and repeatable loads—then uses the data to identify scalability issues that can affect real users in production.

As it drives load against the system, HP LoadRunner captures end-user response times for key business processes and transactions to determine whether you can meet service-level agreements (SLAs). Non-intrusive, real-time performance monitors obtain and display performance data from every tier, server and system component, and diagnostics probes gather code-level data to isolate bottlenecks at the SQL statement or method level. This combination of end-user, system-level and code-level visibility dramatically reduces time to problem resolution.

This script, captured using HP Click and Script technology for Ajax, shows how you can capture just components rather than the whole page allowing you to find performance problems within pages.

After the load test completes, the HP LoadRunner analysis engine provides a single view of end-user, system-level and code-level performance data. It includes a patented AutoCorrelation engine to scan end-user, system and diagnostics data and provide the top ten likely causes of system slowdown. This helps your users determine whether they have met their goals, and if not, why not and who owns the problem.

Get enterprise load generation, monitoring and diagnostics
HP LoadRunner supports performance testing for a wide range of application environments and protocols, including web, SOA and web services, Ajax, RDP, database, legacy, Citrix, Java, .NET and all major ERP and CRM applications, including PeopleSoft, Oracle, SAP and Siebel. HP LoadRunner has more than 40 non-intrusive monitors tailored for these systems and provides diagnostics for J2EE, .NET, Siebel, Oracle and SAP. HP LoadRunner offers one set of rules for all your enterprise load testing requirements.

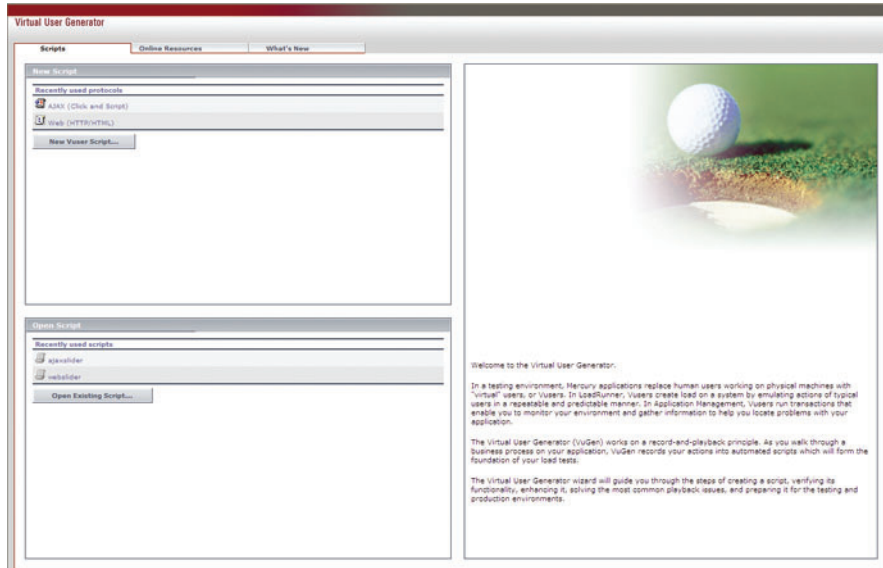**Reduce scripting time by 80 percent**
HP LoadRunner reduces the script-creation process to a few simple mouse clicks. This feature, Click and Script, lets you record scripts at the user-interface level by clicking on screens for automatic script generation, making the scripting process easier. It automatically

captures the most valuable scripting information to create succinct, visually intuitive and self-explanatory scripts, reducing scripting time and maintenance by an average of 80 percent. These scripts are also easier to maintain, allowing you to look at the scripts, quickly see what is happening in each statement and focus on the elements to modify for another test.

Support the performance lifecycle
To enable load testing earlier in the application lifecycle, HP LoadRunner integrates with the leading J2EE, Microsoft Visual Studio and Microsoft .NET environments. This integration lets you create HP LoadRunner scripts directly within the IDE, so components can be tested earlier and more often. In addition, HP Performance Diagnostics Profiler software, available at no cost, lets your developers view and debug performance issues within their development environments and desktops.

A view of VuGen using HP Click and Script technology for the Ajax protocol listed prior to starting a recording.

To facilitate intelligent release decisions, HP LoadRunner is integrated with industry-leading quality software, such as HP QuickTest Professional software, HP WinRunner software and HP Quality Center software. These software products provide the foundation for a single picture of release risk, so you can make informed decisions to make applications go live.

Service-level management doesn't end when load testing is done. In fact, service-level management begins when the system goes live. To facilitate the transition from quality assurance to production, you can reuse HP LoadRunner scripts within HP Business Availability Center software to monitor application performance, availability and service levels in production under real-user workloads.
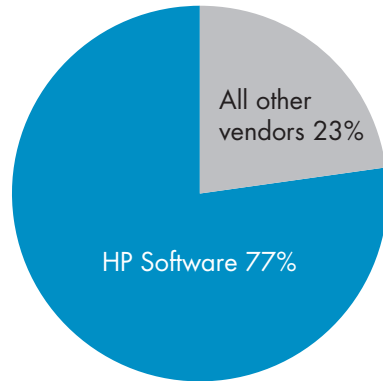
These integrations, both upstream into development and downstream into production, make HP LoadRunner a platform for performance engineering across the software development lifecycle.

Key features and benefits

- Decreases the risk of deploying systems that do not meet performance requirements
- Reduces hardware and software costs by accurately predicting system capacity
- Lets you begin intelligent service-level management before services go live
- Shortens test cycles to accelerate delivery of high-quality applications
- Pinpoints end-user, system-level and code-level bottlenecks rapidly and with ease
- Reduces the cost of defects by early testing in the development cycle

Get the industry-leading testing solution
HP LoadRunner has 77 percent market share in the load testing market worldwide.

All other vendors 23%

HP Software 77%

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 the optimum training experience. For more information about these and other educational courses, visit: **www.hp.com/learn**

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HP Services

Get the most from your software investment

HP provides high-quality software services that address all aspects of your software application lifecycle needs. With HP, you have access to standards-based, modular, multi-platform software coupled with global services and support. The wide range of HP service offerings—from online self-solve support to proactive mission-critical services—enables you to choose the services that best match your business needs.

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

To access technical interactive support, visit Software Support Online at: **www.hp.com/managementsoftware/services**

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