

# HP Performance Center software

Data sheet

**HP Performance Center software is an enterprise-class performance testing software, designed to facilitate standardization, centralization, global collaboration, and the formation of a performance testing Center of Excellence.**

## Enterprise wide performance validation

### Standardize your performance testing platform

Whether you want to standardize on a specific testing platform or develop a performance testing center of excellence (CoE), you can base your quality initiative on HP Performance Center software.

HP Performance Center is built on HP LoadRunner, the industry-leading performance testing software. A management framework on top provides a web-based, globally accessible platform that facilitates enterprise-wide testing and collaboration.

HP Performance Center is available for 24x7, concurrent use, regardless of whether performance testers are in New York, London, or Bangalore.

### Centralize and consolidate testing resources

Distributed application performance testing teams with multiple products often result in over-investment in licenses, hardware, and software. The first step toward increasing your return on investment (ROI) is to standardize your software and consolidate your testing resources. HP Performance Center lets globally distributed performance engineers share a

common testing infrastructure. Licenses and resources that were distributed across various projects can be consolidated into one central, easily-accessible pool. This makes license management much easier, eliminates redundancy of hardware and software, and makes resources more accessible to various projects. Scheduling of test resources helps optimize resource utilization. License-pooling enables customers to buy exactly what they need, and helps reduce license costs. A central install makes installation and upgrades easier. All of this cuts the cost of enterprise load testing, and increases ROI.

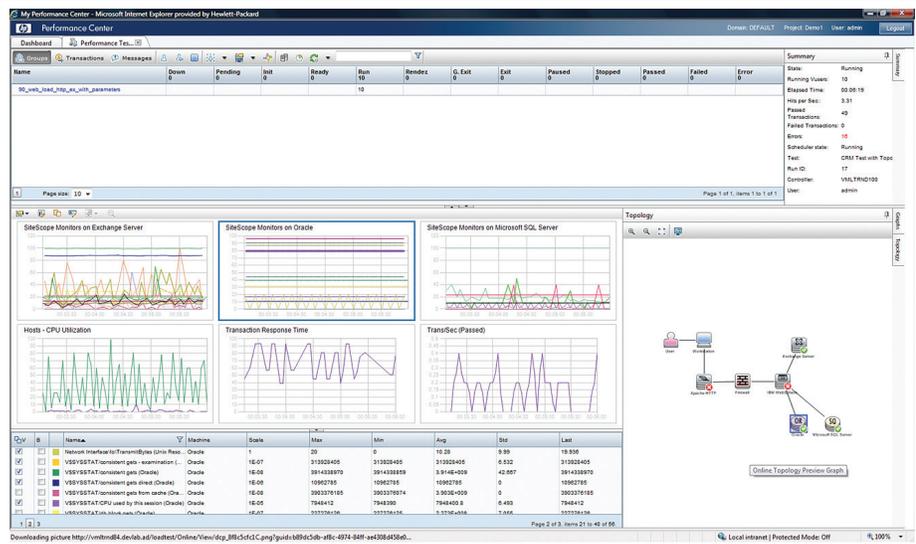
### Support your enterprise environment

As the types of applications you deploy change from Web to Java™ to Web 2.0, it becomes more difficult to find one solution for all of your performance testing needs. With support for more than 60 protocols and a protocol software development kit (SDK), which allows partners to create protocols, HP Performance Center provides a broad range of coverage and support for your strategic IT initiatives from ERP/CRM deployments and upgrades to Application Modernization initiatives. The new, browser-based TruClient scripting technology supports next generation AJAX applications.

We also have an extensive community of third-party solution providers. You can be sure that no matter how diverse your quality assurance (QA) requirements are, our solutions can meet your needs.



**Figure 1.** Performance Center shows the status of the transactions, systems, and machines online as you run the test.



## Track and monitor your infrastructure topology

HP Performance Center also includes a topology module which helps you define the infrastructure topology of the system under test. A high percentage of issues actually result from mis-configuration of the infrastructure and machines. Often times, testers don't know the details of the infrastructure they are testing against. Having everything in one place with the tests helps keep a record of the configurations, so that you know exactly what you are testing against, and keep track of changes between iterations. The visual topology also facilitates setting of monitors so that you can see exactly what is happening in the system as you run your tests.

## Ensure coverage of performance requirements. Track defects back to relevant requirements

HP Performance Center supports defining of performance requirements such as Service Level Agreements (SLAs) in your tests. When defects are detected, those can be tracked back to the requirements to see if critical requirements are affected. You can also see a coverage report of all requirements to track the exact status of your projects, so that go/no-go decisions can be made appropriately. HP Performance Center provides visibility into the test status across the enterprise.

## Measure quality across multiple tests and iterations

Testing is typically an iterative process where you run a test, analyze results, make necessary changes, and then run a test again till optimum performance is achieved. It is important to be able to quickly determine how the application performance is progressing over multiple consecutive iterations of

tests so that appropriate changes can be made. This becomes particularly relevant in the case of agile methodologies where there exists the concept of multiple sprints and iterations.

HP Performance Center provides performance trending information across multiple tests. You can define a baseline and setup reports that help you quickly see how the application performance is trending over subsequent iterations, and how the application is performing against the defined SLAs.

## Build a performance testing center of excellence

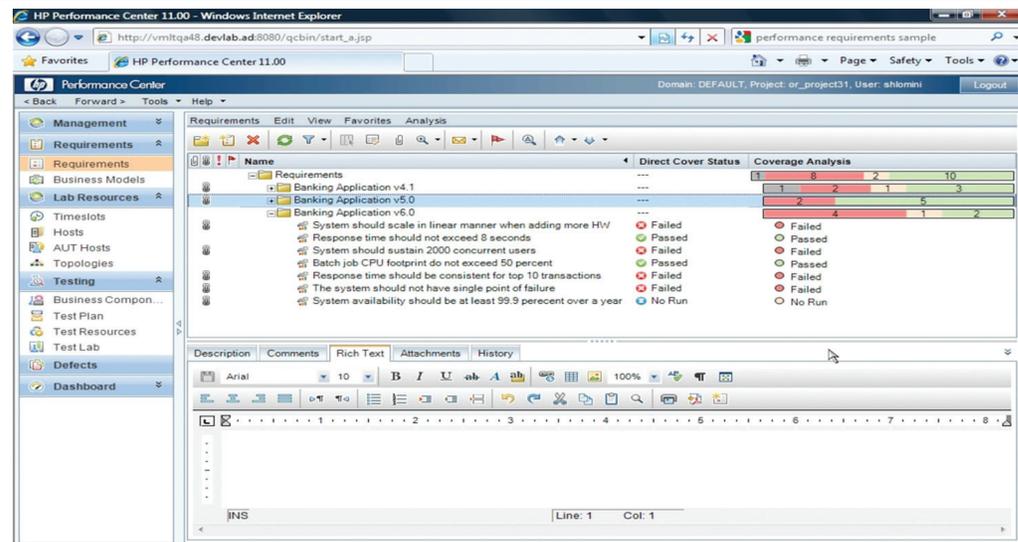
### Increase organizational efficiencies, deliver better quality

In addition to selecting a standard load testing solution, many companies are moving to an IT shared services model, called a performance testing CoE, to increase productivity and standardize processes. The efficiencies gained by creating a CoE with HP Performance Center include increased testing productivity, improved collaboration across application teams, and the ability to outsource some or all of the tactical work of load testing. A CoE facilitates sharing of best practices and skills, and enhances your organizational efficiency by quickly delivering testing capability throughout the enterprise. In short, a CoE model increases your infrastructure and human resources utilization, and eventually drives better quality across the enterprise.

### Support collaboration across the enterprise

Performance testers gain 24x7 Web access to all testing operations, including uploading test scripts, scheduling load tests, creating load test scenarios, running multiple load tests, monitoring test executions,

**Figure 2.** Track the coverage and status of your performance requirements with Performance Center.



and analyzing results. When tests execute, any number of users can remotely observe the test and configure customized views of the application under test. HP Performance Center provides a collaborative infrastructure so that project managers, developers, and performance engineers can all view load testing data, progress, and run information in real time. HP Performance Center increases collaboration within teams with features such as web-based access, asset sharing, project grouping, and version control.

### Perform testing in context of a project

HP Performance Center adds a “project” concept to the load testing process—all load testing goals, scripts, scenarios, results, users, and resources are assigned to and managed in the context of the project. It also supports project-grouping such that smaller projects can inherit assets from larger projects.

Project-level dashboards and business reports provide a clear view of project progress, process, and resources used. Privileged management is role based and per project, allowing users to see and interact with only the projects relevant to them. Resources are allocated per project so that the correct amount of infrastructure is available on demand to the project team. In addition, you can track project progress across releases and over time.

### Use the performance testing model you need

For very large organizations, the best choice may be a hybrid solution: a CoE to focus on the most visible and critical projects in the company, and a standard, shared, testing utility that all other groups can leverage to run their own performance testing efforts for smaller projects. HP Performance Center supports a dual-use model, allowing the CoE to focus

on the larger projects while lending external technical support and other IT services to remote groups or development teams.

### Get robust management

HP Performance Center provides enterprise-level management, including user administration and rights management, role-based privilege management, project-level resource allocation and usage auditing features. HP Performance Center also provides robust systems management to operate, manage, and maintain the load testing infrastructure. In real time, your system administrators can see the operational status of all HP Performance Center resources. In addition, remote patch administration and remote reboot capabilities provide centralized control over a globally distributed load farm.

### Connect across the application lifecycle

#### Platform for developer testing

To enable load testing earlier in the application lifecycle, there are integrations with the leading J2EE, Microsoft® Visual Studio, and Microsoft .NET environments that let you create scripts directly within the IDE, so that developers can participate in the performance testing efforts earlier.

This becomes particularly relevant in the case of agile development. HP Performance Center also gives developers easy access to performance testing resources so that they can test as needed.

In addition, HP Diagnostics Profiler allows developers to view and debug performance issues at the code level within their development environments and desktops.

## Integration with HP Quality Center

As part of the HP Application Lifecycle Management suite, HP Performance Center integrates with HP Quality Center to provide reporting into the quality of an application or project across the entire testing lifecycle. For a single project, you can see the status of the manual, functional, performance, and security tests to determine the exact quality of the application at any given time. Integrated dashboards provide executives with complete visibility into the application.

## Integration with Production

HP Performance Center also has tie-ins to HP Business Availability Center for production monitoring. Scripts built from HP Performance Center can be used for production monitoring within HP Business Availability Center. Similarly, from Real User Monitoring (RUM) component of HP Business Availability Center, a real user session can be converted into a script for performance testing. Also, HP SiteScope as well as HP Diagnostics technologies are shared across HP Performance Center as well as HP Business Availability Center. This helps bridge the gap between testing and operations.

## How HP Performance Center works

Using HP Performance Center's web-enabled user interface, you can concurrently execute and monitor multiple tests from work, home, or schedule them to start unattended. Relevant testing assets, such as test scripts, load test configurations, test data, and analyzed results are stored in HP Performance Center

for easy access, sharing, and reuse.

## Key features and benefits

- Lowers the cost of distributed load testing by providing a solution that can be accessed via the Web, providing 24x7 access to a shared testing infrastructure
- More efficient use of testing assets and pools of licenses
- Provides a platform for running a performance testing CoE or IT shared service
- Provides project-level visibility and collaborative working environment to all members of an application team

## 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](http://www.managementsoftware.hp.com/service)

To access technical interactive support, visit Software Support Online at [www.hp.com/managementsoftware/services](http://www.hp.com/managementsoftware/services)

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](http://www.hp.com/go/swcustomerconnection)

## About HP BTO Application Solutions

HP's application solutions help ensure modernization initiatives deliver business outcome instead of failing under the burden of outdated, legacy delivery mechanisms. Where rival solutions mistake the software development lifecycle for a total picture of the application, HP sees core delivery in the context of the complete application lifecycle—from business idea through retirement. Furthermore, by providing unified management and automation solutions, HP offers customers not simply more tools and integrations but greater simplicity. The result for enterprise application teams is improved predictability, repeatability, quality, and change readiness in both the core and complete lifecycle.

To learn more on how HP Performance Center software can help centralize your testing capabilities to improve the performance of your applications, visit <http://www.hp.com/go/performancevalidation>

Connect with peers and HP Software experts: [www.hp.com/go/swcommunity](http://www.hp.com/go/swcommunity)

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