HP Performance Center
Gain a complete solution to optimize your application performance.

HP Performance Center helps you analyze and validate the performance of your applications against business requirements and mitigate the risk associated with application deployment and upgrades.

BTO: Optimize the business outcome of IT

HP Performance Center is a key component of the HP Business Technology Optimization (BTO) strategy. BTO helps you make sure that every dollar invested in IT, every resource allocated, and every application in development or production meets your business goals.

Unlike software offerings and methodologies that focus only on internal IT processes, HP BTO optimizes the strategic functions between technology and business. Our lifecycle approach enables your organization to align IT with business priorities and to deliver increased value from end to end.

Can you meet your performance optimization challenges?

Today, it's a challenge to keep your mission-critical applications at peak performance and scalability levels as defined by business requirements. You need an effective way to predict system behavior and performance under realistic stress conditions. In addition, when problems or bottlenecks occur, you need a quick way to diagnose and fix root causes.

To address the challenge of application performance, many enterprises over-buy hardware in hopes that robust processing power and throughput capacity will be sufficient to handle peak loads. This is a costly approach, and ultimately might not accomplish what it is intended to do. The answer doesn't lie in more servers, processors and routers.

It lies in a testing solution that enables IT staff to optimize applications based on expected load conditions. And this solution must scale from single projects to a full-scale testing Center of Excellence (CoE) that consolidates hardware, standardizes best practices and leverages global testing resources.
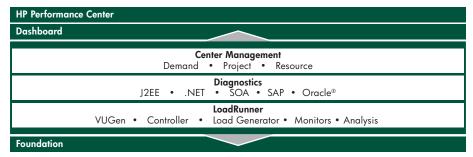
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Using minimal hardware resources, HP Performance Center lowers the cost of distributed load testing by providing a standard solution that can be managed via the web, providing 24x7 access to a shared testing infrastructure.

This integrated performance validation solution emulates hundreds or thousands of concurrent users to apply simulated production workloads to virtually any client platform or environment. Using Performance Center, testing teams can stress an application from end to end—applying consistent, measurable and repeatable loads—and then use the data to identify scalability issues that could impact users. HP Performance Center:

- Lowers the cost of distributed load testing
- Reduces the risk of deploying systems that do not meet your performance requirements

HP Performance Center

Dashboard

Center Management
Demand • Project • Resource

Diagnostics
J2EE • .NET • SOA • SAP • Oracle®

LoadRunner
VUGen • Controller • Load Generator • Monitors • Analysis

Foundation

- Reduces hardware and software costs by accurately predicting system capacity
- Drives productivity by providing one interface between the LOB and center
- Quickly and accurately pinpoints the root cause of application performance problems

HP Performance Center components

HP LoadRunner software is used more than any other testing solution in the world today. Using custom-generated virtual users, it allows you to drive load, diagnose problems and deploy without surprises. As it drives load against the system, HP LoadRunner captures the end-user response times of key business processes and transactions to determine if service-level agreements (SLAs) can be met. Non-intrusive, real-time performance monitors obtain and display performance data from every application tier, server and system component, and diagnostic probes gather code-level data to isolate bottlenecks down to the SQL or method level. This combination of end-user, system-level and code-level visibility dramatically reduces time-to-problem resolution.

HP Diagnostics software, which can be utilized during both load testing and production, isolates application performance problems and reduces the mean time to resolution (MTTR) of your application performance bottlenecks. It provides actionable information to resolve performance problems and complete application visibility across tiers in J2EE, .NET and ERP/CRM environments.

HP Performance Center software is an enterprise-class performance testing platform designed to enable either global standardization and the formation of a performance testing CoE or a performance testing IT shared service. It gives everyone from LOB managers to testers project-level visibility and a collaborative working environment. Efficiencies that arise from centralization and standardization, such as common skills sets, common hardware and licenses, and around-the-clock follow-the-sun usage help IT organizations test effectively at lower cost.

HP Center Management software is an out-of-the-box solution for managing the business of running a performance testing CoE. It gives team members a project management tool for consolidating demand, tracking and managing projects, and requesting and logging performance tests.

Why HP?

HP is ideally positioned to deliver your performance optimization solution. We offer:

Market leadership—We have a 77 percent market share in load and performance testing (Yankee Group, 2005).

A single platform—We offer the market's only performance platform that includes performance validation, optimization and diagnostics capabilities that scale from simple projects to testing CoEs.

A proven solution—HP Performance Center has extremely high brand recognition with thousands of satisfied customers.

To learn more, visit: www.hp.com/go/software

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