



HP Diagnostics software for J2EE

Data sheet



HP Diagnostics software for J2EE provides a top-down, end-to-end lifecycle approach for seamlessly monitoring, triaging and diagnosing critical problems with J2EE and Java™ applications—in both pre-production and production environments.

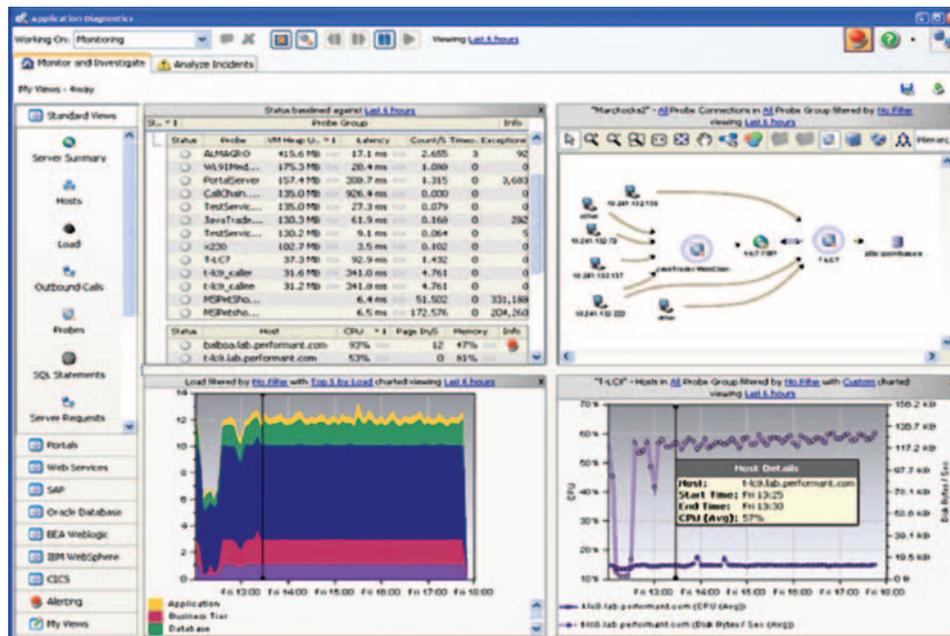
Find and resolve problems across the J2EE application lifecycle

Organizations typically need to deploy mission-critical, J2EE applications as quickly as possible to meet business objectives. However, it is imperative that you determine that these applications are scalable and perform as required before they are deployed to avoid embarrassing and costly issues in production.

At the same time, performance and availability problems in mission-critical, J2EE applications that have already been deployed have business impact and jeopardize service-level agreements (SLAs). The longer it takes to detect, diagnose and resolve these issues, the higher the business impact and the more risk to your business.

Comprehensive visibility into J2EE applications

HP Diagnostics for J2EE provides comprehensive visibility into J2EE applications deployed in heterogeneous composite environments. Out-of-the-box dashboards provide quick time to value.



While these challenges exist in the simplest of environments, the architectural complexity with composite applications is ever increasing and makes monitoring, prioritizing and diagnostics even more difficult if not impossible—sometimes with random outages and no resolution in sight. You need comprehensive capabilities for triaging problems in composite environments—including visibility into BEA WebLogic Portal servers, back-end messaging systems such as MQ and CICS, databases and other J2EE or .NET applications running web services. To increase business availability and manage risk, it's even more important to triage these issues in the context of real-user impact and impact to your business.

HP Diagnostics software for J2EE provides a top-down, end-to-end, comprehensive lifecycle approach for seamlessly managing, monitoring, triaging and resolving critical problems across the J2EE and Java application lifecycle. Performance testing teams, operations, application-support teams and developers can collaborate using a single solution with role-based access to actionable performance data, helping you identify a broad range of problems.

How HP Diagnostics for J2EE works

HP Diagnostics for J2EE starts with the end user (real and synthetic), then drills down into application components, system layers and back-end tiers—helping you rapidly resolve the problems that have the greatest business impact.

HP Diagnostics for J2EE features an application lifecycle probe, or agent, that collects performance, availability and diagnostics data from applications without the need for application source code modification or recompilation. It uses byte-code instrumentation and industry standards for collecting system and JMX metrics. It provides granular metrics, such as CPU time per method, heap dumps, thread dumps, SQL trending and transaction tracing.

You can provision your application with the bundled probe through its lifecycle. This probe works either standalone or integrated with HP quality management and application management solutions, providing consistent views across teams for collaboration.

Extend HP quality management and application management capabilities

HP Diagnostics for J2EE is fully integrated with HP Performance Center software, HP LoadRunner software and HP Business Availability Center software.

HP Diagnostics for J2EE works with HP Performance Center and HP LoadRunner to provide visibility into the end-user experience and application-level performance. The unified solution helps your testers quickly pinpoint performance bottlenecks, allowing them to provide more actionable data to developers. This reduces the time and cost to identify, diagnose and resolve application performance issues—letting you deploy mission-critical applications more quickly to meet business objectives.

HP Diagnostics for J2EE works with HP Business Availability Center to increase the performance and availability of your business-critical applications. The unified solution helps your operations- and application-support teams quickly monitor, triage, diagnose and optimize production applications. It provides teams with visibility across real end-user, business-process, application and back-end system tiers to quickly diagnose problems and resolve incidents. Ultimately, high-performing, mission-critical applications protect SLAs and your bottom line.

Key features and benefits

- Enables low-overhead monitoring, alerts, triage and diagnosis of problems in heterogeneous environments (SOA, web services, Java, J2EE, .NET, SAP, Oracle®, WebSphere, MQ, CICS and other applications) across the lifecycle, 24x7
- Provides monitoring, alerts, triage and diagnosis of problems with databases, including wait-time analysis for Oracle 10g
- Includes shared workspace, annotations, drag-and-drop views and cross-team collaboration
- Automates common tasks for user guidance and includes a production-ready profiler integration
- Supports SQL and method-level trending to monitor SQL and method performance over time
- Results in actionable data for development, such as CPU time by method, heap dump, thread dump, exceptions and advanced instrumentation control
- Includes advanced memory diagnostics, including allocation analysis, heap walker and more
- Contains cross-VM instance tracing across technology stacks (J2EE or .NET)
- Provides built-in reverse proxy and built-in security
- Integrates with HP business technology optimization (BTO) software centers

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.

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A complete solution

Comprehensive training

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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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