HP Diagnostics software for .NET

Data sheet

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

Find and resolve problems across the .NET application lifecycle

Organizations typically need to deploy mission-critical, .NET applications as quickly as possible to meet business objectives. However, you need to determine that these applications are scalable and perform as required before you deploy them to avoid embarrassing and costly issues in production.
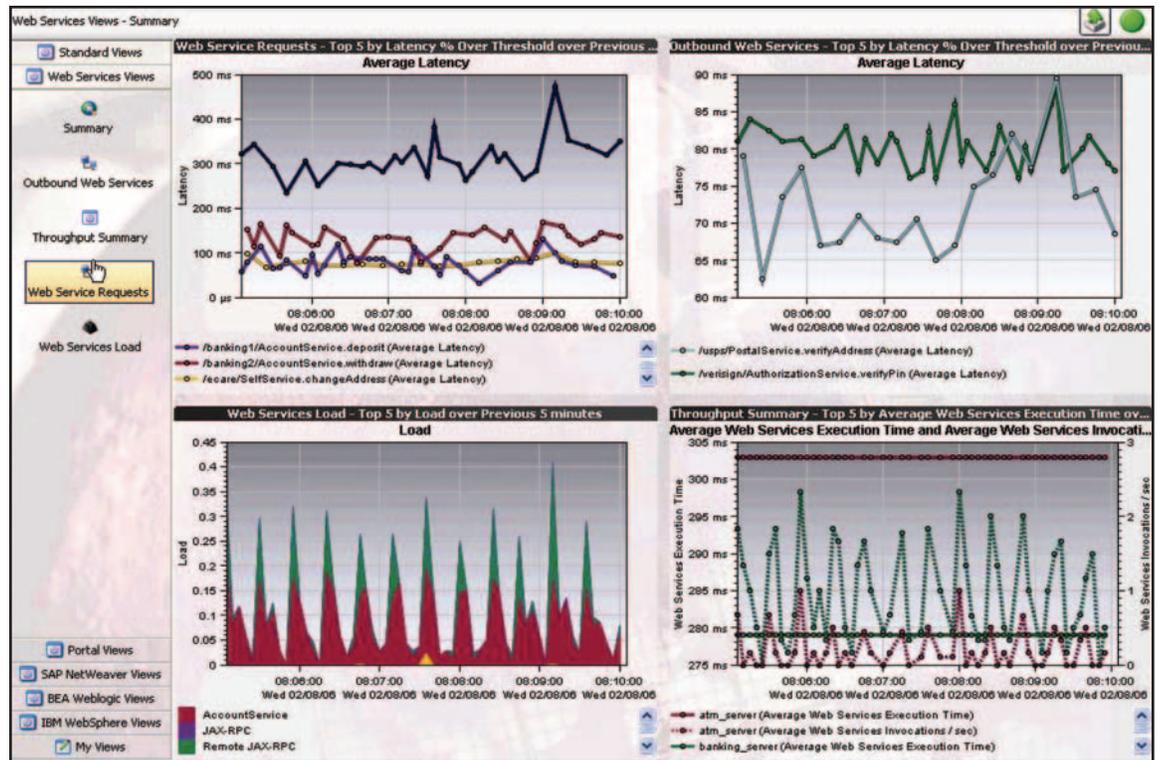
At the same time, performance and availability problems in mission-critical, .NET applications that are already deployed have financial impact and can jeopardize your service-level agreements (SLAs). The longer it takes to detect, diagnose and resolve these issues, the higher the financial and service-level impact.

While these challenges exist in the simplest of environments, the architectural complexity with composite applications is increasing and makes monitoring, triaging and diagnostics even more difficult if not impossible—sometimes with random outages and no resolution in sight.

HP Diagnostics software for .NET provides a top-down, end-to-end, business-process-focused lifecycle approach for managing, monitoring, diagnosing and resolving critical problems across the .NET application lifecycle.

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

Your performance testing teams, operations, application support teams and developers can collaborate using HP Diagnostics for .NET to identify, diagnose and resolve application availability and performance issues for your .NET applications.

How HP Diagnostics for .Net works

HP Diagnostics for .NET starts with the end-user business process, then drills down into application components and system layers—helping you rapidly resolve the problems that have the greatest business impact.

You can use HP Diagnostics for .NET in both pre-production and production environments to find application and configuration-level issues in your .NET environments, down to method and SQL statement levels.
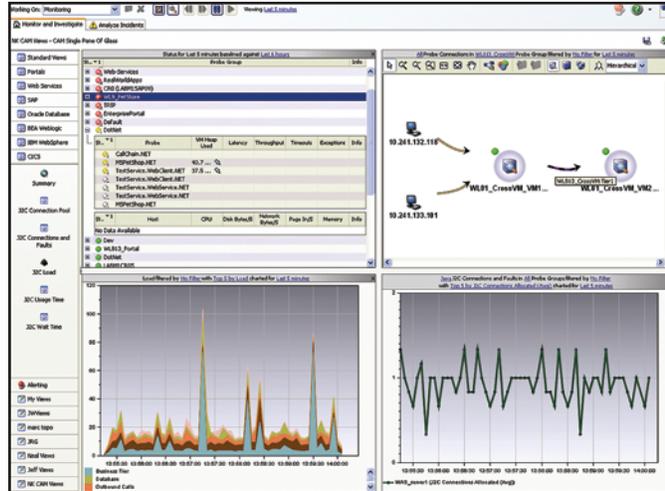
Extend HP application delivery and management capabilities

HP Diagnostics for .NET is fully integrated with HP Performance Center software, HP LoadRunner software and HP Business Availability Center software, giving you a single solution across the application lifecycle.

HP Diagnostics for .NET works with HP Performance Center and HP LoadRunner to provide visibility into the end-user experience and application-level performance and to leverage your existing investments. The diagnostic software helps your testers quickly pinpoint performance bottlenecks, allowing them to provide more actionable data to your 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 your business objectives.

Identify and solve problems quickly
HP Diagnostics for .NET provides an easy-to-use, rich user interface to triage problems quickly.
It offers a single view across .NET, J2EE, web services, CICS, WebSphere MQ, SQL and more.

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

Key features and benefits

• Enables single, low-overhead monitoring, alerting, triage and diagnosis of problems for .NET applications and services across the lifecycle, 24x7

• Includes shared workspace, annotations, drag-and-drop views and incident analysis for cross-team collaboration

• Automates common tasks for user guidance and production-ready profiler integration

• Supports SQL and method-level trending to monitor SQL and method performance over time

• Results in actionable data for root cause analysis, such as CPU time by method, heap dump, thread dump, application exceptions and more

• Includes advanced memory diagnostics, including collection memory diagnostics and heap analysis

• Contains cross-VM instance tracing across technology stacks (.NET to J2EE and vice versa)

• Supports built-in reverse proxy and role-based security and integrates with HP business technology optimization centers

• Supports .NET 1.1, 1.2 and works in concert with J2EE, Java, SAP, MQ and CICS diagnostics for composite applications

• Provides monitoring, alerts, triage and diagnosis of problems with databases, including wait-time analysis for Oracle®

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

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.

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