# Using Diagnostics 8.0

Technical Training On-Demand

## INTENDED AUDIENCE

- Operations managers responsible for managing performance of J2EE or .NET applications
- Application support / Operations Managers / Developers Tier II tasked with being able to triage performance issues to a specific application component or tier
- Developers and architects requiring problem isolation methodologies for drilling down into the core application elements comprising J2EE or .NET environments

## PREREQUISITES

- Administration knowledge of Windows/Unix environments
- Operational knowledge of J2EE or .NET applications infrastructure
- Basic understanding of internetworking and web protocols
- Fundamental understanding of the key components comprising composite applications
- General knowledge of object oriented programming
- Familiarity with network, system and application monitoring concepts

## OVERVIEW

This course introduces HP Diagnostics and teaches the ability to visualize, analyze, and ultimately improve the performance of enterprise applications. The course instructs on installation, configuration, and tuning of the Diagnostics components, as well the use of the Diagnostics Profiler in J2EE/.NET environments. In addition to core capabilities, architecture, and navigation of Diagnostics, this course introduces techniques for performance trending and analysis of complex performance issues and bottlenecks.

## COURSE OBJECTIVES

At the end of the course, you will be able to:

- Leverage HP Diagnostics in performance management of composite application environments
- Perform triage and problem isolation in a J2EE or .NET application environments
- Identify and further drill down following a particular transaction experiencing performance issues
- Understand the concept of instrumentation, its aspects, and overhead.
- Become familiar with HP Diagnostics architecture and integrations

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| **Diagnostics Introduction**<br>• Introduction to the Diagnostics solution<br>• Concepts/Components/requirements |
| **Installation and Configuration**<br>• Basic Diagnostics Server installation<br>• Basic Probe installation<br>• Configuring J2EE common application servers<br>• Configuring .NET applications |
| **Advanced Configuration**<br>• Product Demo<br>• Custom Instrumentation |
| **Planning for Deployment**<br>• Enterprise Considerations and Planning |
| **Diagnostics Views**<br>• Navigating the Enterprise UI<br>• SOA Views in Diagnostics |


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