About this course

IBM

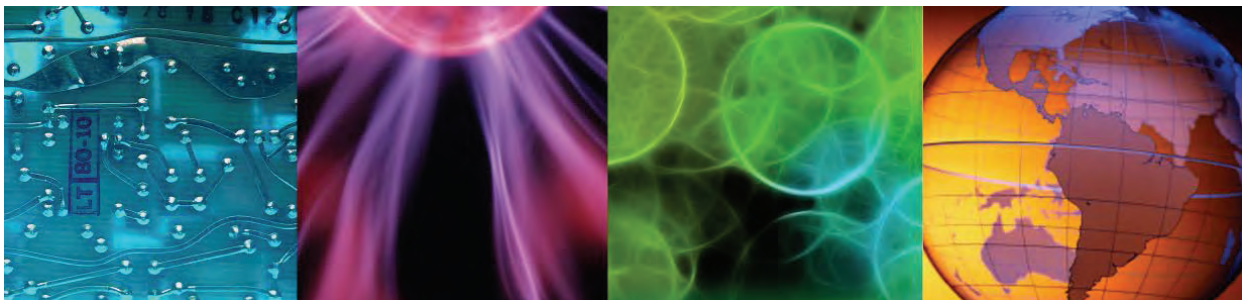## IBM Advanced Performance Monitoring and Application Diagnostics Fundamentals

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This course covers the key features of IBM Application Diagnostics, including installation, configuration, resource monitoring, and transaction diagnosis. Exercises will be carried out for a WebSphere Application Server and Node.js agents. All other domains will be covered using slides.For information about other related courses, visit the Cloud & Smarter Infrastructure education training paths website:

ibm.com/software/software/tivoli/education/

	Details
Delivery method	Self-paced virtual classroom (SPVC)
Course level	ERC 1.0
	This course is a new course.
Product and version	IBM Monitoring, Application Performance Management, Application Diagnostics 8.1.1
Duration	1 day
Skill level	Intermediate

About the student

This course is designed for application-monitoring specialists and technical sales personnel.

Before taking this course, make sure that you have the following skills:

- Familiarity with application server monitoring

- Familiarity with the Performance Management Console

- Familiarity with the Tivoli Enterprise Portal

Before taking this course make sure that you have taken the following courses

- IBM Monitoring 8.1.1 Implementation and Administration (TM065)

- InterConnect 2015 CAP-3630: Introduction to Application Performance Management (recommended but not required)

Learning objectives

Objectives

In this course, you learn to perform the following tasks:

- Describe the IBM Application Diagnostics architecture.

- Install and configure IBM Application Diagnostics agents.

- Describe the features of the four supported IBM Application Diagnostics agents.

- Navigate the Performance Management Console to monitor diagnostic dashboards and transaction topologies.

Course agenda

The course contains the following units:

1. Technical Overview of IBM Performance Management and Application Diagnostics

   The first presentation is technical overview of IBM® Performance Management and Application Diagnostics.

   In this lab session, you install and configure Application Performance Management agents for DB2®, HTTP, the Linux operating system, WebSphere®, Response Time, HTTP, and Node.js.

2. Installing and configuring the environment

   This section describes the process of deploying the IBM Application Diagnostics solution.

   In this lab session, you use IBM Application Performance Management to monitor WebSphere.

3. Agent details

   The third presentation is a technical overview of IBM Performance Management with a focus on IBM Application Diagnostics.

   In this lab session, you use IBM Application Performance Management to monitor Node.js. Node.js is a software platform that employs JavaScript for server-side solutions, these solutions are often used for receiving and responding to HTTP requests. The Node.js agent can be used to measure and collect data about the performance of Node.js applications. For example, throughput and response times for HTTP requests, and other measurements that relate to resource usage, are monitored and stored for display and analysis.

4. Transaction monitoring

   The fourth presentation is an overview of the transaction monitoring features of IBM Application Diagnostics.

   In addition to resource monitoring, IBM Application Diagnostics supports method traces and transaction topologies.