

WebSphere Application Server V7 Administration (Windows/Unix/Linux) (WA370GB)



Course Duration: 5 days

Audience

This course is designed for administrators who install, configure, and manage Web-based applications on WebSphere Application Server. Web masters, lead application developers, and application architects may also find this course beneficial.

Pre-requisites

- An understanding of basic Internet concepts
- Experience using a Web browser
- Administration skills for a Web server, such as IBM HTTP Server or Apache
- Basic operational skills for the Windows XP operating system

Objective

- Relate WebSphere Application Server to the WebSphere family of products
- Describe the features and standards in WebSphere Application Server V7
- Describe the architectural concepts related to WebSphere Application Server
- Install and configure WebSphere Application Server V7
- Explain the basic concepts of the Java Platform, Enterprise Edition (Java EE 5) platform
- Assemble and install server-side Java enterprise applications
- Use WebSphere administrative tools to configure and manage enterprise applications
- Use the wsadmin scripting library
- Configure WebSphere Application Server security
- Deploy applications in clustered environments
- View performance information about server and application components
- Use problem determination tools and log files to troubleshoot problems
- Configure messaging with the service integration bus

Topics to be covered:

- Course introduction
- WebSphere product family overview
- WebSphere Application Server architecture - standalone
- WebSphere Application Server architecture - federated
- WebSphere Application Server installation
- Exercise: Installing WebSphere Application Server
- Exercise: Installing IBM HTTP Server
- Exercise: WebSphere Information Center installation (optional)
- WebSphere Application Server administrative console
- Exercise: Exploring the WebSphere Application Server administrative console
- Java EE 5 overview for administrators
- Application assembly
- Introduction to the Trade family of applications
- Application installation
- Exercise: Assembling an application
- Exercise: Installing an application
- Problem determination
- Exercise: Problem determination
- Command-line administration, scripting, and automation
- Exercise: Using wsadmin
- Federating a cell
- Exercise: Creating a federated cell
- Workload management
- Exercise: Clustering and workload management
- Introduction to WebSphere messaging
- Exercise: Configuring the Service Integration Bus
- Centralized installation (optional)
- Security and auditing
- Exercise: Configuring WebSphere security, including fine-grained administrative access
- Exercise: Configuring application security
- Exercise: Configuring SSL for WebSphere
- Exercise: Auditing (optional)
- Performance monitoring
- Exercise: Using the performance monitoring tools
- Flexible management (optional; includes demonstration)
- Course summary