



IBM WebSphere Application Server V7 Administration on Windows
Information

Length:	5.0 Days
Ref:	WA370G-X
Delivery method:	ClassroomInstructor Led Online
Price:	SGD

Overview

An updated version of this course is available. For more information, click *WebSphere Application Server V8 Administration for Windows (WA380)*.

This 5-day instructor-led course teaches students the skills needed to install and administer IBM WebSphere Application Server V7. As the latest release of WebSphere Application Server, Version 7 offers users enhanced support for standards, emerging technology, and a choice of development frameworks.

In this course, students learn how to install, configure, and maintain IBM WebSphere Application Server V7 base and Network Deployment (ND), and to deploy enterprise Java applications in a single machine or clustered configuration. In addition, students learn how to work with features new to WebSphere Application Server V7, such as flexible management, business-level applications, administrative console extensions, security enhancements, and the centralized installation manager. Optional units cover topics such as centralized installation and auditing.

Throughout the course, hands-on exercises and demonstrations reinforce lecture content. Students gain practical experience with WebSphere Application Server V7 by performing tasks such as installing and assembling applications, using properties file-based configuration, applying problem determination techniques, and working with fine-grained administrative security.

Public

This intermediate 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.

Prerequisites

Students should have:

- 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

- 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