



IBM WebSphere Application Server V7 Administration on AIX Information

Length:	5.0 Days
Ref:	WA170G-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 AIX (Remote Classroom) (WA180)*.

This 5-day instructor-led course teaches you how to install and administer IBM WebSphere Application Server V7. WebSphere Application Server Version 7 offers enhanced support for standards, emerging technology, and a choice of development frameworks.

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

Hands-on exercises and demonstrations are provided throughout the course, covering topics such as using properties file-based configuration, troubleshooting, and configuring fine-grained administrative security. These lab exercises are designed to reinforce lecture content, and allow you to gain practical experience by utilizing their knowledge of these features.

For information on other related WebSphere courses, visit the WebSphere Education Training Paths Web site:

<http://www.ibm.com/software/websphere/education/paths/>

Public

This intermediate course is 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

You 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 AIX operating system

Objective

- Describe how WebSphere Application Server fits into 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 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 (Windows and Linux only)
- 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