

WebSphere Application Server V8.5.5 Administration

Duration: 5 Days · **Training format:** Virtual Classroom / Online

Description

This course teaches you the skills that are needed to install and administer IBM WebSphere Application Server V8.5.5. This release offers users enhanced support for standards, emerging technology, and a choice of development frameworks.

In this course, you learn how to install, configure, and maintain IBM WebSphere Application Server V8.5.5 base, Network Deployment (ND), and the Liberty profile. You learn how to deploy enterprise Java applications in a single computer or clustered configuration. In addition, you learn how to work with features of WebSphere Application Server V8.5.5, such as IBM Installation Manager, WebSphere Customization Toolbox, security enhancements, Intelligent Management, and centralized installation.

Throughout the course, hands-on exercises and demonstrations reinforce lecture content and give you practical experience with WebSphere Application Server V8.5.5. You complete tasks such as installing and assembling applications, applying problem determination techniques, configuring a clustered environment, and working with fine-grained administrative security.

Delegates will learn how to

- Relate WebSphere Application Server to the WebSphere family of products
- Describe the features and standards in WebSphere Application Server V8.5.5
- Describe the architectural concepts that are related to WebSphere Application Server
- Install and configure WebSphere Application Server V8.5.5
- Install and configure IBM HTTP Server (IHS)
- Assemble and install server-side Java enterprise applications
- Use WebSphere administrative tools to configure and manage enterprise applications
- Use wsadmin scripting
- 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
- Describe Intelligent Management features

- Describe WebSphere Batch features
- Describe the Liberty profile
- Install and configure the Liberty profile

Audience

This intermediate course is designed for administrators who install, configure, and manage web-based applications on WebSphere Application Server. Web administrators, lead application developers, and application architects can also benefit from this course.

The course is applicable to users running WebSphere Application Server on various platforms including IBM i systems.

Outline

Course introduction

WebSphere product family overview

WebSphere Application Server architecture - stand-alone

WebSphere Application Server architecture - federated

IBM Installation Manager

WebSphere Application Server installation

Web server installation

WebSphere Application Server administrative console

Introduction to the PlantsByWebSphere application

Application assembly

Application installation

Problem determination

Introduction to wsadmin and scripting

Federating a cell

Workload management

Introduction to WebSphere Messaging

Job manager and Centralized Installation Manager

Demonstration: Using the job manager

Overview of Intelligent Management

WebSphere security

Overview of the Liberty profile

Performance monitoring

WebSphere Batch

Course summary

Prerequisites

Basic operational skills for the Linux operating system.