Faysal Aziz

IBM WebSphere App Server

One-day training outline for technology transfer

FA-0247 · One-day

DevOps, Cloud & Infrastructure

Introduction

This one-day IBM WebSphere Application Server training embarks on a journey to understand the intricacies of one of the most powerful application servers in the industry. Whether you're aiming to enhance your current skills or simply looking to review your knowledge, this training is designed to equip you with a practical skills in managing and deploying applications using WebSphere.

Learning outcomes

By the end of this training, you will be able to:

1. Understand the core components and architecture of WebSphere Application Server.
2. Install and configure WAS for different environments.
3. Deploy, manage, and troubleshoot applications on WAS.
4. Configure and manage security settings within WAS.
5. Apply best practices for performance tuning and maintenance.

Prerequisites

Before attending this training, participants should have:

1. A basic understanding of Java Enterprise Edition (Java EE) concepts and architecture.
2. Familiarity with server and network concepts.
3. Basic experience with IBM WebSphere.
4. Basic explorer to IBM DataStage and / or IBM’s Cloud services.

   A laptop or computer with:

1. At least 16GB RAM
2. 100GB of free disk space
3. An installed version of WebSphere Application Server (installation guidance can be provided before the session).

Training outline

1. Introduction to WebSphere Application Server

1. Overview and Benefits of WAS
2. Understanding the Architecture: Profiles, Nodes, and Servers

2. Installation and Configuration

1. Installing WebSphere Application Server
2. Creating and Configuring Profiles
3. Navigating the Administrative Console

3. Application Deployment

1. Packaging Applications for WAS
2. Deploying and Managing Applications
3. Understanding Deployment Descriptors and Bindings

4. Server Administration

1. Server Types and Their Roles
2. Managing Server Lifecycle
3. Scripting and Automation with wsadmin

5. Clustering and Load Balancing

1. Concepts of Clustering in WAS
2. Creating and Managing Clusters
3. Configuring Load Balancing and Failover

6. Security Configuration

1. Overview of WAS Security Architecture
2. Configuring User Repositories and Authentication
3. Implementing SSL and Secure Communications

7. Performance Monitoring and Tuning

1. Basics of Performance Monitoring
2. Tools and Techniques for Performance Tuning
3. Identifying and Resolving Common Performance Bottlenecks

8. Troubleshooting and Maintenance

1. Log Files and Troubleshooting
2. Applying Patches and Maintenance
3. Backup and Recovery Strategies

9. Best Practices and Resources

1. Recommended Practices for Deployment and Management
2. Useful Resources for Continuous Learning

Remember, this training is designed to provide a comprehensive understanding of IBM WebSphere Application Server in a condensed time frame for the purpose of technology transfer. Engage, ask questions, and make the most of this learning opportunity!

© 2026 Faysal Aziz · Kuala Lumpur