

OWS12c: Oracle WebLogic Server 12c: Administration I

Course Code: OWS12c

Duration: 5 days

Instructor-led Training (ILT) | Virtual Instructor-led Training (VILT)

OVERVIEW

This training will teach students about configuration of WebLogic Server's authentication provider and create a WebLogic Server domain. After completing this course, students will also learn how to back up a WebLogic Server Domain and restore a WebLogic Server Domain. This course is best suited Technical Administrators, Java EE Developers, and System Administrators.

SKILLS COVERED

Upon Completion of this Course, you will accomplish following:-

- Comprehend how to set up WebLogic Server.
- Comprehend how to scrutinize domain resources.
- Comprehend how to build database resources.
- Comprehend how to set up and employ node manager.
- Comprehend how to examine domain resources.
- Comprehend how to build a cluster.
- Comprehend how to deploy applications.
- Comprehend how to build a domain.
- Comprehend how to start servers.
- Comprehend how to manage WebLogic Server.
- Comprehend how to deploy applications.

- Comprehend how to build WebLogic Server.

WHO SHOULD ATTEND?

Anyone who are interested

PREREQUISITES

Familiarity with unix is recommended but not required.

MODULES

Module 1: WebLogic Server Overview

- WebLogic Server Architecture
- Application Services
- Administration Tools
- Java Cloud Service

Module 2: Installing and Patching WebLogic Server

- Installing WebLogic Server
- Patching WebLogic Server
- Zero Downtime Patching

Module 3: Creating Domains

- Domain Planning
- Domain Modes
- Domain Creation Tools
- Domain Templates
- Using the Configuration Wizard
- Multitenancy concepts

Module 4: Starting Servers

- Server Lifecycle
- Starting and Stopping Servers
- Domain scripts
- Customizing Domain Scripts
- Restarting Failed Servers

Module 5: Using the Administration Console

- Using the Administration Console for Configuration
- Change Management Architecture
- Creating and Modifying Managed Servers
- Enterprise Manager Cloud Control

Module 6: Configuring JDBC

- JDBC Review
- Datasource Types
- Configuring a JDBC Data Source
- JDBC and RAC
- Connection Pools

Module 7: Monitoring a Domain

- Working with WebLogic Server Logs
- Monitoring WebLogic Server
- JMX, MBeans and Monitoring
- Monitoring Dashboards

Module 8: Node Manager

- Node Manager Concepts
- Configuring and Using Node Manager
- Node Manager Setup Tasks
- Node Manager and Scripting
- Node Manager Best Practices

Module 9: Deploying Applications

- Deployment Overview and Lifecycle
- Deployment Descriptor Concepts
- WebLogic Deployment Tools
- Deploying an Application
- Load Testing an Application

Module 10: Network Channels and Virtual Hosts

- Configuring a Network Channel
- Configuring the Admin Port

- Creating a Virtual Host

Module 11: Clusters: Overview, Create, & Config

- Clustering Review
- Configuring a Cluster
- Configuring a Dynamic Cluster

Module 12: Clusters: Proxies & Sessions

- Web-tier and Cluster Proxies
- Oracle Traffic Director and Oracle HTTP Server
- Configuring a Cluster Proxy
- Configuring Replication Groups

Module 13: Clusters: Communication, Planning & Troubleshooting

- Cluster Communication Concepts
- Multicast and Unicast
- Replication Channels
- Scaling and Troubleshooting Clusters

Module 14: Transactions

- Transaction Overview
- Configuring Transaction Persistence
- Transaction Logs
- Transactions and Persistent Stores
- Monitoring Transactions

Module 15: WebLogic Server Security

- WebLogic Security Architecture
- Configuring an Authentication Provider
- LDAP Authentication
- Troubleshooting Authentication

**Module 16: Backing Up a Domain and
Upgrading WebLogic Server**

- Backup/Recovery Concepts
- Backup Types
- Backing Up and Restoring a Domain

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