Oracle WebLogic Server 12c: Administration I

Duration: 5 Days

What you will learn

This Oracle WebLogic Server 12c: Administration I training teaches you how to install and configure Oracle WebLogic Server 12c. It gives administrators an overview of the basic concepts and architecture of WebLogic Server.

Learn how to:

Install, configure, and administer Oracle WebLogic Server.

Monitor domain resources.

Deploy applications.

Create a domain.

Start servers.

Monitor domain resources.

Set up and use node manager.

Deploy applications.

Configure database resources.

Configure a cluster.

Benefits to You

After taking this course, you'll be able to improve the performance and scalability of your organization's applications and services with the #1 application server. You'll simplify deployment and significantly improve time-to-market.

Audience
Developer
J2EE Developer
System Administrator
Systems Architects
Technical Administrator

Related Training

Suggested Prerequisites
Some experience using basic Linux commands

Some system administration experience

Course Objectives
Deploy applications to WebLogic Server

Page 1

Backup and restore a WebLogic Server domain

Create a WebLogic Server domain

Configure and monitor WebLogic Server

Configure WebLogic Server database resources

Create and configure a WebLogic Server cluster

Install WebLogic Server 12c

Configure WebLogic Server's authentication provider

Course Topics

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

Installing and Patching WebLogic Server
Installing WebLogic Server
Patching WebLogic Server
Zero Downtime Patching

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

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

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

Configuring JDBC
JDBC Review

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

Monitoring a Domain
Working with WebLogic Server Logs
Monitoring WebLogic Server
JMX, MBeans and Monitoring
Monitoring Dashboards

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

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

Network Channels and Virtual Hosts
Configuring a Network Channel
Configuring the Admin Port
Creating a Virtual Host

Clusters: Overview, Create, & Config
Clustering Review
Configuring a Cluster
Configuring a Dynamic Cluster

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

Clusters: Communication, Planning & Troubleshooting
Cluster Communication Concepts
Multicast and Unicast
Replication Channels
Scaling and Troubleshooting Clusters

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

Monitoring Transactions

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

Backing Up a Domain and Upgrading WebLogic Server
Backup/Recovery Concepts
Backup Types
Backing Up and Restoring a Domain