

Oracle WebLogic Server 12c: Administration I

Duration: 5 Days

What you will learn

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

Learn To:

- Install Oracle WebLogic Server.
- Configure Oracle WebLogic Server.
- 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

By investing in this course, you'll improve the performance and scalability of your organization's applications and services with the #1 application server. Simplify deployment and significantly improve time-to-market.

Java EE Developer
System Administrator
Technical Administrator

Related Training

Suggested Prerequisites

Some experience using basic Linux commands

Some system administration experience

Course Objectives

Configure WebLogic Server's authentication provider

Deploy applications to WebLogic Server

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

Course Topics

WebLogic Server Overview

Defining WebLogic Server Terms

Listing WebLogic Server Tools

Describing Basic WebLogic Server Architecture

Installing and Patching WebLogic Server

Determining Supported Configurations

Installing WebLogic Server 12c

Applying a Patch to WebLogic Server

Creating Domains

Describing a Domain Configuration

Creating a Domain with the Configuration Wizard

Configuring Domain Resources While Creating a Domain

Moving a Domain to Another Computer

Starting Servers

Starting and Stopping Server with Standard Scripts

Dealing with Startup Problems

Customizing Standard Start Scripts

The Administration Console

Accessing the Administration Console

Creating and Configuring Servers by using the Admin Console

Configuring JDBC

Configuring JDBC Generic Data Sources

Configuring GridLink Data Sources

Performing Basic Data Source Connection Pool Tuning

Monitoring a Domain

Configuring and Accessing Server Logs

- Enabling Debugging Output
- Monitoring Server Health and Performance
- Monitoring JDBC Data Sources
- Viewing Diagnostic Charts by using the Monitoring Dashboard

Node Manager

- Describing the WebLogic Server Node Manager Utility
- Configuring WebLogic Server Machines
- Setting Up and Configuring Node Manager
- Starting WebLogic Server through Node Manager

Deploying Applications

- Deploying Applications to WebLogic Server
- Testing Deployed Applications
- Monitoring Deployed Applications
- Stress Testing WebLogic Server

Clusters

- Planning for a WebLogic Server Cluster
- Creating and Configuring a WebLogic Server Cluster
- Creating and Configuring a WebLogic Server Dynamic Cluster
- Configuring Oracle HTTP Server as a WebLogic Server Cluster Proxy
- Debugging Cluster Errors

Transactions

- Describing the WebLogic Server Transaction Architecture
- Configuring a Database as the Persistent Store for WebLogic Server Transactions

WebLogic Server Security

- Describing the WebLogic Server Security Architecture
- Configuring an External LDAP Product as the WebLogic Server Authentication Provider

Backing Up and Restoring a Domain

- Backing Up a WebLogic Server Domain
- Restoring a WebLogic Server Domain

Related Courses

- Oracle Database 12c: New Features for Administrators NEW
- Oracle Database 12c: Administration Workshop NEW