

## 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