

## Oracle WebLogic Server 12c: Administration I

**Duration:** 5 Days

### What you will learn

This course teaches students 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.

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  
Oracle Database 12c: Administration Workshop