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

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