

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