

Oracle WebLogic Server 12c: Administration II

Duration: 5 Days

What you will learn

This course is a continuation of Oracle WebLogic Server 12c: Administration I. It teaches you how to perform important administrative tasks, employing best practices that enable you to make the most of your WebLogic applications.

Learn how to:

- Upgrade WebLogic products without disrupting client applications
- Create and use domain templates
- Deploy shared libraries and applications using advanced deployment techniques
- Configure advanced JDBC features
- Create and run WLST scripts
- Configure and use Coherence*Web and managed Coherence servers

Benefits to You

Increase the reliability, availability, scalability, and performance (RASP) of your organization's applications and services with the #1 application server. Take advantage of WebLogic Server features to maximize the effectiveness of your enterprise.

Oracle WebLogic Server Domain Management Tasks

This course trains administrators in WebLogic Server administrative tasks related to managing the day to day operations of running applications, including performing rolling upgrades, creating and using domain templates, configuring automatic crash recovery, and creating and running WebLogic Scripting Tool (WLST) scripts.

Oracle WebLogic Server Deployment Tasks

This course trains administrators in WebLogic Server administrative tasks related to real-world management of application deployments, including using deployment modes, creating and using deployment plans, deploying shared libraries, and deploying versioned applications and libraries.

Oracle WebLogic Server Subsystem Administration Tasks

This course trains administrators in WebLogic Server administrative tasks. These tasks are related to WebLogic infrastructure features, including creating and using work managers, managing data sources, using multi data sources, configuring WebLogic security artifacts, configuring SSL for WebLogic Server, configuring automatic JTA service migration, configuring and using the WebLogic Diagnostic Framework (WLDF), configuring Coherence*Web for HTTP session persistence and configuring managed Coherence servers.

Administrator
Java EE Developer
Security Administrators
System Administrator
Technical Administrator

Technical Consultant
Web Administrator

Related Training

Suggested Prerequisites

Some experience using basic Linux commands

Some system administration experience

Course Objectives

Configure Coherence features

Perform a rolling upgrade of WebLogic Server

Write and run WLST scripts

Deploy shared libraries and applications using deployment plans and versioning

Configure SSL for WebLogic Server

Configure WebLogic features including domain templates, system start up, crash recovery, work managers, multi data sources, security policies, and automatic JTA migration

Course Topics

WebLogic Server Review

WebLogic Server: Overview

WebLogic Server Domain

Administration Server and Managed Servers

Machines, Node Manager, and Clusters

Start Scripts

WebLogic Tools: Administration Console and WLST

Deployment

Upgrading WebLogic Server

Upgrade definition

Rolling Upgrade

Rolling Upgrade Process

Creating and Using Domain Templates

Domain Template Review

Domain Template Concepts

Extension Template Concepts

Custom Templates

WebLogic Server Startup and Crash Recovery

Node Manager Review
Configure Node Manager to Start on System Boot
Server Automatic Crash Recovery Restart

WebLogic Scripting Tool (WLST)

Jython Concepts
WLST Concepts
Java Management eXtension (JMX) Concepts
Common WLST Tasks
Fusion Middleware (FMW) Commands

Secure Sockets Layer (SSL)

SSL Concepts
WebLogic SSL Scenarios
Keystores
Configuring WebLogic SSL

Application Staging and Deployment Plans

Java EE Applications Review
Server Staging Modes
Deploying an Application to Multiple Environments
Java EE Deployment Descriptors and Annotations
Deployment Plans
Deployment Plan Tools

Shared Java EE Libraries

Shared Java EE Library Concepts
Deploying a Shared Library

Production Redeployment

HTTP Sessions and Redeployment
Redeployment Strategies
Production Redeployment
Application Versioning
Requirements and Restrictions

Application Work Managers

Default WebLogic Request Handling
Work Manager Concepts
Creating a Work Manager

Managing Data Sources

JDBC Review
Managing Data Sources
GridLink Data Source Review
Multi Data Sources
Connection Testing Review
Creating a Multi Data Source

Working with the Security Realm

Security Review
The Embedded LDAP Authentication and Authorization System

Configure Auditing

High Availability, Migration, and Disaster Recovery

Disaster Recovery

Backup the Administration Server

Service-Level Migration

Automatic JTA Service Migration

Whole Server Migration Overview

Diagnostic Framework

General Architecture

Diagnostic Images

Harvesters

Watches and Notifications

Coherence

Coherence Overview

Coherence*Web Session Persistence

Managed Coherence Servers

Related Courses

Oracle Database 12c: Administration Workshop