

Oracle WebLogic Server 12c: Administration II

Duration: 5 Days

What you will learn

This Oracle WebLogic Server 12c: Administration II training 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 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.
- Interact and manage WLS using REST.
- Configure and use Coherence*Web and managed Coherence servers.
- Create and work with simple domain partitions.

Benefits to You

Taking this course will help you increase the reliability, availability, scalability, and performance (RASP) of your organization's applications and services with the #1 application server. You'll be better equipped to 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

Administrators will learn how to perform 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.

Audience

Administrator
Java EE Developers
Security Administrators
System Administrator
Technical Administrator
Technical Consultant
Web Administrator

Related Training

Required Prerequisites

WebLogic Admin I

Oracle WebLogic Server 12c: Administration I

Suggested Prerequisites

Experience using basic Linux commands

System administration experience

Course Objectives

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

Configure Coherence features

Perform a rolling upgrade of WebLogic Server

Write and run WLST scripts

Course Topics

Course Overview

Objectives
Prerequisites
Schedule

WebLogic Server Review

WebLogic Server: Overview

WebLogic Server Domain

Administration Server and Managed Server

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 Recover

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

WebLogic Server and REST

WLS and REST

Accessing WLS via REST

WLS REST Operations

Secure Sockets Layer (SSL)

SSL Concepts

WebLogic SSL Scenarios

Keystores

Configuring WebLogic SSL

Shared Java EE Libraries

Shared Java EE Library Concepts

Deploying a Shared Library

Application Work Managers

Default WebLogic Request Handling

Work Manager Concepts

Creating a Work Manager

Security Realms

Security Review
Embedded LDAP Authentication System
Configure Auditing

Disaster Recovery and Migration

Disaster Recovery
Backing Up the Administration Servers
Service-Level Migration
Whole Server Migration

Domain Partitions

Introduction to Multitenancy
Working with Domain Partitions

e

Managing Data Sources

General Architecture
Diagnostic Images
Harvesters
Watches and Notifications

Diagnostic Framework

General Architecture
Diagnostic Images
Harvesters
Policies and Actions
Scaling and WLDF

Coherence

Coherence Overview
Coherence*Web Session Persistence
Managed Coherence Servers

(Optional)Application Staging and Deployment Plans

Review
Server staging modes
Deploying an application to multiple environments
Java EE deployment descriptors and annotations
Deployment plans
Deployment plan tools

(Optional)Production Redeployment

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