

Oracle WebLogic Server 12c: Administration II Ed 3

Duración

Días: 5 Días

Horas: 30 horas

Descripción

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.

Objetivos

1. Configure WebLogic diagnostic modules
2. Backup and recover data from various failures
3. Configure JDBC data sources
4. Create users, groups, roles and policies in the embedded LDAP
5. Configure automatic JTA service migration
6. Configure Coherence features
7. Use Deployment Plans to move applications between environments
8. Identify Docker and Kubernetes features and support in WebLogic Server

Requisitos

Required prerequisites

- ✓ Oracle WebLogic Server 12c: Administration I

Suggested prerequisites

- ✓ Experience using basic Linux commands
- ✓ System administration experience

Qué aprenderá

- ✓ Upgrade WebLogic products without disrupting client applications.
- ✓ Create and use domain templates.
- ✓ 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.

A quién se dirige

- Administrator
- Developer
- Implementer
- Systems Administrator

Beneficios

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.

Contenido

1. Course Overview
 - ✓ Objectives
 - ✓ Prerequisites
 - ✓ Schedule
2. 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
3. Upgrading WebLogic Server
 - ✓ Upgrade definition
 - ✓ Rolling Upgrade
 - ✓ Rolling Upgrade Process

4. Creating and Using Domain Templates
 - ✓ Domain Template Review and Concepts
 - ✓ Extension Template Concepts
 - ✓ Custom Templates

5. WebLogic Server Startup and Crash Recover
 - ✓ Node Manager Review
 - ✓ Configure Node Manager to Start on System Boot
 - ✓ Server Automatic Crash Recovery Restart

6. WebLogic Scripting Tool (WLST)
 - ✓ Jython Concepts
 - ✓ WLST Concepts
 - ✓ Java Management eXtension (JMX) concepts
 - ✓ Common WLST tasks

7. WebLogic Server and REST
 - ✓ WLS and REST
 - ✓ Accessing WLS via REST
 - ✓ WLS REST Operations

8. Secure Sockets Layer (SSL)
 - ✓ SSL Concepts
 - ✓ WebLogic SSL Scenarios
 - ✓ Keystores
 - ✓ Configuring WebLogic SSL

9. Application Work Managers
 - ✓ Default WebLogic Request Handling
 - ✓ Work Manager Concepts
 - ✓ Creating a Work Manager

10. Security Realms
 - ✓ Security Review
 - ✓ Embedded LDAP Authentication System
 - ✓ Configure Auditing
 - Work with security roles and policies

11. Disaster Recovery and Migration
 - ✓ Disaster Recovery
 - ✓ Backing Up the Administration Servers
 - ✓ Service-Level Migration

- ✓ Whole Server Migration
Enabling service migration in a WebLogic cluster

12. Managing Data Sources

- ✓ General Architecture
- ✓ Diagnostic Images
- ✓ Harvesters
- ✓ Watches and Notifications

13. Diagnostic Framework

- ✓ General Architecture
- ✓ Diagnostic Images
- ✓ Harvesters
- ✓ Policies and Actions
- ✓ Scaling and WLDF

14. Coherence

- ✓ Coherence Overview
- ✓ Coherence*Web Session Persistence
- ✓ Managed Coherence Servers

15. 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

16. WebLogic, Docker and Kubernetes

17. Production Redeployment

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