

Oracle WebLogic Server 12c: Administration II

Duration:

5 days

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.

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.

Course Objectives

Upon completion of this course, the student should be able 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.

Prerequisites

Required Prerequisites:

- WebLogic Admin I
- Oracle WebLogic Server 12c: Administration I

Suggested Prerequisites:

- Experience using basic Linux commands
- System administration experience

Audience

- Administrator
- Developer
- Implementer
- Systems Administrator

Course Topics

1. Course Introduction

2. WebLogic Server Review

3. Upgrading WebLogic Server

- Practice 3-1: Setting Up the Course Practice Environment
- Practice 3-2: Performing a Rolling Upgrade

4. Creating and Using Domain Templates

- Practice 4-1: Creating and Using a Custom Domain Template

5. WebLogic Server Startup and Crash Recovery

- Practice 5-1: Configuring Automatic Start and Restart of a System

6. WebLogic Scripting Tool (WLST)

- WebLogic Scripting Tool (WLST), Part 1
- WebLogic Scripting Tool (WLST), Part 2
- WebLogic Scripting Tool (WLST), Part 3
- WebLogic Scripting Tool (WLST), Part 4
- Practice 6-1: Creating and Modifying a Domain with WLST
- Practice 6-2: Monitoring a Domain with WLST

7. RESTful Management Services

- Practice 7-1: Creating and Managing Servers Using REST

8. Secure Sockets Layer (SSL)

- Secure Sockets Layer (SSL), Part 1
- Secure Sockets Layer (SSL), Part 1
- Practice 8-1: Setting Up SSL

9. Shared Java EE Libraries

- Practice 9-1: Configuring and Deploying a Shared Library

10. Application Work Managers

- Application Work Managers, Part 1
- Application Work Managers, Part 2
- Practice 10-1: Creating and Using Work Managers

11. Working with the Security Realm

- Working with the Security Realm, Part 1
- Working with the Security Realm, Part 2
- Practice 11-1: Creating Users, Groups, Roles, and Policies
- Practice 11-2: Configuring WebLogic Auditing

12. Disaster Recovery and Migration

- Disaster Recovery and Migration, Part 1
- Disaster Recovery and Migration, Part 2
- Practice 12-1: Configuring JTA Service-Level Migration

13. Domain Partitions

- Domain Partitions, Part 1
- Domain Partitions, Part 2
- Practice 13-1: Creating and Managing Domain Partitions

14. Managing Data Sources

- Managing Data Sources, Part 1
- Managing Data Sources, Part 2
- Practice 14-1: Controlling a Data Source
- Practice 14-2: (optional) Creating and Using a Multi Data Source
- Practice 14-3: (Optional) Creating and Using Proxy Data Sources

15. Diagnostic Framework

- Diagnostic Framework, Part 1
- Diagnostic Framework, Part 2
- Practice 15-1: Using a Built-in Diagnostic Module

16. WebLogic and Coherence Integration

- Practice 16-1: Configuring Coherence Web
- Practice 16-2: Configuring Managed Coherence Servers

17. Application Staging and Deployment Plans

- Application Staging and Deployment Plans, Part 1
- Application Staging and Deployment Plans, Part 2
- Practice 17-1: (Optional) Creating and Using a Deployment Plan

18. Production Redeployment

- Production Redeployment, Part 1
- Production Redeployment, Part 2
- Practice 18-1: (Optional) Using Production Redeployment