

Oracle WebLogic Server 12c: Administration I

Course code: D80149

This Oracle WebLogic Server 12c: Administration I training teaches administrators to install and configure Oracle WebLogic Server 12c and gives administrators an overview of the basic concepts and architecture of WebLogic Server. Increase the performance and scalability of your organization's applications and services with the #1 application server. Simplify deployment and significantly improve time-to-market. This course trains administrators in the most important WebLogic Server administrative tasks. These tasks include creating a domain, starting servers, monitoring domain resources, setting up and using Node Manager, deploying applications, configuring database resources, configuring a cluster and more.

What we teach you

- 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

Required skills

- Some system administration experience
- Some experience using basic Linux commands

Teaching methods

Expert instruction with practical examples, computer practice

Oracle Training Formats

Training on Demand, one of the most popular learning formats, allows students to learn whenever they need (24/7, 90 days). These video recorded courses are led by TOP instructors. Other learning formats are traditional in-class training, Live Virtual Class, or Self-Study Courses. Read more [here](#).

Teaching materials

The student materials include comprehensive courseware and other necessary materials for this class. All reading materials are in English.

Course outline

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

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- 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

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