

Oracle WebLogic Server 12c: Administration I Ed3

Duración

Días: 5 Días

Horas: 30 horas

Descripción

This Oracle WebLogic Server 12c: Administration I training teaches you how to install and configure Oracle WebLogic Server 12c. It gives administrators an overview of the basic concepts and architecture of WebLogic Server.

Qué aprenderá

- Install, configure, and administer Oracle WebLogic Server.
- Monitor domain resources.
- Deploy applications.
- Create a domain.
- Start servers.
- Monitor domain resources.
- Set up and use node manager.
- Deploy applications.
- Deploy share libraries and associated applications
- Configure database resources.
- Configure a cluster.

Objetivos

1. Install WebLogic Server 12c
2. Deploy applications to WebLogic Server
3. Deploy share libraries and application that use them to WebLogic Server
4. Backup and restore a WebLogic Server domain
5. Create a WebLogic Server domain
6. Configure and monitor WebLogic Server
7. Configure WebLogic Server database resources
8. Create and configure a WebLogic Server cluster
9. Configure WebLogic Server's authentication provider

A quién se dirige

- Administrator
- Developer
- System Integrator
- Systems Administrator

Beneficios

After taking this course, you'll be able to improve the performance and scalability of your organization's applications and services with the #1 application server. You'll simplify deployment and significantly improve time-to-market.

Requisitos

Suggested prerequisites

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

Contenido

1. WebLogic Server Overview
 - ✓ WebLogic Server Architecture
 - ✓ Application Services
 - ✓ Administration Tools
 - ✓ Java Cloud Service

2. Installing and Patching WebLogic Server
 - ✓ Installing WebLogic Server
 - ✓ Patching WebLogic Server
 - ✓ Zero Downtime Patching

3. Creating Domains
 - ✓ Domain Planning
 - ✓ Domain Modes
 - ✓ Domain Creation Tools
 - ✓ Domain Templates
 - ✓ Using the Configuration Wizard Multitenancy concepts

4. Starting Servers
 - ✓ Server Lifecycle
 - ✓ Starting and Stopping Servers
 - ✓ Domain scripts
 - ✓ Customizing Domain Scripts
 - ✓ Restarting Failed Servers

5. Using the Administration Console
 - ✓ Using the Administration Console for Configuration
 - ✓ Change Management Architecture
 - ✓ Creating and Modifying Managed Servers
 - ✓ Enterprise Manager Cloud Control

6. Configuring JDBC

- ✓ JDBC Review
- ✓ Datasource Types
- ✓ Configuring a JDBC Data Source
- ✓ JDBC and RAC
- ✓ Connection Pools

7. Monitoring a Domain

- ✓ Working with WebLogic Server Logs
- ✓ Monitoring WebLogic Server
- ✓ JMX, MBeans and Monitoring
- ✓ Monitoring Dashboards

8. Node Manager

- ✓ Node Manager Concepts
- ✓ Configuring and Using Node Manager
- ✓ Node Manager Setup Tasks
- ✓ Node Manager and Scripting
- ✓ Node Manager Best Practices

9. Deploying Applications

- ✓ Deployment Overview and Lifecycle
- ✓ Deployment Descriptor Concepts
- ✓ WebLogic Deployment Tools
- ✓ Deploying an Application
- ✓ Load Testing an Application

10. Shared Java EE Libraries

- ✓ Shared Java EE Library Concepts
- ✓ Deploying a Shared Library

11. Network Channels and Virtual Hosts

- ✓ Configuring a Network Channel
- ✓ Configuring the Admin Port
- ✓ Creating a Virtual Host

12. Clusters: Overview, Create, & Config

- ✓ Clustering Review
- ✓ Configuring a Cluster

- ✓ Configuring a Dynamic Cluster

13. Clusters: Proxies & Sessions

- ✓ Web-tier and Cluster Proxies
- ✓ Oracle Traffic Director and Oracle HTTP Server
- ✓ Configuring a Cluster Proxy
- ✓ Configuring Replication Groups

14. Clusters: Communication, Planning & Troubleshooting

- ✓ Cluster Communication Concepts
- ✓ Multicast and Unicast
- ✓ Replication Channels
- ✓ Scaling and Troubleshooting Clusters

15. Transactions

- ✓ Transaction Overview
- ✓ Configuring Transaction Persistence
- ✓ Transaction Logs
- ✓ Transactions and Persistent Stores
- ✓ Monitoring Transactions

16. WebLogic Server Security

- ✓ WebLogic Security Architecture
- ✓ Configuring an Authentication Provider
- ✓ LDAP Authentication
- ✓ Troubleshooting Authentication

17. Backing Up a Domain and Upgrading WebLogic Server

- ✓ Backup/Recovery Concepts
- ✓ Backup Types
- ✓ Backing Up and Restoring a Domain