Oracle WebLogic Server 12c: Administration I Ed2

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.
- Configure database resources.
- Configure a cluster.

Objetivos

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

A quién se dirige

- Developer
- J2EE Developer
- System Administrator
- Systems Architects
- Technical 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. Network Channels and Virtual Hosts
    - Configuring a Network Channel
    - Configuring the Admin Port
    - Creating a Virtual Host

11. Clusters: Overview, Create, & Config
    - Clustering Review
    - Configuring a Cluster
    - Configuring a Dynamic Cluster

12. Clusters: Proxies & Sessions
    - Web-tier and Cluster Proxies
    - Oracle Traffic Director and Oracle HTTP Server
    - Configuring a Cluster Proxy
    - Configuring Replication Groups

13. Clusters: Communication, Planning & Troubleshooting
    - Cluster Communication Concepts
    - Multicast and Unicast
    - Replication Channels
    - Scaling and Troubleshooting Clusters

14. Transactions
    - Transaction Overview
    - Configuring Transaction Persistence
    - Transaction Logs
    - Transactions and Persistent Stores
    - Monitoring Transactions

15. WebLogic Server Security
    - WebLogic Security Architecture
    - Configuring an Authentication Provider
    - LDAP Authentication
    - Troubleshooting Authentication

16. Backing Up a Domain and Upgrading WebLogic Server
    - Backup/Recovery Concepts
    - Backup Types
    - Backing Up and Restoring a Domain