

Oracle WebLogic Server 10g R3 - System Administration



5 jours - 35 heures

Code formation : log-530

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Objectifs

Understand setting up basic security in Oracle WebLogic Server 10g R3 Configure and Manage Cluster using Oracle WebLogic Server 10g R3 Create and manage development, staging, QA, and production environments Manage applications through the entire production lifecycle Ensure quality of service for large scale J2EE applications hosted on Oracle WebLogic Server 10g R3 Install and Configure Oracle WebLogic Server 10g R3 Understand management tools and options for Oracle WebLogic Server 10g R3 Understand basic and advanced application deployment on Oracle WebLogic Server 10g R3 Configure JNDI, JMS, JDBC using Oracle WebLogic Server 10g R3

Participants

Administrateurs Web Consultant Technique Ingénieurs support Responsables des ventes Sales Consultants Security Administrators Support Engineer Technical Consultant Web Administrator

Prérequis

Cours pré-requis conseillé(s) Experience with basic Linux administration and shell commands Basic J2EE concepts

Pédagogie

This course trains system administrators and data center personnel on techniques for installing, configuring, deploying, and securing distributed, clustered applications and systems deployed on Oracle WebLogic Server 10g R3. This training focuses on techniques for building high-availability, clustered configurations to ensure maximum application uptime. Methods for hardening the implementation to provide reliable security are also emphasized. Students will be able to ensure Quality of Service for large scale J2EE applications hosted on Oracle WebLogic Server 10.3. Learn to: Install, Configure and Manage Oracle WebLogic Server 10.3 Understand Deploying application on Oracle WebLogic Server 10g R3 Configure JNDI, JMS, JDBC using Oracle WebLogic Server 10g R3 Understand basics of securing Oracle WebLogic Server 10g R3 Configure and Manage Cluster using Oracle WebLogic Server 10g R3

Profil de l'intervenant

Consultant-formateur expert sur cette thématique. Suivi des compétences techniques et pédagogiques assurée par nos services.

Moyens techniques

Encadrement complet des stagiaires durant la formation. Espace d'accueil, configuration technique des salles et matériel pédagogique dédié pour les formations en centre. Remise d'une documentation pédagogique papier ou numérique à échéance de la formation.

Méthodes d'évaluation des acquis

Exercices individuels et collectifs durant la formation. Evaluation des acquis et attestation de fin de stage adressés avec la facture.

Programme

Install Oracle WebLogic Server Environment

- Explain the motivation behind distributed systems
- List the major components of the J2EE specification
- Know the terminology used throughout the course
- Understand WebLogic Server architecture
- Install and run Oracle WebLogic Server

Advanced Deployment

Configure an application for multiple development environments

Create a deployment plan

Stage a deployment plan

Use Production Redeployment

Introduction to Clustering

Understand the uses of a cluster

Describe the basic cluster architecture

Describe the multi-tier cluster architecture

Understand how clusters communicate

Configuring a Cluster

Prepare your environment for a cluster

Create and configure a cluster

Create and configure a proxy server

Managing Clusters

Deploy applications to a cluster

Manage session state in a cluster

Troubleshoot a cluster

Clustering EJB Objects

Understand EJB clustering capabilities

Configure clusterable EJBs

Understand EJB clustering best practices

Clustering Services

Set up whole server migration

Understand JNDI clustering

Understand JDBC clustering

Migrate a JMS server

Migrate transactions

Configure Oracle WebLogic Server

Explain how the domain works

Describe the domain directory structure

Configure a domain

Start or stop the Oracle WebLogic Server

Configure Managed Servers

Start Managed Servers

Explain administration and Managed Server independence

Create custom domain template

Managing and Monitoring Oracle WebLogic

Command Line tools and Administration Console

Understand machines and Node Manager

Describe simple logging

Use commands to get attributes from an Mbean

Use network channels to add flexibility to your networking

Basic Deployment

Describe the Web server capabilities of WebLogic Server

Use static and dynamic deployment

Work with the built-in WebLogic Server servlets

Define and work with enterprise applications

Understanding JNDI

Describe naming and directory services

Detail the high-level architecture of JNDI

Define basic terminology

View the JNDI tree in Oracle WebLogic Server

Setting Up JDBC

Describe the high level architecture of JDBC

List the four driver types and those provide by WLS

Describe and configure Data Sources

Use the administration console to manage JDBC resources

Setting Up JMS (Java Message Service) Applications

Understand how Oracle WebLogic Server JMS is implemented

Configure JMS administered objects using the administration console

Configure persistent messages

Use the WLS administration console to monitor JMS

Managing Transactions

Configure transactions using the console

Monitor transactions using the console

Securing WLS Resources and Applications

Describe WLS security architecture

Configure users, groups, and roles

Configure security realms

Secure Web applications with declarative security

Configure policies and SSL

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Create and manage certificates

Protect WLS against several types of attacks

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