

Oracle WebLogic Server 11g: Overview for OC4J Administrators

Duration: 1 Day

What you will learn

This course is designed for experienced Oracle Application Server administrators that need to compare the major differences between OC4J implementation and WebLogic Server implementation. Installation and configuration of 11g components will be shown as screen captures with an emphasis on the differences with the previous versions of Application Server.

Learn To:

Compare OC4J architecture and subsystems with WebLogic architecture

Install WebLogic Server 11g

Configure Administration Servers and Managed Servers

Use management tools such as WLST and the Administration Console

Compare WebLogic Clustering with OC4J Server High Availability

Describe WebLogic security platform

Audience

Application Developers

Developer

End Users

J2EE Developer

Java EE Developer

Project Manager

SOA Architect

Web Administrator

Related Training

Required Prerequisites

Oracle Application Server 10g R2: Administration II

Course Objectives

Compare OC4J architecture with WebLogic architecture

Install WebLogic Server 11g

Configure Administration Servers and Managed Servers

Use management tools such as WLST and the Administration Console

Compare WebLogic Clustering with OC4J Server High Availability

Describe WebLogic security platform

Course Topics

Oracle WebLogic Server Topology Elements

- Domains
- Administration Servers
- Managed Servers
- Clusters
- Node Managers

Installation

- Separation of Installation and Configuration Operations
- Oracle WebLogic Server Components That Can Be Installed
- Directory Structure for Oracle Home and Oracle WebLogic Domain
- Domain and Domain Templates
- Starting Administration Server and Managed Servers

Administration Tools

- Administration Console for Configuring Administration and Managed Servers in a Domain
- Basic and Advanced Properties in Administration Console
- Configuration Wizard for Creating Domains
- Domain Template Builder for Creating Domain Templates

Configuration

- Node Manager for Starting and Stopping Servers
- Servers Using Node Manager
- Multiple Instances of WebLogic Server Running on the Same Computer

Clustering

- Communication Among Clustered Server Instances
- Configuring a Cluster
- Adding Servers to Clusters
- Starting and Stopping Clustered Servers
- Managing Clusters
- Deploying Applications to Clusters
- Replication
- Multitier Cluster for EJB Applications

Oracle WebLogic Server Security Realms

- Oracle WebLogic Server Security
- Realms
- Users, Groups, and Roles
- Authentication Mechanisms

Deploying Applications

- Autodeploy Feature
- FastSwap Applications Feature
- Deployment Plans
- Utilities to Maintain Deployment Plans

Comparison of Subsystems

Ports

Thread Pools

Data Sources (JDBC)

Java Naming and Directory Interface (JNDI)

Remote Method Invocation (RMI)

Web Tier components (OHS and Web Cache)