

## Oracle Unified Directory 11g R2: Administration Ed 2

**Duration:** 5 Days

### What you will learn

This Oracle Unified Directory 11g R2: Administration training gives you an overview of the features and architecture of Oracle Unified Directory 11g R2 PS3(11.1.2.3.0). You'll learn how this solution allows for scalability to billions of entries, ease of installation, elastic deployments, enterprise manageability and effective monitoring.

Learn To:

Configure OUD for storage(directory server) and proxy.

Configure OUD as replication server and replication gateway.

Configure security and synchronize OUD with other third party directories.

Integrate Enterprise User Security(EUS) with Active Directory(AD).

Perform monitoring and logging tasks.

Extend the functionality of OUD by deploying custom plug-ins.

### Benefits to You

By taking this course, you'll walk away with the ability to configure OUD instances as directory servers, proxy, replication servers and replication gateways. Expert Oracle University instructors will help you develop the skills to manage these instances by using command-line tools and ODSM (graphical interface). You also set up synchronization and integration with EUS.

### Audience

Security Administrators

Support Engineer

Technical Administrator

Web Administrator

### Related Training

#### *Required Prerequisites*

Knowledge of basic LDAP concepts

LDAP and Directory Services: Essentials

#### *Suggested Prerequisites*

Basic knowledge of AD and OID

Knowledge of WebLogic Server concepts.

Knowledge of basic user level Unix commands.

### **Course Objectives**

Explain the features and architecture of OUD

Install OUD and ODSM

Configure OUD for storage, proxy and replication

Manage entries and schema of OUD

Configure OUD security

Manage administrative users and password policies

Synchronize OUD and OID by using DIP

Synchronize OUD and AD by using DIP

Integrate EUS, OUD, and AD

Perform monitoring and logging tasks

Deploy custom plug-ins

### **Course Topics**

#### **Introduction to OUD**

Overview of Identity Management

Overview of Directory Services

Key Features of OUD

Functional Aspects of OUD

Technical differences between OUD and OID

Technical differences between OUD and ODSEE

#### **Installing and Configuring OUD**

Hardware and Software Requirements of OUD

OUD Architecture

Installing OUD

Configuring OUD: Directory Server

Configuring ODSM

Uninstalling OUD

#### **OUD Basic Administration**

OUD Administration Tools

Starting, Stopping, and Viewing the Status of OUD

Importing and Exporting data

Managing Entries - Indexing, Attribute Uniqueness, Virtual Attributes, Referrals

Managing Users and Groups  
Managing Schema

## **Monitoring and Logging in OUD**

Overview of Monitoring  
Managing Monitor Providers  
Monitoring Replication Status using dsreplication  
Monitoring via cn=monitor  
Overview of Logging  
OUD Log Files  
Logging in OUD

## **Security**

Access Control Model  
Securing Directory Service by Controlling Access to Data  
Password Policies  
Password Generators  
Securing Traffic Between Client and Server  
Attribute Encryption  
Password Validators

## **Deploying OUD in a Replication Topology**

Replication Topologies  
Enabling Replication  
Initializing Replicated Servers  
Testing Replication  
Modifying Replication Configuration  
Assured, Fractional, and Isolated Replication  
Configuring Replication by Using ODSM  
Tuning Replication

## **Deploying a Replication Topology with ODSEE 11g/DSEE 6.3 and OUD 11g**

Coexistence Topology  
Potential Issues  
Deploying an OUD 11g Topology for Coexistence with ODSEE 11g  
Deploying Replication Gateways  
Populating the OUD 11g Directory Servers with Directory Data  
Testing the Coexistence Topology  
Upgrading to OUD 11g

## **Synchronizing with other directories**

Benefits of Using DIP with OUD  
Configuring OUD as the DIP Back-End Directory  
Synchronizing OUD and OID  
Synchronizing OUD and AD

## **Deploying OUD in a Load-Balanced or Distribution Topology**

Proxy Mode Capabilities  
Load Balancing  
Data Distribution  
Request Routing Architecture  
OUD 11g Proxy Mode Server Setup

Configuring an OUD 11g Proxy Server Using ODSM  
Testing Proxy Functionality

### **Virtualizing OUD**

Configuring a Virtual Directory View of Your Repositories  
Join Workflow Element  
Join Participants  
DN Renaming  
RDN Changing  
Optimizing Virtual Search Results

### **Integrating with enterprise user security**

Managing Databases  
About Enterprise User Security (EUS)  
Integrating EUS and OUDAlert Handlers  
Integrating EUS, OUD, and AD for Password-Based Authentication

### **Introduction to Directory Integration Platform and Synchronization**

Oracle DIP: Overview  
DIP Architecture  
DIP Synchronization Service  
DIP Installation and Configuration  
DIP Administration  
DIP Security Features  
Troubleshooting DIP

### **Extensibility framework**

Need for Plug-Ins  
OUD Plug-Ins  
OUD Plug-In API: Overview  
Deploying a Sample Plug-In