

## Oracle Identity Governance 11g R2: Develop Identity Provisioning

**Duration:** 5 Days

### What you will learn

In this intensive course, you'll learn about Oracle Identity Manager 11g R2 PS2 (11.1.2.2.0), a product of the Oracle Identity Governance Suite. You learn the architecture of Oracle Identity Governance 11g R2 and know the various development tools used.

Learn To:

Develop Oracle Identity Manager connectors to integrate systems.

Test and install connectors.

Create and manage reconciliation workflows in Oracle Identity Manager.

Customize reconciliation workflows with plug-ins, event handlers, and scheduled tasks.

Provision resources and grant entitlements to users.

Understand Oracle SOA Suite.

Customize approval processes in SOA Suite.

Configure self-profile management workflows in Oracle Identity Manager.

Configure Oracle Identity Manager certifications.

Extend an Oracle Identity Manager connector.

Customize the Oracle Identity Manager UI.

Customize the application instance form for access requests.

### Benefits to You

Investing in this course will help you secure your organization's critical applications and sensitive data to lower operational costs. You'll develop the knowledge and skills to effectively manage the entire user identity life cycle across all enterprise resources.

#### On-board Users from an Authoritative Source

You'll learn how to perform reconciliation from a trusted source, and implement customizations by using API interfaces exposed to extending Oracle Identity Manager functionality.

#### Configure Access Requests

You'll learn about using connectors for integrating with a target LDAP resource, which is provisioned to identities in addition to harvesting target resource entitlements for provisioning access rights on the resource.

#### Configure Customized Approval Workflows

You'll learn about creating a custom SOA composite application with approval workflow requirements (assignees) that are dynamically determined by metadata obtained from Oracle Identity Manager through its Request Web Service interface.

#### Manage Identity Life Cycle

You'll learn about customization tasks needed to manage changes to information about an existing identity in the system. This includes customizing an OES policy and tasks related to provisioning operations associated with the LDAP connector implementation.

#### Implementing Additional UI Customization

You'll learn how to modify the Identity Self Service Console with links to launch a custom task flow for adding new users,

and securing access to the new functionality.

Note: This is an accelerated course, covering 7 days worth of content in only 5 days. Because of this extra content, the duration of classes can be slightly longer than usual. This course is based on Oracle Identity Manager 11g R2 PS2 (11.1.2.2.0).

#### Live Virtual Class Format

A Live Virtual Class (LVC) is exclusively for registered students; unregistered individuals may not view an LVC at any time. Registered students must view the class from the country listed in the registration form. Unauthorized recording, copying, or transmission of LVC content may not be made.

#### Audience

IT Director

Java Developers

Project Manager

Sales

Security Compliance Auditors

Security Compliance Professionals

#### Related Training

##### *Required Prerequisites*

Identity Management concepts

Java programming

Web Services

#### Course Objectives

Develop Oracle Identity Manager connectors to integrate systems

Test and install connectors

Create and manage reconciliation workflows in Oracle Identity Manager

Customize reconciliation workflows with plug-ins, event handlers, and scheduled tasks

Provision resources and grant entitlements to users

Understand Oracle SOA Suite

Customize approval processes in SOA Suite

Configure self-profile management workflows in Oracle Identity Manager

Configure Oracle Identity Manager certifications

Extend an Oracle Identity Manager connector

Customize the Oracle Identity Manager UI

Customize the application instance form for access requests

Explain Oracle Identity Governance 11gR2 PS2 architecture and development tools

## Course Topics

### Introduction

Identify the objectives of the course

Discuss the course agenda

Access additional information and resources

### Overview Oracle Identity Governance 11g Architecture and Development Tools

Review identity governance, management, and architecture concepts

Examine the functional areas of identity management

Identify Oracle Identity Manager as a solution for Identity Management tasks

Examine use cases for Oracle Identity Manager

Review Oracle Identity Manager user interfaces and development tools

Discuss ways to populate identities in Oracle Identity Manager

Explore the course practice environment

### Developing Connectors to Integrate Systems

Discuss the Identity Connector Framework (ICF)

Identify the ICF application programming interface (API) and service provider interface (SPI) layers

Develop a Connector implementation class

Develop a Configuration implementation class

Exchange data with Oracle Identity Manager through Attribute or ConnectorObject object types

Create and modify Ant build files to generate a connector bundle JAR file ready for deployment or installation

### Testing and Installing ICF Connectors

Develop a connector test application by using the ICF application programming interface (API)

Execute test applications in Oracle JDeveloper with the connect bundle JAR local to the test application

Install the ICF connector in Oracle Identity Manager

Manage the connector installation and configuration life cycle

### Implementing Reconciliation

Explain reconciliation and the different types of reconciliation and modes

Discuss the Oracle Identity Manager reconciliation architecture

Create reconciliation objects by using the Design Console

Implement trusted or target reconciliation by applying the Oracle Identity Manager object model

Initiate reconciliation through a scheduled task

### Customizing Reconciliation with Plug-ins, Event Handlers, and Scheduled Tasks

Describe the plug-in framework including plug-ins and plug-in points

Explain Oracle Identity Manager orchestration concepts

Create and register a plug-in contained in a zip file

Create and register an event handler

Develop and register a custom scheduled task

### **Provisioning Resources to Users**

Configure an Oracle Identity Manager connector to make it operable

Identify an Oracle Identity Manager application instance

Describe how application instances relate to connector objects

Provide examples of application instances

Manage sandboxes

Describe how to create an application instance

Describe how to manage the Catalog

Compare ways to provision a resource to an Oracle Identity Manager user: policy-based (user membership rules and acc

### **Granting Entitlements to Users**

Identify entitlements for application instances

Manage entitlements for application instances

Identify requests

Explain the types of requests that you can create and manage

Describe the two types of approval workflows associated with requests: request-level and operational-level approval worl

Identify the stages of a request

Explain the request stages throughout a request's life cycle

Complete request-level and operational-level approval workflows

### **Introduction to Oracle SOA Suite**

Describe Oracle SOA Suite 11g and SOA composite applications

Describe the components of a SOA composite application

Create, condifure, and develop BPEL Process, Human Task, and Business Rule components

Deploy and test a SOA composite application

### **Customizing Approval Processes in SOA Suite**

Design a custom approval composite

Implement a custom approval composite interface and its callback requirements

Generate a skeleton custom approval composite

Secure the Request Web Service and invoke its operations from a composite

Configure Oracle Universal Messaging Service (UMS) for notification services

### **Configuring Self Profile Management**

Compare authorization and authentication

Identify authorization policies

Explain how to define authorization policies that control access rights that users have in Oracle Identity Manager

Discuss how to use authorization policies to determine whether a user can perform a specific action in Oracle Identity Ma

Describe the relationship between authorization policies and administrative roles in Oracle Identity Manager

Discuss how to manage authorization policies

Identify Oracle Identity Manager system entities

Add user-defined fields (UDFs) to system entities

### **Configuring Oracle Identity Manager Certifications**

Describe identity certification and attestation

Identify the business drivers for certification

Configure certification in Oracle Identity Manager

Create and manage certification definitions

Explain how risk summaries are calculated

Describe closed-loop remediation and remediation tracking

Describe and configure multiphased reviews and event listeners for user certifications

### **Extending an Oracle Identity Manager Connector**

Discuss how to extend an Oracle Identity Manager connector

List the steps to complete to extend a connector

Verify that the connector extensions are operable

### **Customizing the Oracle Identity Manager User Interface**

Describe the MVC architectural design layers and its benefits

Explain the Oracle Identity Manager UI architecture

Explain the ADF main components and Expression Languages

Describe the approaches available to customize the Oracle Identity Manager UI

Extend Oracle Identity Manager with a custom ADF application

Provide links in Oracle Identity Manager

Change Oracle Identity Manager console logo

### **Customizing the Application Instance Form for Access Requests**

Describe how to use the Oracle Identity Manager UI customization approaches to optimize application instance forms for

List the steps needed to customize the application instance form