

## Oracle Access Manager 11g R2: Administration Essentials

**Duration: 5 Days**

### What you will learn

This Oracle Access Manager 11g R2: Administration Essentials training teaches you how to install, configure and implement a real-life deployment of Oracle Access Manager 11g R2 PS3(11.1.2.3). Work with expert Oracle University instructors to install, troubleshoot, diagnose and more.

### Learn To:

- Install and configure Oracle Access Manager 11g R2 PS3.
- Configure servers, data sources and agents.
- Set up policy configuration (shared components and application domain).
- Manage sign-on, sign-off and sessions.
- Configure detached credential collector [DCC]
- Set up auditing, logging and troubleshooting OAM 11g R2 PS3.
- Set up secure communication between Web Gates and OAM Server.

### Benefits to You

By taking this course, you'll develop a deep understanding of key concepts of Access Management that include installing, configuring and registering Web Gates. You'll walk away with the knowledge and skills to create authentication and authorization policies to protect resources and understand session management and single sign on. Troubleshoot & Diagnose

Expert Oracle University instructors will also teach you how to troubleshoot, diagnose and monitor the OAM deployment environment. You'll explore the Oracle Fusion Middleware Audit Framework, a centralized audit framework to the OAM and other Fusion Middleware component products.

Course Wrap-Up

Finally, you'll learn how to generate reports and audit for OAM deployments. You will also learn to set up secure communication between Web Gate and OAM Server.

### Audience

- Sales Consultants
- Security Administrators
- Support Engineer
- Technical Administrator
- Technical Consultant
- Web Administrator

### Related Training

- Suggested Prerequisites
- General Security Concepts
- Oracle WebLogic Server 11g: Administration Essentials
- Working knowledge of Identity and Access Management products

## **Course Objectives**

Explain and set up auditing and logging for OAM 11g  
Troubleshoot OAM 11g  
Configure and explain WLS, identity assertion, OAM assertion provider, and WLS authenticator  
Configure Deatched Credential Collectors  
Install and configure Oracle Access Manager (OAM 11g)  
Configure servers, data sources, and agents  
Set up policy configuration (shared components and application domain)  
Manage sign-on, sign-off, and sessions

## **Course Topics**

### **Overview of Access Manager**

Explain the salient features of Oracle Access Manager  
Explain the key products that comprise the Oracle Access Management Suite  
Explain the functional areas for each of the Oracle Access Management products  
Explain Oracle Access Manager overall architecture  
Explain Oracle Access Manager run-time architecture  
Identify key Oracle Access Manager 11g R2 PS3 new features  
OIF enhancements to the OAM admin console to support SP functionality  
SAML attributes can be configured for OAM policy, SAML attribute can be used by OAAM risk analysis

### **Installation and Configuration**

Explain key definitions and terminologies  
Describe the prerequisites for installing Oracle Access Manager  
Install Oracle WebLogic Server (WLS)  
Configure seeded database schemas by using the Repository Creation Utility  
Install and configure Oracle Access Manager  
Perform post-installation validation checks  
Perform an uninstallation

### **System Configuration: Servers, Data sources and Agents**

Manage Servers using OAM Administration Console and Oracle Web Logic Server Admin Console  
Manage data sources - User Identity Store  
Installing and Configuring Agents  
Registering Agents – OAM Admin Console, In-Band, Out-of-Band Understanding WLS Agents  
Manage agents using OAM Admin Console  
Extends 11g Webgate with an option to enable Credential Collection capability (Authentication Gate)  
Separating from server operations, External (Distributed) Credential Collector (Collect in DMZ)

### **Policy Configuration: Shared Components and Application Domains**

Explain Access Control - Authentication and Authorization  
Detached Credential Collector  
Authentication Modules and Schemes Understanding Policy Objects and Policy Model  
Understanding Policy Objects and Policy Model  
Two-factor/Multi-factor authentication

Resource matching and Excluded resources  
Complex LDAP AuthZ and Response Filters, Authorization expressions  
LDAP search Filter support

### **SSO and Session Management**

OAM single sign-on and single logout  
Sessions life cycle, caching and cookies  
Configuring single sign-on and single logout  
Customizing the ECC login and logout pages  
Customizing user defined error msgs  
Implementations of custom login pages for DCC  
Impersonation  
Errors codes, information and password policy validation errors

### **Using Oracle Access Manager with WebLogic Applications**

Protecting WLS applications with OAM  
Identity assertion providers  
OAM authenticator

### **Auditing and Logging**

Fusion Middleware audit framework  
Audit output options  
Configure audit settings  
Audited events and recorded data  
Generating audit reports  
Configuring logging settings  
Locating and examining logging output  
Locating log files from other servers

### **Troubleshooting and Management**

Work with Access Tester  
Identifying connectivity issues between agents and servers (impact of load balancers and firewalls)  
Understand OAM specific WLST commands  
Work with Oracle Enterprise Manager Fusion Middleware Control  
Explain EM FMW Control integration  
Server processes and charts  
Topology viewer  
Farm and domain

### **Securing Communication between Web Gate and OAM Server**

Setting up communication in Simple transport mode  
Outline of Steps to setup Cert mode communication