

Oracle Access Manager 11g R2: Administration Essentials

Duration: 5 Days

What you will learn

No hands on lab environment for the TOD course format

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 WebGates 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 WebGates. 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 WebGate and OAM Server.

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 OAM 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, Datasources 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 WebGate and OAM Server

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