

Oracle Application Server 10g R3: Administration

Duration: 3 Days

What you will learn

Oracle Application Server 10g Release 3 (10.1.3.1.0) provides a new version of Oracle Application Server. Depending on the installation type, Oracle Application Server 10g Release 3 (10.1.3.1.0) includes Oracle HTTP Server (OHS), Oracle Containers for J2EE (OC4J), Oracle Process Manager and Notification Server (OPMN), Application Server Control Console, and Service-Oriented Architecture (SOA) suite components. You can integrate Oracle Application Server 10g Release 3 (10.1.3.1.0) with an existing Oracle Application Server environment 10g (9.0.4) or 10g Release 2 (10.1.2) OracleAS Infrastructure, 10g Release 2 (10.1.2) Oracle HTTP Server, or 10g Release 2 (10.1.2) OracleAS Web Cache components. This course enables the participants to effectively install and manage Oracle Application Server 10g Release 3 (10.1.3.1.0). The participants learn how to access and use Oracle Application Server management tools, and practice management tasks both by using Application Server Control and command-line tools. The participants also learn how to deploy J2EE applications and manage SSL in an Oracle Application Server. Participants learn backing up and restoring the Oracle Application Server 10g Release 3 (10.1.3.1.0) instances. The participants also learn the concepts of high availability, clustering, and how to manage clusters in an active-active configuration. If the participants are familiar with Oracle Application Server 10g Release 2 (10.1.2) and intend to use this version along with the Oracle Application Server 10g Release 3 (10.1.3.1.0), this is the right course for learning about Oracle Application Server 10g Release 3 (10.1.3.1.0) administration. If the participants are planning to use Oracle Application Server 10g Release 3 (10.1.3.1.0) as stand alone, then this is the right course for learning about Oracle Application Server 10g Release 3 (10.1.3.1.0) administration as well. Learn To: Install Oracle Application Server 10g Release 3 (10.1.3) Administer tools and components Deploy J2EE applications and Web services Backup and restore Oracle Application Server Configure Oracle Application Server 10g Release 3 (10.1.3.1.0) Manage Active-Active Clustering in Oracle Application Server 10g Release 3 (10.1.3.1.0)

Audience

J2EE Developer
Sales Consultants
Technical Consultant
Web Administrator

Related Training

Suggested Prerequisites

Familiarity with Linux operating system

Oracle Application Server 10g R2: Administration I

Course Objectives

Install Oracle Application Server 10g Release 3 (10.1.3.1.0)

Administer Oracle Application Server 10g Release 3 (10.1.3.1.0) through Application Server Control and command-line

tools

Deploy Java 2 Enterprise Edition (J2EE) Applications

Deploy Advanced J2EE Applications

Manage OC4J Websites

Manage Secure Socket Layer in Oracle Application Server

Configure Oracle Application Server 10g Release 3 (10.1.3.1.0)

Back Up and Restore Oracle Application Server

Identify High Availability Solutions

Manage Active-Active Clustering in Oracle Application Server 10g Release 3 (10.1.3.1.0)

Troubleshoot the Oracle Application Server

Course Topics

Introduction

Identifying the course units

Defining the course schedule

Getting Started with Oracle Application Server

Identify different Oracle Application Server administrator roles

Provide an overview of Oracle Application Server 10g R2 (10.1.2.0.2)

Describe the main components that compose the Oracle Application Server architecture

Explain the transition from Oracle Application Server 10g R2 to Oracle Application Server 10g R3 (10.1.3.1.0)

Installing Oracle Application Server 10g Release 3 (10.1.3.1.0)

Identify the installation requirements for Oracle Application Server 10g Release 3 (10.1.3.1.0)

Describe the installation types of Oracle Application Server 10g Release 3 (10.1.3.1.0)

Install Oracle Application Server 10g Release 3 (10.1.3.1.0)

Apply Oracle Application Server 10g Release 3 (10.1.3) Patch Set 3 (10.1.3.3.0) to a 10g Release 3 (10.1.3.1.0) Oracle f

Tools for Administering Oracle Application Server

Discuss the Application Server Control architecture

Describe the management infrastructure and tools in Oracle Application Server 10g Release 3 (10.1.3.1.0)

Manage an Oracle Application Server 10g Release 3 (10.1.3.1.0) instance

Discuss the new features of Oracle Application Server 10g Release 3 (10.1.3.1.0)

Administering Using Oracle Application Server Control

Start and stop an Oracle Application Server instance or a component

Manage Oracle Application Server 10g Release 3 (10.1.3.1.0) Groups

Configure administrative roles in Application Server Control

Manage OC4J instances

Reconfigure ports

Deploying J2EE Applications

- Review the J2EE architecture
- Review J2EE applications
- Review the deployment process
- Identify options for deployment
- Deploy J2EE applications

Deploying Advanced J2EE Applications

- Configure managed and native data sources
- Manage connection pool
- Discuss deployment plan
- Perform group deployment and group configuration
- Manage shared libraries
- Discuss J2EE technologies

Advanced J2EE Concepts and Technologies

- Discuss key new features in Oracle Containers for J2EE 10g (10.1.3.1.0)
- Manage operations on MBeans by using the MBean browser
- Perform advanced tasks using admin_client.jar
- Perform advanced tasks using Ant

Managing OC4J Web Sites

- Define a Web site
- Configure connection data to a Web site
- Create a new Web site in Oracle Application Server Containers for J2EE (OC4J)
- Configure a secure Web site in OC4J
- Start and stop Web sites
- Configure access logging to Web sites

Managing Secure Sockets Layer (SSL) in Oracle Application Server

- Explain how secure sockets layer (SSL) works
- Discuss Oracle Application Server public key infrastructure (PKI) components
- Explain the Oracle Wallet Manager (OWM) functionality
- Manage user and trusted certificates
- Configure Oracle HTTP Server to use SSL
- Configure ORMS for OC4J

Configuring Oracle Application Server

- Configure with 10.1.2 OracleAS Web Cache
- Configure with Oracle HTTP Server Release 2 (10.1.2)
- Configure with Oracle Identity Management

Backing Up and Restoring Oracle Application Server

- Configure the Oracle AS Recovery Manager
- Configure Oracle Application Server for a full backup
- Describe a backup strategy for Oracle Application Server
- Perform a complete Oracle Application Server backup
- Perform an incremental backup
- Describe a recovery strategy for Oracle Application Server
- Restore a middle tier from a backup

High Availability Solutions

Explain High Availability

Identify High Availability solutions

Explain Process Management through OPMN

Identify High Availability Topologies

Discuss High Availability and State Replication

Discuss load balancing using mod_oc4j

Explain Groups in Oracle Application Server 10gR3 (10.1.3.1.0)

Explain Backup and Recovery Paradigm

Active–Active Clustering in Oracle Application Server 10g Release 3 (10.1.3.1.0)

Explain changes to clustering

Configure a cluster

Explain Routing ID

Configure application mount points

Replicate configuration changes across OracleAS Cluster

Configure application clustering

Explain state replication

Troubleshooting the Oracle Application Server

Diagnose Oracle Application Server problems

Troubleshoot Application Server Control

Related Courses

Oracle Application Server 10g Administration Self-Study Course