

Administering Exadata Cloud at Customer

This training is your first step towards managing Oracle Exadata Cloud service from your data center. Learn the key features of Oracle Cloud at Customer and Exadata Cloud at Customer, the roles and responsibilities, and be prepared for the delivery and initial setup of Oracle Exadata Cloud at Customer at your data center. Get started by deploying an Oracle Database Cloud Service instance and migrate your On-Premises database to cloud.

Learn To

Oracle Database Exadata Cloud at Customer combines cloud simplicity, agility, and elasticity with deployment inside your data center to provide full-featured Oracle Databases hosted on Oracle Exadata Database Machine. In this training understand the key features of Oracle Cloud at Customer and Exadata Cloud at Customer, the roles and responsibilities, and be prepared for the delivery and initial setup of Oracle Exadata Cloud at Customer at your data center. Get started by deploying an Oracle Database Cloud Service instance and migrate your On-Premises database to cloud.

Learn To:

- Identify the key features of Oracle Exadata Cloud at Customer
- Identify data center requirements for Oracle Cloud at Customer installation
- Create an Exadata Cloud at Customer Instance and a Database Deployment
- Administer a Database Deployment
- Administer an Exadata Cloud at Customer instance
- Monitor and Troubleshoot an Exadata Cloud at Customer Instance
- Back Up Database Deployments on Exadata Cloud at Customer
- Perform database migration using Oracle Data Pump and RMAN

Prerequisites

Audience

Database Administrators

Cloud Administrator

Cloud Architect

Cloud Data Architects

Cloud Database Administrators

Cloud Technical Consultants

Technical Administrator

Course Objectives

1. Describe the components of Oracle Exadata Cloud at Customer

2. List the minimum configuration for Oracle Exadata Cloud at Customer environment
3. Describe Cloud Administration and identify Administrator Roles in the Cloud Environment
4. Identify steps for creating an Exadata Cloud Service Instance and a Database Deployment
5. Identify the administrative tasks for an Exadata Cloud Service Instance
6. Describe various migration methods
7. Configure network security rules
8. Perform Backup and Recovery

Course Topics

- Introduction to Oracle Cloud at Customer
 - Introduction to Oracle Cloud at Customer
 - Oracle Cloud at Customer technology overview
 - Installation process and the components of Oracle Cloud at Customer
- Oracle Exadata Cloud at Customer Overview
 - Describe Exadata Cloud at Customer (ExaCC)
 - Discuss Exadata Cloud at Customer: Architecture
 - Customer Deployment examples
- Oracle Exadata Cloud at Customer: Features
 - Exadata Maximum Availability Architecture (MAA)
 - Explain how Exadata provides the Most Powerful Database + Platform
 - List various Exadata features
- Creating an Exadata Cloud at Customer Instance and a Database Deployment
 - Describe Exadata Cloud at Customer deployment process
 - Create an Exadata Cloud at Customer instance
 - Discuss Exadata Cloud at Customer instance configuration options
 - Create an Exadata Cloud at Customer database deployment
 - Discuss the configuration options for a database deployment
 - Discuss DB node subsetting and shared homes
 - Use I/O Resource Manager (IORM) with Exadata Service
- Administering a Database Deployment
 - Control Network Access to Exadata Cloud at Customer
 - Connect to Exadata Cloud at Customer database
 - Create and Manage Snapshots of a Database Deployment
 - Manage keys for Transparent Database encryption
- Administering an Exadata Cloud at Customer Instance
 - Provide options for scaling an Exadata Cloud at Customer instance
 - Explain patching responsibilities in Exadata Cloud at Customer Update cloud tooling in your Exadata Cloud at Customer instance
 - Stop, start, and restart Exadata Cloud at Customer database servers
 - Describe VM Cluster management and multiple VM Clusters
 - Explain OCPU oversubscription
 - Use Oracle Data Guard in Exadata Cloud at Customer
- Monitoring and Troubleshooting Exadata Cloud at Customer
 - Describe System Monitoring and User
 - Space Monitoring
 - Describe Enterprise Manager Cloud Control
 - Monitor and manage Exadata Storage Servers on Exadata Cloud at Customer
 - Manage the Log and Diagnostic Files on Exadata Cloud at Customer
 - Describe Exadata Cloud at Customer Logs
 - Monitor Resources
 - Troubleshoot Cloud at Customer
- REST API for Oracle Database Exadata Cloud at Customer

- Define REST (Representational State Transfer)
- Describe exchanging data with REST
- Describe JSON
- List the HTTP Methods
- Describe REST APIs for Oracle Database Exadata Cloud at Customer
- Backing Up Database Deployments on Exadata Cloud at Customer
 - Explain database backup options with Exadata Cloud at Customer
 - Explain Instantiate from Backup
 - Describe backup and restore using Database Cloud Service Console
 - Describe backup and restore using the bkup_api utility
- Migrating Oracle Database to Exadata Cloud at Customer
 - Describe the benefits of migrating to EXACC
 - Identify what can be migrated
 - Describe the available migration methods
 - Discover your source environment
 - Analyze and compare your source and target environments
 - Decide on a migration strategy
 - Choose a migration method