2 Days

Oracle Database 12C ASM Administration

This Oracle Database 12c: ASM Administration training is a short two-day course that explores the concepts and functionalities of the Oracle ASM architecture. A combination of theory as well as lab exercises will help participants imbibe a deeper understanding of both standard ASM as well as Flex ASM applications. This course will also introduce participants to Oracle Database Exadata Cloud Service.

Completion of this training course will enable candidates in:

- Administering ASM files, directories, templates, and disk groups.
- Managing and administering Oracle Cloud File System and its components.
- Configuring and managing advanced Cloud FS features
- Gaining an understanding of the Oracle Database Exadata Cloud Service.

Course Benefits:

Attaining certification of this course will ensure fast, reliable, secure and easy to manage performance. Also, this training will help individuals to optimize database workloads, at lower IT costs and deliver the better quality of service by enabling smooth and rapid consolidation within your Data clouds when one learns functionalities of Oracle Database 12c Grid Infrastructure, specifically about Oracle ASM.

Course Details

Course Outline

Module 1: Oracle ASM Overview

- ASM Overview
- ASM Placement in Storage Stack
- ASM System Privileges
- ASM Cluster Configuration for Oracle RAC
- ASM OS Groups and Role Separation
- ASM Components
- Configure disks as ASM candidate disks

Module 2: Oracle ASM Instance Administration

- Overview of ASM Instance Administration
- Instance Parameters
- ASM_DISKGROUPS
- Adjust ASM Instance Parameters in SPFILEs

- Instance Startup and Shutdown
- Relevant V$Views

Module 3: Flex ASM

- Flex ASM Architecture
- Overview & Background
- ASM Deployment Alternatives
- Configure & Manage Flex ASM
- Relocate an ASM Client

Module 4: Administering ASM Disk Groups

- Overview of ASM Disk Group
- Disk Group Attributes
- Attributes of Compatibility
- Disk Group Metadata
- Disk Group Management
- View Connected Clients
- Disk Group Rebalance
- ASM Fast Mirror Resync

Module 5: Administering ASM Files, Directories, and Templates

- Interaction Between Database Instances and ASM
- Access ASM Files
- ASM File Creation
- Fully Qualified ASM File Names
- View ASM Aliases, Files, and Directories
- Overview of ASM Directories
- Manage ASM Directories
- Manage Alias File Names

Module 6: Administering Oracle Cloud File System

- Oracle Cloud File System Components
- Oracle ACFS Overview
- Oracle ASM Dynamic Volume Manager
- Overview of High Availability NFS (HANFS)
- Integrate Oracle ACFS with Oracle ASM
- Oracle ACFS Administration

- ACFS Administration in Clusterware Resources
- ACFS and Dismount or Shutdown Operations

Module 7: Oracle Database Exadata Cloud Service

- Overview of Exadata Cloud Service
- Service Architecture & Availability
- Service Configuration & Connection Options
- Storage Configuration & Management Details
- Management Responsibilities
- REST APIs
- Simple Web-Based Provisioning & Management
- Migrating to Exadata Cloud Service

Who Should Attend

The Oracle ASM Administration Training Course is ideal for those working with the profiles of:

- Database Administrators
- Administrator

Pre Requisite

Required:

- Working knowledge of Oracle Database 11g: Release 2 on Linux Operating System

Suggested Prerequisites:

- Working knowledge of Oracle Clusterware, ASM & RAC on Linux
- Certification of either of the following:
- Oracle Grid Infrastructure 11g: Manage Clusterware and ASM - Release 2
- Oracle Database 12c: Clusterware Administration
- Oracle Database 12c: RAC Administration Ed 1

464, Udyog Vihar Phase V,Gurgaon (Delhi NCR)-122016,India	+91 8882 233 777	training@mercury.co.in	www.mercurysolutions.co

Date - Oct 30, 2026