

Oracle Grid Infrastructure 11g: Administer ASM - LVC

Duration: 2 Days

What you will learn

In this seminar, students will learn about Oracle Automatic Storage Manager (ASM). Students will understand how to perform an installation of the product and configuring it for utilization using best practices. Students will also understand the architecture of ASM and its role within the enterprise environment.

Students will learn the topics through lecture, demonstrations and discussions.

Learn To:

Understand the ASM architectures

Install and configure ASM

Manage ASM with different utilities such as SQL*Plus, Oracle Enterprise Manager, and ASMCMMD

This course is based on Oracle Database 11g Release 1.

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Audience

Database Administrators

Sales Consultants

Support Engineer

Technical Administrator

Technical Consultant

Prerequisites

Suggested Prerequisites

Oracle Database: Introduction to SQL - LVC NEW

Oracle Database 11g: Administration Workshop II

Oracle Database 11g: Administration Workshop I

Course Objectives

Utilize the ASM command line environment

Manage ASM with Oracle Enterprise Manager

Install ASMLIB on the Linux Platform

Install the Oracle Automatics Storage Manager software

Configure the Oracle Automatic Storage Manager software

Manage ASM instances, disk groups, disk, and files

Understand the Oracle storage products

Course Topics

Introduction to Storage in Oracle Environments

- Overview of Disk Management
- Overview of OCFS2
- Overview of Direct NFS
- Overview of Exadata Server
- Overview of ASM

Automatic Storage Manager (ASM) Architecture

- ASM for Single Instance
- ASM Cluster Configuration for Oracle RAC
- ASM Components
- Utilities for Working with ASM

Installing and Configuring ASM

- Install ASM with Oracle Universal Installer
- Install 11.1.0.7.0 Patchset to ASM binaries
- Installing and Configuring ASMLib
- Configuring ASM with dbca

Administering ASM Instances

- ASM Initialization Parameters
- Connecting to and Authenticating to ASM Instances
- Starting/Stopping ASM Instances
- Querying Dynamic Performance Views

Administering ASM Disk Groups

- Disk group attributes
- Creating a new disk group
- Disk aliases
- Extending an existing disk group
- Dropping disk from an existing disk group
- Dropping a complete Disk Group
- Mounting and Dismounting Disk groups
- ASM Fast Mirror Resync

Administering ASM Files, Directories, and Templates

- Accessing ASM files
- ASM file names
- Create ASM files
- Managing ASM Directories
- Managing Filename aliases
- Managing Disk Group Templates

ASM Command-Line utility

- Prerequisites to running ASMCMD
- Modes of ASMCMD
- ASMCMD command overview

Administering ASM with Oracle Enterprise Manager

- ASM Homepage
- Configuring ASM initialization parameters
- Managing ASM users

Managing ASM disk groups
Monitoring ASM Performance
Migrating to ASM