

Oracle Database 10g: ASM Overview Seminar

Durée: 1 Jour

Description

This seminar gives an overview of the concepts and features of Automatic Storage Management (ASM). Students learn to administer the ASM disk groups and failgroups, migrate a database to ASM and learn the benefits of ASM.

Learn To:

- Describe the ASM architecture
- Create and Drop Disk Groups
- Describe the purpose of ASMLIB
- Administer ASM instances
- Describe ASM recovery
- Identify options for shared storage

Audience

- Administrateurs de base de données
- Consultant Technique
- Database Administrators
- Ingénieurs support
- Responsables des ventes
- Sales Consultants
- Support Engineer
- Technical Administrator
- Technical Consultant

Cours pré-requis

Cours pré-requis conseillé(s)
Knowledge of basic database administration

Objectifs

- Identify the features of Automatic Storage Management (ASM)
- Set up initialization parameter files for ASM and database instances
- Execute SQL commands with ASM file names
- Start up and shut down ASM instances
- Administer ASM disk groups
- Administration of ASM with RAC

Thèmes abordés

ASM Concepts and Architecture

- Shared Storage Technologies
- Options for Shared Storage

- Oracle Cluster File System
- Automatic Storage Management
- ASM: Key Features and Benefits
- Nonclustered ASM Architecture
- Clustered ASM Architecture
- ASM Storage: Concepts

Preparing for ASM

- ASM Disks
- ASM on Local Raw Devices
- Configuring Disks
- Disks and Partitions
- Managing Partitions Using fdisk & parted
- Raw Devices on Linux
- Configuring Udev
- ASM on NAS & SAN

ASM Installation and Configuration

- ASM Installation: Best Practices
- Installing Automatic Storage Management
- Specify Home Details
- Hardware Cluster Installation Mode
- Product-Specific Prerequisite Checks
- Configure ASM
- Creating an ASM Instance
- RAC and ASM Instances Creation

Administering ASM

- ASM Instance Initialization Parameters
- Database Instance Parameter
- Starting Up an ASM Instance
- Accessing an ASM Instance
- Shutting Down an ASM Instance
- Managing Disk Groups
- Creating and Dropping Disk Groups
- Migrating Your Database to ASM Storage

Administering Clustered ASM

- Clustered ASM Consolidation
- ASM Instance Initialization Parameters and RAC
- ASM Instance and Crash Recovery in RAC
- ASM and SRVCTL with RAC
- ASM and SRVCTL with RAC: Examples
- ASM Disk Groups With EM in RAC
- Disk Group Performance Page and RAC