

Szkolenie: Oracle
Oracle Database 12c R2: ASM Administration



Cel szkolenia:

This Oracle Database 12c R2: ASM Administration training teaches you about Oracle ASM architecture. Expert Oracle University instructors will help you develop a deeper understanding of both standard ASM and Flex ASM applications. In this course, you will be introduced to Oracle Database Exadata Cloud Service.

Learn To:

- Administer ASM files, directories, templates, and disk groups.
- Manage and administer Oracle ASM File System and its components.
- Gain an understanding of ASM New Features.
- Gain an understanding of the Oracle Database Exadata Cloud Service.

Benefits to You:

Ensure fast, reliable, secure and easy to manage performance. Optimize database workloads, lower IT costs and deliver a higher quality of service by enabling consolidation onto database clouds by learning about the Oracle Database 12c Grid Infrastructure, specifically Oracle ASM.

Plan szkolenia:

- Oracle ASM Overview
 - Overview of ASM
 - ASM Placement in Storage Stack
 - ASM Cluster Configuration for Oracle RAC
 - ASM Software Installation
 - ASM Key Components
 - ASM Instance Designs
 - ASM Utilities
- Administering ASM Instance
 - Operating with Different releases of Oracle ASM and Database Instances
 - Managing ASM instance with various tools
 - Instance Startup and Shutdown

- ASM Instance Parameters
- Adjusting ASM Instance Parameters in SPFILEs
- ASM System Privileges
- ASM OS Groups and Role Separation
- ASM Instance Connection modes
- Flex ASM
 - Flex ASM Architecture
 - Background and Overview
 - ASM Deployment Alternatives
 - Configuring Flex ASM
 - Managing Flex ASM
 - Relocating an ASM Client
 - ASM IO Services and Configuration
- Administering ASM Disk Groups Part 1 & Part 2
 - ASM Disk Group Overview
 - Disk Group Attributes
 - Compatibility Attributes
 - Disk Group Management
 - Disk Group Metadata
 - Viewing Connected Clients
 - Extending an Existing Disk Group
 - Dropping Disks from an Existing Disk Group
- Administering ASM Disk Groups Part 1 & Part 2
 - Adding and Dropping in the same command
 - Undropping Disks in Disk Groups
 - Replacing Disks in Disk Group
 - Renaming Disk Groups
 - Resizing Disks in Disk Groups
 - Mounting and Dismounting Disk Groups
 - Dropping Disk Groups
 - ASM Disk Group Rebalance and Priority Ordered Rebalance
- Flex ASM Disk Group
 - ASM Database-Oriented Storage Management
 - ASM Flex Disk Groups Characteristics
 - ASM File Groups
 - ASM Quota Groups

- Administering File Groups and Quota Groups
- Prioritized Rebalancing for File Groups
- Administering ASM Files, Directories, and Templates
 - Interaction Between Database Instances and ASM
 - Accessing ASM Files
 - Fully Qualified ASM File Names
 - ASM File Creation
 - View ASM Aliases, Files, and Directories
 - ASM Directories Overview
 - Managing ASM Directories
 - Managing Alias File Names
- Administering Oracle ASM Cluster File System
 - Overview of Oracle ACFS
 - Oracle ASM Dynamic Volume Manager
 - Oracle ACFS Integration with Oracle ASM
 - Oracle ACFS Administration
 - Clusterware Resources and ACFS Administration
 - ACFS and Dismount or Shutdown Operations
 - ACFS Snapshots
- ACFS/ADVM Enhancements
 - Oracle ACFS Automatic Resize
 - Oracle ACFS Scrubbing
 - Oracle ACFS Defragger
 - Oracle ACFS Metadata Collection
 - Oracle Metadata Acceleration
 - 4K Sector Support for Oracle ACFS and Metadata
 - Oracle ACFS Compression
 - Oracle ACFS Spare Files
- Oracle Database Exadata Cloud Service Overview
 - Introducing Exadata Cloud Service
 - Service Configuration Options & Service Connection Options
 - Service Architecture & Availability
 - Management Responsibilities
 - Storage Configuration & Management Details
 - Simple Web-Based Provisioning & Management
 - REST APIs

- Migrating to Exadata Cloud Service

Wymagania:

Suggested Prerequisite

- Working knowledge of Oracle Clusterware, ASM & RAC on Linux
- Oracle Database 12c R2: RAC Administration
- Oracle Database 12c R2: Clusterware Administration

Required Prerequisite

- Oracle Database 12c R2: Clusterware Administration Ed 2
- Oracle Database 12c R2: RAC Administration Ed 2
- Oracle Database 12c R2: Clusterware Administration
- Working knowledge of Oracle Database 11g: Release 2 on Linux Operating System
- Oracle Database 12c R2: Clusterware Administration

Poziom trudności



Certyfikaty:

Uczestnicy szkoleń otrzymają zaświadczenia o ukończeniu kursu sygnowane przez firmę Oracle.

Prowadzący:

Autoryzowany wykładowca Oracle.