



Oracle Database 11g R2: Grid Infrastructure & ASM



ora11g220-ver1

Instructor Resources From The Sideris Training Portal

2 Days

General Description

This training course provides a step-by-step guide for configuring and using the Oracle Grid Infrastructure in a single server environment, and it forms the basis for expanding this infrastructure to a clustered server configuration. Advanced database and storage administration tasks are considered, including Oracle Restart and Automatic Storage Management (ASM).

Target Audience

- Database administrators
- Web server administrators
- System administrators
- Implementation specialists
- Data center support engineers
- Senior application designers and developers

Prerequisites

- Database administrators
- Web server administrators
- System administrators
- Implementation specialists
- Data center support engineers
- Senior application designers and developers

Next Course

Administrators may wish to proceed onto more focused and specialized courses:

- ORACLE DATABASE 11G: ADMINISTRATION II
- ORACLE DATABASE 11G: PERFORMANCE TUNING
- ORACLE DATABASE 11G: SQL TUNING
- ORACLE DATABASE 11G: PARTITIONING & PARALLEL SQL
- ORACLE DATABASE 11G: DATA WAREHOUSING & ORACLE WAREHOUSE BUILDER

Pages

257 pages

Duration

2 days

Instructor Resources

Instructor resources from the [Sideris Training Portal](#). There is no substitute for a subject matter expert. Sideris custom print courseware combined with our online resources make distance-learning and virtual training more effective than ever. Download the instructor resources for this courseware and see how your instructor presentations improve!

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Objectives

This training course provides a step-by-step guide for configuring and using the Oracle Grid Infrastructure in a single server environment, and it forms the basis for expanding this infrastructure to a clustered server configuration.

Advanced database and storage administration tasks are considered, including Oracle Restart and Automatic Storage Management (ASM).

With this course you will learn about:

- Preparing a host system for the Grid Infrastructure and Oracle RDBMS installations and performing those installations.
- Preparing a host system for ASM storage management.
- Partitioning and configuration of storage devices for ASM storage on both Linux and MS Windows servers.
- Utilizing Oracle Restart for automatic sequencing and restarting of Oracle software components.
- Obtain an introduction to Oracle High-Availability Services including the Server Control and Clusterware Control utilities.
- Review the Oracle server stack architecture including operating system virtualization and storage subsystem virtualization layers.
- Using ASM for storage of some or all database files, thereby providing a database-centric and optimized storage and volume manager.
- Exploiting ASM storage from the Database Configuration Assistant (DBCA), Database Upgrade Assistant (DBUA) and the Enterprise Manager (EM) interface.
- Administration of an ASM instance and management of ASM disk groups.
- Implement advanced storage capabilities including Intelligent Data Placement, High-capacity disk drives and access control privileges.
- Manage storage systems using the ASM Configuration Assistant (ASMCA) and the ASM command-line interface (ASMCMD).
- Migrate a database from traditional file system storage to ASM storage.
- Monitoring performance and throughput of ASM devices.

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