



# Oracle Database 11g R2: Grid Infrastructure & ASM

*By Sideris*

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## Oracle Database 11g R2: Grid Infrastructure & ASM By Sideris

This Oracle 11g 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, Highcapacity 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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