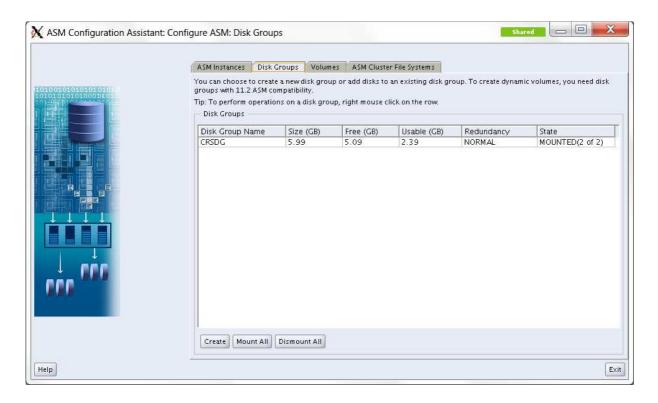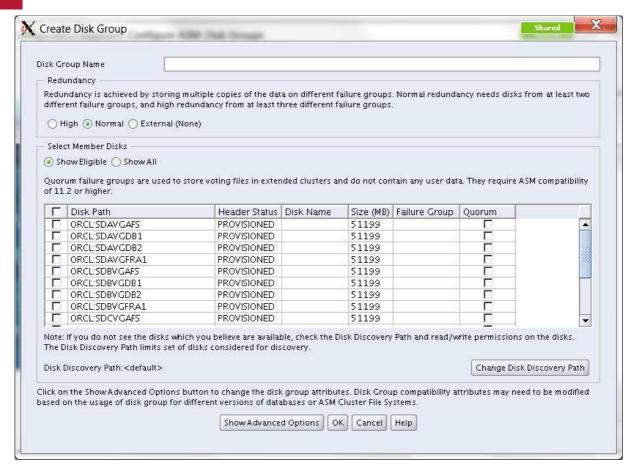# *Oracle 11g R2 ASM Disk Group Creation*

Login as grid

Asmca

Click create

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Oracle 11g R2 ASM Disk Group Creation

Create Disk Group

Disk Group Name

Redundancy

Redundancy is achieved by storing multiple copies of the data on different failure groups. Normal redundancy needs disks from at least two different failure groups, and high redundancy from at least three different failure groups.

○ High ⦿ Normal ○ External (None)

Select Member Disks

⦿ Show Eligible ○ Show All

Quorum failure groups are used to store voting files in extended clusters and do not contain any user data. They require ASM compatibility of 11.2 or higher.

	Disk Path	Header Status	Disk Name	Size (MB)	Failure Group	Quorum
☐	ORCL:SDAVGAFS	PROVISIONED		51199		☐
☐	ORCL:SDAVGDB1	PROVISIONED		51199		☐
☐	ORCL:SDAVGDB2	PROVISIONED		51199		☐
☐	ORCL:SDAVGFRA1	PROVISIONED		51199		☐
☐	ORCL:SDBVGAFS	PROVISIONED		51199		☐
☐	ORCL:SDBVGDB1	PROVISIONED		51199		☐
☐	ORCL:SDBVGDB2	PROVISIONED		51199		☐
☐	ORCL:SDBVGFRA1	PROVISIONED		51199		☐
☐	ORCL:SDCVGAFS	PROVISIONED		51199		☐

Note: If you do not see the disks which you believe are available, check the Disk Discovery Path and read/write permissions on the disks. The Disk Discovery Path limits set of disks considered for discovery.

Disk Discovery Path:<default>

Change Disk Discovery Path

Click on the Show Advanced Options button to change the disk group attributes. Disk Group compatibility attributes may need to be modified based on the usage of disk group for different versions of databases or ASM Cluster File Systems.
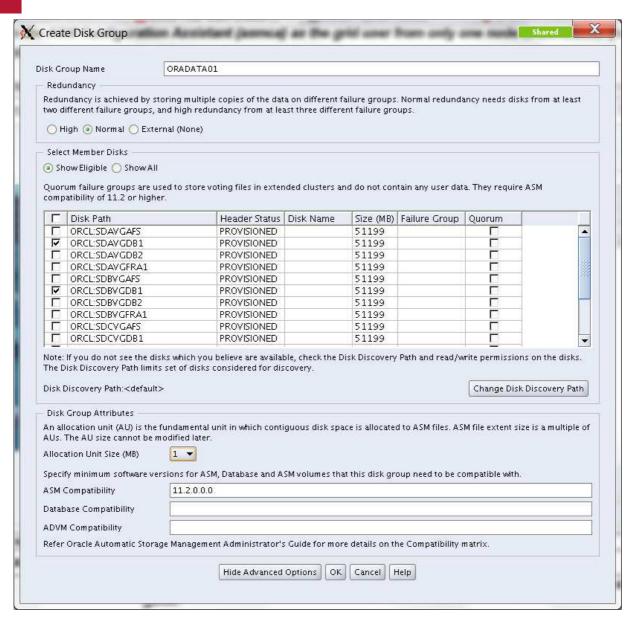
Show Advanced Options OK Cancel Help

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Create Disk Group | Shared | X

Disk Group Name: ORADATA01

Redundancy

Redundancy is achieved by storing multiple copies of the data on different failure groups. Normal redundancy needs disks from at least two different failure groups, and high redundancy from at least three different failure groups.

○ High ● Normal ○ External (None)

Select Member Disks

● Show Eligible ○ Show All

Quorum failure groups are used to store voting files in extended clusters and do not contain any user data. They require ASM compatibility of 11.2 or higher.

	Disk Path	Header Status	Disk Name	Size (MB)	Failure Group	Quorum	
☐	ORCL:SDAVGAFS	PROVISIONED		51199		☐	
☑	ORCL:SDAVGDB1	PROVISIONED		51199		☐	
☐	ORCL:SDAVGDB2	PROVISIONED		51199		☐	
☐	ORCL:SDAVGFRA1	PROVISIONED		51199		☐	
☐	ORCL:SDBVGAFS	PROVISIONED		51199		☐	
☑	ORCL:SDBVGDB1	PROVISIONED		51199		☐	
☐	ORCL:SDBVGDB2	PROVISIONED		51199		☐	
☐	ORCL:SDBVGFRA1	PROVISIONED		51199		☐	
☐	ORCL:SDCVGAFS	PROVISIONED		51199		☐	
☐	ORCL:SDCVGDB1	PROVISIONED		51199		☐	

Note: If you do not see the disks which you believe are available, check the Disk Discovery Path and read/write permissions on the disks. The Disk Discovery Path limits set of disks considered for discovery.

Disk Discovery Path:<default>

[Change Disk Discovery Path]

Disk Group Attributes

An allocation unit (AU) is the fundamental unit in which contiguous disk space is allocated to ASM files. ASM file extent size is a multiple of AUs. The AU size cannot be modified later.

Allocation Unit Size (MB): [1 ▼]

Specify minimum software versions for ASM, Database and ASM volumes that this disk group need to be compatible with.

ASM Compatibility: 11.2.0.0.0

Database Compatibility:

ADVM Compatibility:

Refer Oracle Automatic Storage Management Administrator's Guide for more details on the Compatibility matrix.

[Hide Advanced Options] [OK] [Cancel] [Help]

Disk Group: Creation | Shared | X

ⓘ Disk Group ORADATA01 created successfully.

[OK]

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