

Dell™ with Oracle® Database 12c R1 on Oracle VM Server 3.2



Oracle Database 12c R1 on Oracle VM 3.2



Minimum Hardware / Software Requirements (Updated 9/15/2013—for details, see below)	
	Dell Validated Components
Oracle Software & Licenses	Oracle Database 12c R1
Oracle Patch Set	Oracle Database 12c R1 12.1.0.1
Host Operating System	Oracle VM Server 3.2.4 or higher Oracle VM Manager 3.2.4 or higher
Paravirtualized Guest VM Operating System	Oracle Linux 6.4 or higher
Recommended Support Contract	Dell ProSupport and Oracle supported
Supported PowerEdge Servers	12g: M620, M820
Memory	All valid PowerEdge memory configurations
Dell Compellent Storage Array	SC8000, SC-40
Fibre Channel Switch	Brocade M6505
HBA's	Qlogic: QME2572, QME2662 Emulex: LPm16002B-D
Ethernet Interfaces	Broadcom: BCM57810S, BCM5719, BCM57810S
Ethernet Switches	Force10: MXL 10/40 GbE PowerConnect: M8024-k, M8428-k, M6348, M6220
RAID Controllers (for internal storage only)	H310, H710, H710p
Internal Disk Drive	All valid PowerEdge internal storage configurations

For more information visit Dell.com/Oracle

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Minimum Hardware / Software Requirements (Updated 9/15/2013—for details, see below)		
	Single Node minimum configuration	RAC minimum configuration
Supported PowerEdge Servers	1 only	1 only
Memory	1 DIMM / channel / processor	1 DIMM / channel / processor
Host Ports (per node)	Public Network (1 GbE / 10 GbE) : 1 Private Network (1 GbE / 10 GbE) : N/A Storage Network (iSCSI, FC, SAS) : 2	Public Network (1 GbE / 10 GbE) : 1 Private Network (1 GbE / 10 GbE) : 2 Storage Network (iSCSI, FC, SAS) : 2
Network Switches	Public Network (1 GbE / 10 GbE) : 1 Private Network (1 GbE / 10 GbE) : N/A Storage Network (iSCSI, FC) : 2	Public Network (1 GbE / 10 GbE) : 1 Private Network (1 GbE / 10 GbE) : 2 Storage Network (iSCSI, FC) : 2
RAID Controllers (for internal storage only)	1	1
Internal Disk Drive	73 GB RAID1	73 GB RAID1

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Dell PowerEdge Servers				
	Model	BIOS	ESM — BMC Firmware	Notes
Dell 12g PowerEdge Servers	M620	1.6.1	1.37.35, A00 (iDRAC7)	Blade Server
	M820	1.5.1	1.37.35, A00 (iDRAC7)	Blade Server

Internal Disks RAID		
Model	Firmware	Driver
H310	20.12.0-0004	00.00.05.40-rc1 (megaraid_sas)
H710 / H710P	21.1.0-0007, A03	00.00.05.38-rh (megaraid_sas)

Network Interconnect	
Model	Driver
Broadcom NetXtreme II 10 GbE Family of Adapters	Driver version (bnx2x) = 1.72.50-0
Broadcom NetXtreme II GbE Family of Adapters	Driver version (bnx2) = 2.2.3
Native teaming driver	Driver version (bonding) = 3.7.1

Fibre Channel and SAS HBAs	
QLogic HBAs	
QME 2662, QME 2572	Bios = 3.00; Driver version = 8.04.00.08.39.0-k
Emulex HBAs	
LPm16002B-D	Firmware = 1.1.21.4; Driver version = 8.3.5.82.2p

Fibre Channel Switches	
Brocade Fibre Channel Switches	
M6505	Firmware Version = 7.0.1 or higher

Ethernet Switches	
Dell PowerConnect M6348 1 GbE Blade Switch	Firmware = 5.1.0.1, A24 or higher
Dell PowerConnect M8024-k 10GbE Blade Switch	Firmware = 5.1.0.1, A10 or higher
Dell PowerConnect M8428-k 10GbE Blade Switch	FOS v6.3.1
Dell Force10 MXL 10GbE Blade Switch	Force10 OS (FTOS) = 8.3.16.4, A03

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Fibre Channel Storage	
Dell Compellent SC8000	Storage Center 6.3 or higher
Dell Compellent SC-40	Storage Center 6.3 or higher

Software	
Dell Systems Management Tools and Documentation DVD	DVD provided by your Dell PowerEdge Server Bundle (support.dell.com)

Notes:

1. Dell | Oracle Certification is done using Oracle's [Oracle Validated Configuration \(OVC\) program](#). The Oracle Linux Test (OLT) tool kit used for testing certifies only single instance databases for OVM Server

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