

Dell™ with Oracle® Database 11g R2 on Oracle Linux 6.4 with Unbreakable Enterprise Kernel



Oracle Database 11g R2 on Oracle Linux 6.4



Minimum Hardware / Software Requirements (Updated 9/15/2013—for details, see below)	
	Dell Validated Components
Oracle Software & Licenses	Oracle Database 11gR2
Oracle Patch Set	Oracle Database 11g R2 Patch Set 11.2.0.3, 11.2.0.4
Operating System	Oracle Linux 6.4 with kernel 2.6.39-400.17.1.el6uek.x86_64 or later
Recommended Support Contract	Dell ProSupport and Oracle supported
Supported PowerEdge Servers	12g: R720, R620, M820, T620, R720xd
Memory	All valid PowerEdge memory configurations
Dell Compellent Storage Array	SC8000, SC-40
Fibre Channel Switch	Brocade 6510, 6505, M6505, 6520, 300
HBA's	Qlogic: QLE256x, QLE266x Emulex: LPm16002B-D
Ethernet Interfaces	Broadcom BCM57800, 5720/5719, 57800S/57810S
Ethernet Switches for Private Interconnect	Force10 S55, S60, S4810, S4820T, MXL 10/40 GbE Power Connect: 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) : 0	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) : 0	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	R720, R620	1.6.0	1.40.40, A00 (iDRAC7)	
	M820	1.5.1	1.37.35, A00 (iDRAC7)	Blade Server

Internal Disks RAID		
Model	Firmware	Driver
H310	20.11.0-0002, A05	00.00.05.40-rh1 (megaraid_sas)
H710/H710p	21.2.0-0007, A03	06.505.02.00 (megaraid_sas)

Network Interconnect	
Model	Driver
Broadcom NetXtreme II GbE Family of Adapters	Driver version (bnx2) = 2.2.3n
Broadcom NetXtreme II 10 GbE Family of Adapters	Driver version (bnx2x) = 1.76.54

Ethernet Switches	
Dell PowerConnect M6348 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
Dell M I/O Aggregator Blade Switch	Force10 OS (FTOS) = 8.3.17.2 or higher
Dell Force10 S55/S60	Force10 OS (FTOS) = 8.3.3.8 or higher
Dell Force10 4810	Force10 OS (FTOS) = 8.3.12.1 or higher
Dell Force10 4820T	Force10 OS (FTOS) = 8.3.10.2 or higher

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Fibre Channel and SAS HBAs	
QLogic HBAs	
QLE256x, QLE266x	Bios = 3.00; Driver version = 8.05.00.03.39.0-k
Emulex HBAs	
LPm16002B-D	Firmware = 1.1.21.4; Driver version = 8.3.7.10.4p

Fibre Channel Switches	
Brocade Fibre Channel Switches	
6505, 6510, 6520, 300	Firmware Version = 6.2.0c or higher

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	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](#).

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