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DELL(TM) POWERVAULT(TM) 22xS SYSTEMS  
Release notes version 2.0  
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This readme file contains information about important information not covered in product documentation, as well as a list of supported components for Dell PowerVault 22xS systems.

See the Dell Support website at "support.dell.com" for the most current information.

This readme file contains the following sections:

- \* Important Information
- \* Supported Components
- \* Revision history

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**IMPORTANT INFORMATION**  
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The following are important information for Dell PowerVault 22xS systems.

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**U160 or U320 enclosure**  
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A sticker on the EMM controller identifies if the controller supports U320 speeds. If your EMM does not support U320 and you wish to upgrade, contact your Dell representative to purchase an upgrade kit.

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**Audible Alarm**  
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The audible alarm sounds if the split-bus module is not installed, even if the alarm is disabled.

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**Bus Configuration Switch Position**  
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Rack mount systems (220S):

- \* Top = joined-bus mode
- \* Center = split-bus mode
- \* Bottom = cluster mode

Tower systems (221S):

- \* Right = joined-bus mode

- \* Center = split-bus mode
- \* Left = cluster mode

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### Events that Require Rebooting

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Restart the host system whenever you change your system configuration and the host system uses either of the following host bus adapters (HBAs):

- Adaptec 3960D (39160)
- PERC 3/DI (on Dell PowerEdge(TM) 2500 and 4400 systems only)

Restart the storage system and the host system whenever you change the bus configuration switch setting on the storage system.

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### Microsoft(R) Windows(R) 2000 "New Hardware Found" Message

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If your system is running Windows 2000, the "New Hardware Found" dialog box may appear prompting you to install a storage system driver. To suppress the dialog box, install the "DellBP.inf" driver file included in the Resource CD.

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### Updating Your Firmware on Systems Running Dell OpenManage(tm)

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If your storage system is configured for split-bus mode and you upgrade the Enclosure Management Module (EMM) firmware, the correct version of the alternate EMM will not appear in the Array Manager "Properties" window until after you cycle power to the 22xS storage system.

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## SUPPORTED COMPONENTS

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The PowerVault 22xS supports the following hardware and software components. See the Dell website for updated support information.

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### Supported Dell PowerEdge Systems

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- \* PowerEdge 600, 650, 700, 750, 1300, 1400, 1550, 1650, 1750, 1800, 1850, 2300, 2400, 2450, 2500, 2550, 2600, 2650, 2800, 2850, 3250, 4300, 4350, 4400, 4600, 6300, 6350, 6400, 6450, 6600, 6650, 7150, 7250, and 8450

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### Supported Dell PowerVault Systems

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\* PowerVault 745N, 750N, 755N, 770N and 775N

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## Other Supported Systems

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\* Oracle8i Appliance

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## Supported SCSI Hard Drives

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- \* 18 gigabyte (GB) - 10,000 rpm and 15,000 rpm
- \* 36 GB - 10,000 rpm and 15,000 rpm
- \* 73 GB - 10,000 rpm and 15,000 rpm
- \* 146 GB - 10,000 rpm and 15,000 rpm
- \* 300 GB - 10,000 rpm

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## Supported RAID Controllers

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- \* PERC 2/DC
- \* Dell PowerEdge Expandable RAID Controller 2/Quad Channel (PERC 2/QC)
- \* PERC 3/DC
- \* PERC 3/QC
- \* PERC 3/DCL
- \* PERC 3/Di (only on PowerEdge 2500 and 4400 systems)
- \* PERC 4/SC
- \* PERC 4/DC
- \* PERC 4/Di
- \* PERC 4e/DC
- \* PERC 4e/Di

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## Supported HBAs

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- \* Adaptec 2940U2W
- \* Adaptec 3960D (39160)

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## Supported Cables

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- \* U160 - 1 meter (m), 2 m, 4 m, 8 m, 12 m
- \* U320 - 1 meter (m), 2 m, 4 m, 8 m, 12 m
- \* Non-RAID HBA - 1 m, 2 m, 4 m

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## Supported Operating Systems

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## 32 Bit Operating Systems

- \* Microsoft Windows 2003 Server
- \* Microsoft Windows 2003 Advanced Server
- \* Microsoft Windows 2003 Datacenter
- \* Microsoft Windows 2000 Server
- \* Microsoft Windows Advanced Server
- \* Microsoft Windows 2000 Datacenter
- \* Microsoft Windows NT(R) Server 4.0 (including Enterprise Edition)
- \* Microsoft Backoffice (R) Small Business Server 4.5
- \* Novell(R) NetWare(R) 4.2, 5.1, 6.0 and 6.5
- \* Red Hat Linux 2.1 and 3.0
- \* Red Hat Linux 8.0 and 9.0
- \* Red Hat Linux 6.2 and 7.0 (no array management)

## 64 Bit Operating Systems

- \* Microsoft Windows Server 2003 for 64-bit Itanium based systems
- \* Linux for 64-bit Itanium based systems
- \* Linux 64-bit EM64T

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## Supported Software

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- \* Dell OpenManage(TM) Array Manager version 3.1 or later
- \* Dell OpenManage(TM) Storage Services
- \* Dell OpenManage Server Assistant
- \* Dell OpenManage IT Assistant version 6.2 or later
- \* Dell PowerApp(TM) solutions software

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## Recommended Software/firmware revisions

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- \* Dell OpenManage™ Array Manager version 3.4 or later
- \* EMM firmware version E.17 or later

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## Cluster Support

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- \* Two-node clusters, including PowerEdge Cluster SE400, SL400 and SE500

NOTE: PowerVault 20xS/21xS and PowerVault 22xS storage systems cannot be used in the same cluster.

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## REVISION HISTORY

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### Version 2.0 changes

- \* Updated supported NAS and PowerEdge systems
- \* Updated supported operating systems

- \* Updated supported hard disk drives
- \* Updated cable lengths supported for U320 systems
- \* Updated supported PERC & HBA Matrix
- \* Added recommended software/firmware revisions section

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