Overview of Dell EqualLogic™ Products and Resources

Thank you for your interest in Dell EqualLogic™ PS Series storage products. We hope you will find them intuitive and simple to configure and manage.

PS Series Hardware

PS Series arrays are designed to be highly available and optimize resources by automating volume and network load balancing.

• PS6000 Series – Enterprise Oriented, 16 drive, 3U chassis with full features
S6000S – Low Latency, High Random IO SSD
    For more information: http://www.equallogic.com/products/Default.aspx?id=7881

  — S6000XV – Performance Oriented 15,000 RPM SAS
    For more information: http://www.equallogic.com/products/Default.aspx?id=7897

  — S6000X – Balanced Performance and Capacity 10,000 RPM SAS
    For more information: http://www.equallogic.com/products/Default.aspx?id=7889

  — S6000E – Cost Effective SATA
    For more information: http://www.equallogic.com/products/default.aspx?id=7873

• PS6500 Series – Enterprise Oriented, 48 drive, 4U chassis with full features
S6500E – High Density SATA
For more information: http://www.equallogic.com/products/default.aspx?id=7905

PS Series Software

In addition to the scalable hardware, PS Series arrays provide as part of your warrantee or support contract all-inclusive array management software, host software, and firmware updates. The following value-add features and products integrate with PS Series arrays and are included t for the duration of your warrantee or support agreement.

- Firmware - Installed on each array, PS Series firmware software allows you to manage your storage environment and provides capabilities such as volume snapshots, cloning, and replication to ensure data hosted on the arrays is protected in the event of an error or disaster.
  For more information: http://www.equallogic.com/resourcecenter/assetview.aspx?id=5601

  — Group Manager GUI: Provides a graphical user interface for managing a group.

— Group Manager CLI: Provides a command line interface for managing a group.

- Manual Transfer Utility (MTU) – Runs on Microsoft® Windows® and Linux systems and enables you to use physical media to securely transfer large amounts of data to a replication partner, facilitating replication and preventing network congestion.

Host Software for Windows

- Host Integration Tools
  — Remote Setup Wizard (RSW): Initializes new PS Series arrays, configures host connections to PS Series groups, and configures and manages multipathing.

For more information: http://www.equallogic.com/resourcecenter/assetview.aspx?id=5601

  — Multipath I/O Device Specific Module (MPIO DSM): Includes a connection awareness-module that understands PS Series network load balancing and facilitates host connections to PS Series volumes.

For more information: http://www.equallogic.com/resourcecenter/assetview.aspx?id=5255

  — VSS and VDS Provider Services: Allows 3rd party backup software vendors to perform off-host backups.

For more information:
  - CommVault® - http://www.equallogic.com/partnerships/default.aspx?id=6099
  - Symantec™ - http://www.equallogic.com/partnerships/default.aspx?id=6295

  — Auto-Snapshot Manager/Microsoft Edition (ASM/ME): Uses PS Series snapshots, cloning, and replication to provide point-in-time protection of critical data for supported applications, including SQL Server®, Exchange Server, Hyper-V™, and NTFS file shares.

For more information:

SQL - http://www.equallogic.com/resourcecenter/assetview.aspx?id=6643
Exchange - http://www.equallogic.com/resourcecenter/assetview.aspx?id=5897
Hyper-V - http://www.equallogic.com/resourcecenter/assetview.aspx?id=8133

  — SAN HeadQuarters (SANHQ): Provides centralized monitoring, historical performance trending, and event reporting for multiple PS Series groups.

Host Software for VMware
— Storage Adapter for Site Recovery Manager (SRM): Allows SRM to understand and recognize PS Series replication for full SRM integration.

For more information: http://www.equallogic.com/resourcecenter/assetview.aspx?id=7097
— Auto-Snapshot Manager/VMware® Edition (ASM/VE): Integrates with VMware Virtual Center and PS Series snapshots to allow administrators to enable Smart Copy protection of Virtual Center folders, datastores, and virtual machines.

For more information: http://www.equallogic.com/resourcecenter/assetview.aspx?id=5921

Current Customers Please Note: You may not be running the latest versions of the tools and software listed above. If you are under a valid warranty or support agreement for your PS Series array, you are entitled to obtain the latest updates and new releases as they become available.

Please log on to the EqualLogic Support Site at:
https://www.equallogic.com/secure/login.aspx?ReturnUrl=%2fsupport%2fDefault.aspx using your EqualLogic Support Account to download your software. If you do not have an EqualLogic Support Account, you can request one from the same page.

Live Product Demonstrations

Available for a wide variety of topics, including base features, Microsoft integration, and VMware integration, live product demonstrations allow you to see the products in action and ask questions of a subject matter expert. Sign up for a demo today at:
http://www.equallogic.com/resourcecenter/democenter.aspx

Dell Power Solutions Magazine

The Dell Power Solutions magazine has numerous articles related to the EqualLogic PS Series products:

Implementing Enterprise-Wide Data Protection with Dell EqualLogic SANs and Microsoft DPM 2007
http://www.dell.com/downloads/global/power/ps2q08-20080231-Albatal.pdf
Inside the EqualLogic PS Series iSCSI Storage Arrays
http://www.dell.com/downloads/global/power/ps1q08-20080249-EqualLogic.pdf
Flexible Virtualization with EqualLogic PS Series iSCSI Storage Arrays
http://www.dell.com/downloads/global/power/ps1q08-20080250-EqualLogic.pdf
Business Continuity for SMBs with EqualLogic PS Series iSCSI Storage Arrays
http://www.dell.com/downloads/global/power/ps1q08-20080252-EqualLogic.pdf
How Thin Provisioning with Dell EqualLogic iSCSI Storage Arrays Simplifies Management
http://www.dell.com/downloads/global/power/ps2q08-20080314-EqualLogic.pdf
Application-Aware Data Protection with Dell EqualLogic Auto-Snapshot Manager
http://www.dell.com/downloads/global/power/ps3q08-20080394-Doherty.pdf
Automated Disaster Recovery with VMware SRM and Dell EqualLogic iSCSI SANs

http://www.dell.com/downloads/global/power/ps3q08-20080395-Gilman.pdf
High-Density, Highly Scalable Storage: Dell EqualLogic PS5500E iSCSI SANs
http://www.dell.com/downloads/global/power/ps4q08-20080396-Locsin.pdf

How Dell EqualLogic Auto-Snapshot Manager/VMware Edition Helps Protect Virtual Environments
http://www.dell.com/downloads/global/power/ps4q08-20090107-Gilman.pdf
Extending Benefits of Virtual Remote Desktops Using VMware and Dell EqualLogic SANs
http://www.dell.com/downloads/global/power/ps4q08-20090108-Sherbak.pdf
 Akorri BalancePoint: End-to-End Visibility Across Virtualized Servers and Dell EqualLogic iSCSI SANs
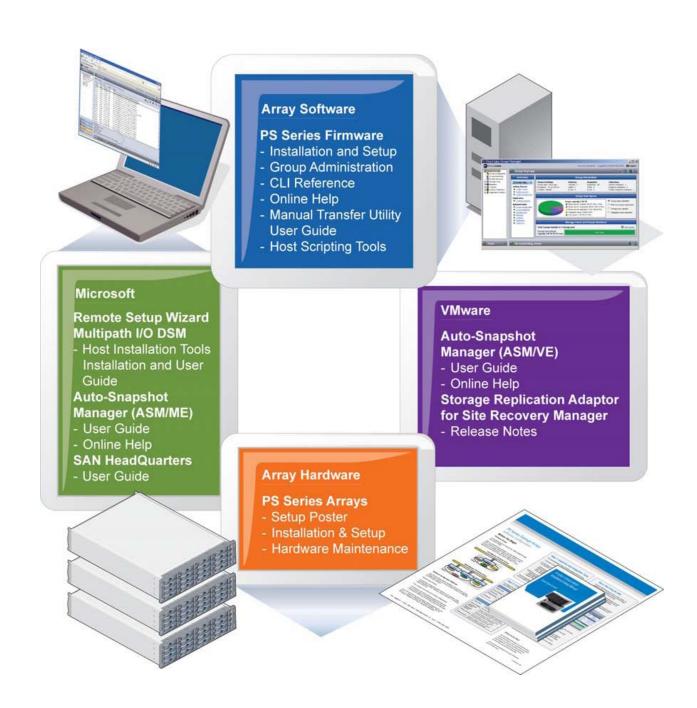http://www.dell.com/downloads/global/power/ps1q09-20090109-Akorri.pdf
Simplified Management of Dell EqualLogic PS Series iSCSI SANs in Citrix XenServer
http://www.dell.com/downloads/global/power/ps1q09-20090179-Citrix.pdf
How Dell EqualLogic Auto-Snapshot Manager and Veritas NetBackup Enable Off-Host Backups
http://www.dell.com/downloads/global/power/ps1q09-20090182-Doherty.pdf
Advancing Integration of Microsoft Hyper-V and Dell EqualLogic Virtualized SANs
http://www.dell.com/downloads/global/power/ps1q09-20090183-Stevens.pdf

Technical Product Documentation

For detailed information about PS Series arrays, groups, volumes, array software, and host software, see the product documentation located on the EqualLogic customer support site. For more information: https://www.equallogic.com/support/resources.aspx?id=2495

Array Software

PS Series Firmware
- Installation and Setup
- Group Administration
- CLI Reference
- Online Help
- Manual Transfer Utility User Guide
- Host Scripting Tools

Microsoft

Remote Setup Wizard Multipath I/O DSM
- Host Installation Tools Installation and User Guide

Auto-Snapshot Manager (ASM/ME)
- User Guide
- Online Help

SAN HeadQuarters
- User Guide

Array Hardware

PS Series Arrays
- Setup Poster
- Installation & Setup
- Hardware Maintenance

VMware

Auto-Snapshot Manager (ASM/VE)
- User Guide
- Online Help

Storage Replication Adaptor for Site Recovery Manager
- Release Notes

Technical Support and Customer Service

Dell's support service is available to answer your questions about PS Series SAN arrays. If you have an Express Service Code, have it ready when you call. The code helps Dell's automated-support telephone system direct your call more efficiently.

Contacting Dell

Dell provides several online and telephone-based support and service options. Availability varies by country and product, and some services might not be available in your area.

For customers in the United States, call 1800BuyDell (1800-289-3355)
Dell offers a wide range of specialized services and support options, if you already have a system you can visit www.support.dell.com and input your service tag for your regional technical support team's contact information.
        If you do not have access to an Internet connection, contact Dell at 1800BuyDell (1800-289-3355)

Use the following procedure to contact Dell for sales, technical support, or customer service issues:
1. Visit support.dell.com or the Dell support URL specified in information provided with the Dell product.

2. Select your locale. Use the locale menu or click on the link that specifies your country or region.

3. Select the required service. Click the "Contact Us" link, or select the Dell support service from the list of services provided.

4. Choose your preferred method of contacting Dell support, such as e-mail or telephone.

Online Services

You can learn about Dell products and services using the following procedure:
1. Visit www.dell.com (or the URL specified in any Dell product information).

2. Use the locale menu or click on the link that specifies your country or region