Dell EqualLogic Array Software

Dell™ delivers three categories of software for the EqualLogic™ family of storage arrays. EqualLogic Array Software provides advanced SAN functions that enable virtualized storage and best-practice data protection. EqualLogic Host Software extends the functionality of the array software enabling cooperation with the host. EqualLogic SAN Headquarters is a feature-rich monitoring and analysis tool that provides in-depth information on SAN functions providing storage managers with the tools needed to tune and optimize their storage infrastructure.

The tools you need to virtualize, optimize and protect your data

With EqualLogic Array Software, you don't need to choose between data protection and performance. EqualLogic Array Software automatically virtualizes and optimizes resources within the SAN to deliver consistent application performance and features all the tools required for developing a sound data protection strategy. The EqualLogic Array Software family includes EqualLogic Firmware, EqualLogic Group Manager and EqualLogic Manual Transfer Utility.

Delivering consistent performance with EqualLogic Firmware

EqualLogic Firmware is a SAN operating system integrated across the entire family of EqualLogic storage arrays; which virtualizes SAN resources and provides intelligent data management functionality. An essential component of the software is the capability to automatically adjust system resources, optimizing performance and capacity, and reducing human intervention.

EqualLogic Firmware is a full-function SAN operating system providing features natively that are often expensive add-ons with other SAN vendors. Features like automatic load-balancing, thin provisioning, snapshots, replication and multi-path I/O are just a few of the features integrated in EqualLogic Firmware.

You control the infrastructure and we make it work

EqualLogic Group Manager is a SAN management tool integrated with the EqualLogic Firmware that provides detailed information on SAN configuration, and provides storage managers with an easy-to-use tool for storage provisioning, replication scheduling and array management. The EqualLogic Group Manager is available as a command line interface (CLI) or java based graphical user interface (GUI) that can be accessed from Microsoft® Internet Explorer® or Mozilla® Firefox® web browsers with a connection to the EqualLogic SAN.

EqualLogic Manual Transfer Utility is a host based tool that enables the secure transfer of large amounts of data using removable media. Integrated with the native replication function of the EqualLogic Firmware, EqualLogic Manual Transfer Utility is beneficial in environments where data protection is critical but bandwidth is limited.

Investment protection with all-inclusive SAN solutions

With the EqualLogic family of storage arrays, Dell provides comprehensive SAN solutions designed to meet a wide range of business needs. For one price, customers receive a fault-tolerant, fully-redundant array, as well as all the software features required to virtualize, optimize and protect their data; all this without the management hassles that come with multiple software licenses or support contracts. Additionally, customers who commit to a yearly Dell ProSupport* contract can implement new software features and enhancements as they become available, extending the value of their investment in EqualLogic products.

Feature	Dell™ EqualLogic™ Firmware and Dell™ EqualLogic™ Group Manager
Management	Roles-Based Administration, Volume Management, Dell EqualLogic Group Manager CLI or GUI
Data Protection, Availability and Recovery	Auto-Replication (Multi-Site), Instant Volume Restore, Multi-Volume Writeable Snapshots, Snapshot and Auto-Replication Scheduler, Volume Cloning, Thin Clones, Volume Consistency Sets
Storage Virtualization	Non-disruptive array addition and removal, Automatic Load Balancing, Automatic or Manual Storage Tiering, Complete SAN Virtualization, Online Data and Volume Movement, Automatic load balancing of volumes across RAID types, Storage Pools, Thin Provisioning, SAN Data Copy Off-load, SAN Zero Off-load and Scalable Lock Management for VMware
Maintenance	Auto-Stat Disk Monitoring System , E-mail Home, Enclosure Monitoring System, Detailed Historical Performance Monitoring
Technical Highlights	
SAN Group Maximums	EqualLogic Firmware can support up to 16 arrays in one group enabling maximum SAN resources of up to: 1.5 PB† , 768 drives, 64 active ports, 32 storage controllers, 64 GB† mirrored memory
Operating Platforms	EqualLogic Firmware is supported on the entire family of EqualLogic storage arrays
Supported Host Environments	Microsoft® Windows Server® 2003, Windows Server® 2008, including Hyper-V™, Windows Server® 2008 R2, including Hyper-V™, VMware® ESX Server 3 / 3.5 / 4, VMware® ESXi 3.5 / 4, Citrix® XenSource, Red Hat® Enterprise Linux®, SUSE® Linux Enterprise, Sun™ Solaris, IBM® AIX, HP-UX®, Mac OS® X, Novell® NetWare® EqualLogic Group Manager is qualified to manage EqualLogic PS Series array groups
User Interface	EqualLogic Group Manager provides a command line interface (CLI) and a java-based graphical user interface (GUI) compatible with Microsoft® Internet Explorer and Mozilla® Firefox® web browsers.
Packaging	Embedded with each EqualLogic array purchased
Availability	EqualLogic software is included in the cost of the array. Customers with a valid Dell ProSupport* agreement can download software updates without paying additional license fees.

Feature	Dell™ EqualLogic™ Manual Transfer Utility
Target Uses	Initial replication of large volumes, Replication of volumes after significant changes, Failback of large volumes
Key Features	File compression, Data Encryption, Password protection, Transfer status updates, Replication and Failback, Transfer continuation after interrupt
Technical Highlights	
Transfer Media	Removable media including high-capacity tape, portable disk drive, DVD-ROM, or Blu-ray disk Portable computer that has access to both EqualLogic groups
Operating Platforms	Microsoft® Windows Vista®, Windows® XP, Windows® 7; Microsoft® Windows Server® 2003, Windows Server® 2008, Windows Server® 2008 R2; Red Hat® Enterprise Linux® and SUSE® Linux Enterprise
Managed Environments	EqualLogic Manual Transfer Utility is designed for EqualLogic storage array groups
User Interface	The EqualLogic Manual Transfer Utility can be launched from the EqualLogic Group Manager graphical user interface (GUI) or accessed through a command line interface (CLI)
Packaging	Available for download
Availability	EqualLogic software is included in the cost of the array. Customers with a valid Dell ProSupport* agreement are eligible to download software updates without paying additional license fees.

Simplify your storage at Dell.com/PSseries