



Dell EqualLogic Array Software

The Dell™ EqualLogic™ Array Software, including EqualLogic Firmware, EqualLogic Group Manager and EqualLogic Manual Transfer Utility, gives you the functionality to meet your current needs while preparing for future demands.

Build a strong foundation

EqualLogic Array Software provides you with advanced SAN (Serial Attached Network) functions that enable virtualized storage and data protection. EqualLogic Host Software integrates the functionality of your array with your host applications. EqualLogic SAN Headquarters (SAN HQ) is feature-rich management software for monitoring, analyzing, and optimizing your SAN.

With EqualLogic Array Software, you don't need to choose between data protection, capacity, performance and advanced management. EqualLogic Array Software features all the tools required for developing a sound data protection strategy and automatically virtualizes and optimizes resources within the SAN to deliver consistent application performance.

EqualLogic Firmware is a full-function SAN operating system integrated across the entire family of EqualLogic storage arrays that virtualizes SAN resources and provides Fluid Data™ functionality. An essential component of the software is the capability to automatically adjust system resources—optimizing performance and capacity and reducing effort for your storage manager.

Amp up performance with firmware for the future

Dell EqualLogic Firmware version 5.1, available Q3 2011, offers new features so your hardware can continue to meet your current needs and grow with you as the demands of the virtual era increase.

In addition to existing features such as automatic load-balancing, thin provisioning, snapshots, replication and multi-path I/O, version 5.1 brings you new functionality including Data Center Bridging, enhanced load balancing, VMware® Thin Provisioning awareness for vSphere™ v4.1, auditing of administrative actions, and Microsoft® Active Directory Integration.

Control your infrastructure

EqualLogic Group Manager is a SAN management tool integrated with the EqualLogic Firmware that provides you with detailed information on your SAN configuration, and provides you 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 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.

Boost your storage

With Dell EqualLogic Firmware 5.1 enhanced load balancing, you can attain up to 3x performance boosts over previous EqualLogic Firmware releases.¹

¹Based on 2011 internal Dell testing, performed on Dell™, PowerConnect™ 6248, PowerEdge™ R710, EqualLogic PS6000XV-450, and EqualLogic PS6000S-100 systems.

Feature	Dell™ EqualLogic™ Array Software
Management	Microsoft® Active Directory Integration*, Auditing of Administrative actions*, Roles-Based Administration, Volume Management, Dell EqualLogic Group Manager CLI or GUI
Data Protection, Availability and Recovery	Data Center Bridging*, Auto-Replication (Multi-Site), Instant Volume Restore, Multi-Volume Writeable Snapshots, Snapshot and Auto-Replication Scheduler, Volume Cloning, Thin Clones, Volume Consistency Sets Manual Transfer Utility offers File compression, Data Encryption, Password protection, Transfer status updates, Replication and Failback, Transfer continuation after interrupt
Storage Virtualization	Enhanced Load Balancing*, VMware® Thin Provisioning awareness for vSphere™ v4.1 to complement the existing Thin Provisioning*, Non-disruptive array addition and removal, Automatic or Manual Storage Tiering, Complete SAN Virtualization, Online Data and Volume Movement, 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 ¹ , 768 drives, 64 active ports, 32 storage controllers, 64 GB ¹ 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 3/3.5/4/4.1, VMware® ESXi™ 3.5/4/4.1, 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 CLI and a GUI compatible with Microsoft® Internet Explorer and Mozilla® Firefox® web browsers.
Packaging	Embedded
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
User Interface	EqualLogic Group Manager can be accessed from the graphical-user interface (GUI) or through a command-line interface (CLI); Manual Transfer Utility from Group Manager
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.

¹GB means 1 billion bytes, TB equals 1 trillion bytes and PB equals 1 quadrillion bytes; actual capacity varies with preloaded material and operating environment and will be less.

*Feature available with the release of EqualLogic Firmware 5.1.

**Availability and terms of Dell Services vary by region. For more information, visit www.dell.com/servicedescriptions.

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