



Dell EqualLogic Host 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 benefits of cooperative virtualization

The EqualLogic Host Software family includes several host-based tools that feature easy-to-use interfaces for extending the functionality of EqualLogic Firmware, enabling cooperation with the host. Through this integration, EqualLogic Host Software can deliver advanced data protection, high availability and performance and simplified management of application data and virtual machines for Microsoft® and VMware® environments

Simple, flexible configuration and setup

With the EqualLogic Remote Setup Wizard, traditionally tedious setup and maintenance tasks are simplified using an intuitive, step-by-step user interface. A Dell™ EqualLogic™ SAN can be setup and fully operational in minutes right out of the box—not in hours or days like other SAN products. Configuration of multi-path I/O (MPIO) between your Windows servers and a Dell EqualLogic SAN—a multi-step operation with the basic Microsoft iSCSI driver—is vastly simplified with our wizard. This results in significant time savings and the assurance that MPIO has been configured properly to maximize the availability and performance of your deployment. For future upgrades, the Remote Setup Wizard helps you quickly and easily add PS Series arrays for online scale-out of storage capacity and linear, incremental performance improvement.

Enhanced data backup and recovery for virtual environments

Dell helps simplify and automate backup and recovery tasks for virtual infrastructures with a family of tools that enhance the efficiency and performance of data protection tasks in Microsoft and VMware environments.

EqualLogic Auto-Snapshot Manager/Microsoft® Edition (ASM/ME) coordinates and automates the creation,

recovery and scheduling of Volume Shadow Copy Service (VSS) - compliant Dell EqualLogic SAN-based snapshots of Hyper-V virtual machines helping enhance protection, storage utilization, and performance. Auto-Snapshot Manager/Microsoft® Edition also provides enhanced data protection for application environments including Exchange Server, SQL Server® and Microsoft® NTFS in virtualized and non-virtualized environments.

Auto-Snapshot Manager/VMware Edition (ASM/VE) enables fast, online protection of VMware virtual machines and VMFS file systems. ASM/VE automates the creation, recovery and scheduling of snapshots and replicas, coordinating with vCenter and VMware's native snapshotting technology. With ASM/VE, VMware-based virtual infrastructures can achieve enhanced protection, storage utilization, and performance. Data protection in a VMware environment can be further enhanced with EqualLogic Storage Adapter for VMware Site Recovery Manager which integrates with VMware to provide centralized disaster recovery management, automation and testing for the entire virtualized datacenter.

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 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™ Remote Setup Wizard
Target Uses	Installation and Setup of EqualLogic PS Series Arrays, Configuration of Windows® Multipath I/O functionality, VSS Integration, On-line Installation of Arrays for SAN Scale-out
Key Features	Easy-to-use Graphical User Interface (GUI), Copy Off-load for Object Restore, iSCSI Provider for Microsoft HPC Server, Guided Setup, Enhanced Discovery of unconfigured arrays, Configuration of array-aware MPIO Connection Management
Technical Highlights	
Operating Platforms	Microsoft® Windows Vista®, Windows® XP, Windows® 7; Microsoft® Windows Server® 2003, Windows Server® 2008, Windows Server® 2008 R2
Managed Environments	EqualLogic Firmware; Microsoft® Windows Vista®, Windows® XP, Windows® 7; Microsoft® Windows Server® 2003, Windows Server® 2008, including Hyper-V™, Windows Server® 2008 R2, including Hyper-V™
User Interface	EqualLogic Remote Setup Wizard is a Microsoft® Windows-based graphical user interface
Packaging	Available for download as part of the HIT Kit for Microsoft
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™ Host Software for Windows®
Target Uses	Enhanced data protection for Microsoft® Hyper-V™, Exchange Server, SQL Server® and NTFS environments, Replication and recovery of (traditional and virtualized) Microsoft® application environments, MPIO connection management for Microsoft Server platforms
Software Titles	EqualLogic Auto-snapshot Manager/Microsoft Edition, EqualLogic Multipath I/O Device Specific Module, EqualLogic Volume Shadow Copy Service (VSS) and Virtual Disk Service (VDS) Provider Services
Key Features	Application consistent snapshots for Microsoft® Exchange Server, SQL Server® and NTFS file systems, VM-consistent snapshots of Microsoft® Hyper-V™ virtual machines, Snapshot and Auto-Replication Scheduler, Multipath I/O, Instant Volume Restore, Volume Cloning, Volume Consistency Sets
Technical Highlights	
Operating Platforms	Microsoft® Windows Vista®, Windows® XP, Windows® 7; Microsoft® Windows Server® 2003, Windows Server® 2008, Windows Server® 2008 R2
Managed Environments	Microsoft® Windows Server® 2003, Windows Server® 2008, Windows Server® 2008 R2; Microsoft® SQL Server® 2003, SQL Server® 2008; Microsoft® Exchange Server 2003, Exchange Server 2007 including LCR and SCR support, Exchange Server 2010
User Interface	EqualLogic Auto-Snapshot Manager is a Microsoft® Windows-based graphical user interface (GUI). Multipath I/O, VSS and VDS are configured through the EqualLogic Remote Setup Wizard GUI.
Packaging	Available for download as HIT Kit for Microsoft
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.
Feature	Dell™ EqualLogic™ Host Software for VMware®
Target Uses	Enhanced data protection for VMware® ESX and ESXi environments, Replication and recovery of VMware® virtualized environments, Speed recovery after a site loss, MPIO connection management for ESX and ESXi
Software Titles	EqualLogic Auto-snapshot Manager/VMware Edition EqualLogic Storage Adapter for VMware Site Recovery Manager EqualLogic Multipath Extension Module for VMware ESX
Key Features	VMFS consistent snapshots for ESX and ESXi virtual machines, Snapshots of virtual machines, virtual machine folders, data stores, clusters or the entire data center, Remote Replication, Snapshot and Auto-Replication Scheduler, Multipath I/O, Selective restore of individual virtual machines, Integration with VMware® vStorage APIs, Integrated vCenter organized views
Technical Highlights	
Operating Platforms	Microsoft® Windows Vista®, Windows® XP, Windows® 7; Microsoft® Windows Server® 2003, Windows Server® 2008, Windows Server® 2008 R2
Managed Environments	VMware® ESX 3, 3.5, 4, 4.1; VMware® ESXi 3.5, 4, 4.1
Requirements	EqualLogic Auto-Snapshot Manager/VMware Edition requires VMware Virtual Center 2.5 or vCenter 4 / 4.1. EqualLogic Multipath Extension Module for VMware ESX requires VMware vSphere 4.1 Enterprise Plus, EqualLogic Storage Adapter for VMware Site Recovery Manager requires VMware Site Recovery Manager 1.0 or 4.0
User Interface	EqualLogic Auto-Snapshot Manager is a Microsoft® Windows-based graphical user interface (GUI). EqualLogic Storage Adapter for VMware Site Recovery Manager is a VMware Site Recovery Manager plug-in that is accessed through VMware vCenter.
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.

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

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