



# Dell EqualLogic SAN HQ

Dell EqualLogic SAN Headquarters (SAN HQ) gives you the power to do more by providing in-depth reporting and analysis tools. With the information you get from SAN HQ, you can better customize, protect, and optimize your storage to meet the demands of today and prepare for tomorrow's growth.

## In-depth information for SAN management

SAN HQ is a key EqualLogic product in the Dell Fluid Data architecture—ensuring you have access to critical information about your systems no matter where they reside. Whether it's at the corporate data center, branch office facilities or disaster recovery sites, your Storage Area Networks (SANs) that support business-critical applications are growing and need to be monitored in a time and cost-effective manner. For ongoing operations planning, trend analysis and troubleshooting, you require SAN monitoring tools that can provide centralized access to detailed performance and event data, reporting, and intelligent alerts.

For users of Dell™ EqualLogic™ storage, the answer is SAN Headquarters (SAN HQ). SAN HQ uses Simple Network Management Protocol (SNMP) to collect performance, alarm and health status data from geographically dispersed EqualLogic storage array groups.

EqualLogic SAN HQ provides consolidated performance and robust event monitoring across multiple EqualLogic groups so you have a well-tuned EqualLogic SAN to meet and surpass your business requirements, so you can:

- Improve performance by identifying performance bottlenecks
- Effectively allocate group resources by identifying under-utilized assets within the SAN
- Improve availability by proactively identifying problems within your EqualLogic environment
- Assist in future planning by identifying requirements for storage growth

## Single-view monitoring and analytics across multiple EqualLogic SANs

SAN HQ enables centralized monitoring and analysis of multiple EqualLogic PS Series groups from a single graphical interface. You can see information on all of the monitored groups at a glance, including the group location, IP address and firmware version, as well as any alerts. These alerts range from basic hardware health status to more sophisticated analyses of latency on a given volume that may be impacting user experience or notification that a thin-provisioned volume is approaching an important capacity threshold.

If action is required, the EqualLogic Group Manager can be launched directly from SAN HQ giving you the ability to quickly adjust storage systems to meet business needs.

SAN HQ enables you to perform experimental analysis on the data collected to determine if a group has reached its full capabilities and identify requirements for storage growth and future planning.

## Better information combined with ease of use

SAN HQ's easy-to-use interface and rich data can help you with a number of common storage management activities. With one click on a group name in the summary or group tree in the sidebar, you can instantly see key summary statistics and trending graphs for performance, IOPS activity, latency and capacity of groups, members, disks and volumes.

Custom views of SAN health at a specific point in time or over a specific time period, can be defined using the slide bar in SAN HQ or by a simple click and drag directly in one of the detailed graphs. To better understand current or past characteristics of a SAN attribute, such as capacity or performance for a given application or volume, you can click on the filter view by volume, or use pre-defined views in the group tree sidebar.

The reporting features of SAN HQ allow for the ability to consolidate information on SAN performance into pre-defined, full-color reports for sharing information with other departments or providing presentation ready data to management. SAN HQ provides several reporting options to view the data for all groups or selected groups, as well as options for archiving data for future analysis.

## 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, you receive a fault-tolerant, fully redundant array as well as all the software features required to virtualize, optimize and protect your data. And, with a valid Dell ProSupport\* contract, you can implement new software features and enhancements as they become available, extending the value of your investment in EqualLogic products.

SAN HQ gives you the knowledge you need to virtualize, protect, and optimize your data storage

Dell EqualLogic is inspired by its users; Dell continues to enhance features and functionality of SAN Headquarters (SAN HQ) enabling you to streamline the management and operations of your EqualLogic SAN.

Dell™ EqualLogic™ SAN Headquarters	Features
Monitoring and analytics	Comprehensive Information of EqualLogic PS Series: groups, members, disks, volumes and volume collections: <ul style="list-style-type: none"> <li>• Status</li> <li>• Configuration</li> <li>• Capacity</li> <li>• I/O Performance</li> <li>• Network Performance</li> </ul> Multi-Group Management Multi- Site Support RAID Evaluator Experimental Analysis
Reporting and views	Formatted Reports, Graphs and Archives Data tables and circle graphs for point-in-time data and data average over a period Summary and pop-up views Group Diagnostic Report Normalized View Reporting Live View
Events and alerts	Performance related alerts, hardware alarms and Syslog events Built in email alerts Alerts ranging from basic hardware health status to more sophisticated analysis on volume, I/O, network or capacity threshold
Ease of use	Ability for multiple users to access and monitor simultaneously Single Sign on for launching EqualLogic Group Manager Timeline navigation
Technical highlights	
Operating platforms	Microsoft XP SP2, XP SP3, Windows Vista®, Windows® 7, Windows Server® 2003 SP2, Windows Server® 2008 <i>Note: Microsoft .NET 2.0 or later is required for IPv4 network addresses; Microsoft .NET 3.5 or later is required for IPv6 network addresses.</i>
Managed environments	EqualLogic SAN Headquarters is qualified to manage EqualLogic storage array groups
Software delivery	SAN HQ is available for download from the EqualLogic support site. ( <a href="https://www.equallogic.com/support/Default.aspx">https://www.equallogic.com/support/Default.aspx</a> )
Availability	All 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.

\*Availability and terms of Dell Services vary by region. For more information, visit [www.dell.com/servicedescriptions](http://www.dell.com/servicedescriptions).

Simplify your storage at [Dell.com/EqualLogic](http://Dell.com/EqualLogic)

