

DELL EQUALLOGIC SAN HEADQUARTERS 2.0

SAN HQ 2.0 PROVIDING IN-DEPTH INFORMATION FOR ENHANCED SAN MANAGEMENT

Dealing with rapid data growth is one of the most pressing issues facing IT organizations today. Whether it's at the corporate datacenter, branch office facilities or disaster recovery sites, the Storage Area Networks (SANs) that support business-critical applications are growing and need to be monitored in a simple manner. For ongoing operations planning, trend analysis and troubleshooting, IT managers require SAN monitoring tools that can provide them centralized access to detailed performance and event data, reporting and intelligent alerts.



For managers 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 dozens of EqualLogic storage array groups that could be spread across multiple locations around the world.

With the introduction of EqualLogic SAN HQ 2.0, storage managers have access to more precise information for better decision making. SAN HQ now provides enhanced navigation, in-depth analytics and extensive reporting capabilities which help storage managers:

- Identify requirements for storage growth with analytics that enable theoretical modeling of maximum performance
- Pinpoint potential performance issues before they occur with analysis tools that enable flexible, granular views of SAN resources
- Monitor replication schedules and performance using this information to develop strategies for reducing backup windows and enhancing data protection
- View alerts across multiple groups and respond by launching the EqualLogic Group Manager directly from SAN HQ 2.0
- Quickly develop reports highlighting SAN performance with the enhanced reporting function

SINGLE-VIEW MONITORING ACROSS MULTIPLE EQUALLOGIC SANS

SAN HQ presents collected data in easy-to-use screen views including a summary of all groups. IT managers 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 storage administrators the ability to quickly tune storage systems to meet business needs.

BETTER INFORMATION COMBINED WITH EASE OF USE

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

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, administrators can click on the filter view by volume, or they can use pre-defined views in the group tree sidebar.



The reporting features of SAN HQ give storage managers 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 2.0 introduces several new reports that provide the option to view the data for all groups or selected groups, as well as options for detailed or summary views.

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.

FEATURES	DELL™ EQUALLOGIC™ SAN HEADQUARTERS
Monitoring and Analytics	Capacity, I/O Performance, Network Data, Member Hardware and Configuration, Volumes, Replication, Maximum Theoretical IOPS, IOPS vs. Latency, Disk Queue Depth (Firmware 4.2 and above)
Reporting	Performance, Capacity Utilization and Trending, Group Configuration with Alerts, Replication Status, Top 10, Host Connections
Ease of Use	Single Sign-on for Launching EqualLogic Group Manager, Point-in-time data views, User defined data ranges, Summary Views, Contextual pop-up 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	EqualLogic SAN Headquarters is qualified to manage EqualLogic storage array groups
Packaging	Available for download
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.

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

