



GLOBAL STORAGE MANAGER

Centralizes management and delivers actionable information to every level of the enterprise

As storage environments in large enterprises grow more complex and dispersed, IT organizations are turning to storage management solutions for help. Unfortunately, the very software designed to relieve problems is creating new ones by overwhelming companies with the sheer volume of data it can collect about their storage environment.

Simply stated, companies do not need more data; they need information.

Global Storage Manager (GSM) is the only storage resource management solution that addresses the problem in its entirety. With comprehensive management capabilities and industry leading device support, GSM enables large enterprises to efficiently manage multi-vendor, multi-SAN, multi-site storage infrastructures. But GSM goes further, transforming the data it collects into relevant information that can help individuals throughout the organization solve real business problems.

By adding this new dimension to storage management, GSM empowers IT to measure and manage storage resources like a business, making it easy to optimize asset utilization, increase management efficiency, enhance quality of service, and achieve higher availability.

Robust analytics connect IT to the business

GSM's comprehensive business analytics take storage management to the next level by turning raw data into actionable information. GSM enables IT organizations to:

- View technical information in a business context, broadening understanding of the impact IT's decisions can have on the business as a whole;
- Customize views based upon the needs and objectives of individual users (i.e., the CIO, the storage administrator, the IT architect) to help them make more informed decisions.

Instant ROI

In addition to reducing overall storage management costs, GSM can deliver measurable ROI from the very first day of operations. The software can immediately identify improperly configured or over-provisioned disk capacity, helping IT realize significant savings by reallocating resources and deferring new purchases. In addition, GSM can identify all tapes in an environment that contain expired backup images, and can be reused for new backups. At \$60-\$90 per tape, that's instant ROI.

Centralizing and simplifying storage management

A proven product, Global Storage Manager simplifies storage management – affording an enterprise-wide view of the complete storage infrastructure, providing historical trending and up-to-the-minute inventory, status, and utilization data. Customers can efficiently support unlimited storage devices, gather crucial knowledge about operations and performance, automate routine management and operations tasks, and improve application uptime.

With Global Storage Manager, companies can leverage an internal service provider model and effectively manage to service level agreements on performance, capacity, utilization, and more. Global Storage Manager even makes it easy to assign billing or charge-backs based on actual storage consumption and backups performed.

SOLUTION AT A GLANCE

- Centralize control of distributed storage environment with single integrated solution
- Enterprise-wide view allows companies to understand exactly what is installed, how it is utilized and how usage patterns are changing
- Misallocated or underused storage capacity is easily identified, helping postpone or even eliminate new purchases
- Industry leading platform support offers instant visibility to SAN, NAS, DAS, backup, tape and applications
- Maximize availability by identifying exposed data due to failed backups
- Business analytics provides actionable information that allows companies to measure and manage storage resources like a business

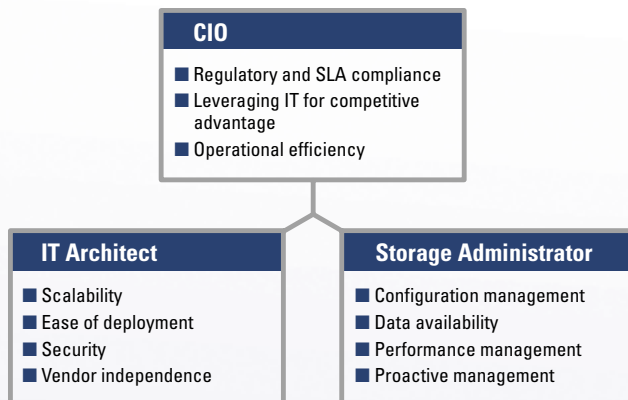
Innovative architecture scales to support large environments

A key component of Global Storage Manager is a highly secure, scalable architecture that facilitates the collection of data from multiple networks, including remote sites. This adaptable technology can be easily integrated into a customer's existing infrastructure, and works within security requirements and policies. Even better, the architecture is component-based, which provides customers with investment protection by allowing new vendor offerings to be supported quickly and non-disruptively.

Storability has developed Smart Agent interfaces and Agent-less SMI-S clients for storage devices, switch fabrics, host systems, and the backup infrastructure. These agents run with minimal overhead and convert data into a common vendor-neutral format for analysis and reporting.

Business analytics improve operations and decision-making

The need for storage information varies based upon the individual user's needs and perspective. GSM's comprehensive business analytics deliver relevant information, to every level of the organization.



The GSM architecture was designed from the ground up for scalability so as business requirements change and grow, GSM can scale to meet those requirements. In addition, GSM can help illustrate to the business units that service level commitments are being met.

- The CIO, for instance, is most interested in using technology to maintain compliance and stay within budget. With GSM, the CIO can survey current capacity allocation trends by business unit or application to compare current consumption to the budget forecast. Or, using GSM's backup exposure analysis, the CIO can mitigate significant data or compliance risks by identifying any server not included in a scheduled backup job.

- The Storage Administrator, meanwhile, needs information to simplify daily operations and meet data availability goals. Using the GSM software, the administrator can track every change that is made to all assets in the infrastructure – regardless of how minor – and when they were made. The ability to see all changes made to a particular device over time is invaluable for efficient troubleshooting and maintaining availability.
- The IT Architect, who may be chartered with the deployment of storage management tools, requires that deployment is quick, secure and non-disruptive to the operating environment.

Others in the organization have specific needs as well, and GSM can provide the tools and in-depth analytics to help everyone, at every level of the organization, make sound business decisions.

Application aware views enhance efficiency

Global Storage Management Console is a web-based portal that provides both real-time and retrospective views of the global storage infrastructure, including operational status, performance monitoring and trending, utilization, allocation and resource availability, file-level reporting, exception reports, and more. Application-aware views visually display how much storage is being consumed by each application, therefore allowing enterprises to use the right devices for each type of data. This information is invaluable for capacity planning, intelligent budgeting, asset management, backup planning, data growth management, identification of misconfigured resources, and more.

Documented access methods increase flexibility

Global Storage Manager includes a documented API that allows programmatic access to the architecture. Customized applications can be developed to feed data directly to other management systems, including custom billing, CRM, and SNMP systems. Data can also be accessed via any standard report writer or exported in Excel or CSV formats.

About Storability®

A leading provider of storage management software, Storability is a division of StorageTek® and a vendor-neutral resource for companies seeking to measure and manage their storage like a business. Storability's Global Storage Manager (GSM) complements StorageTek's robust information lifecycle management (ILM) offerings and allows enterprise organizations to optimize asset utilization, increase management efficiency, enhance quality of service and achieve higher availability.

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