

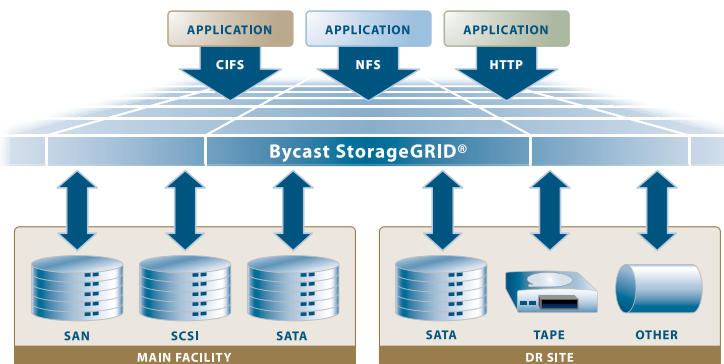
Product Overview

StorageGRID® 8

For organizations whose business depends on access to vital data, StorageGRID protects and preserves digital assets over their lifetime.

Leading organizations are improving operational effectiveness and reducing IT costs by consolidating and sharing fixed-content data across multiple sites rather than managing individual storage silos. The massive volume of this business critical data, combined with long retention periods, is challenging storage administrators to deliver a cost-effective storage strategy.

Bycast® StorageGRID simplifies the management of massive fixed-content storage systems, and enables broad availability of data while providing exceptional security. Through automation and intelligent data management, StorageGRID ensures consistent, reliable access to data over decades by delivering superior data protection, business continuity, automated disaster recovery, and multi-site access in heterogeneous storage environments.



Typical StorageGRID Two-Site Configuration



BENEFITS

- lowers cost of storing and archiving digital data
- minimizes risk of corrupted or lost data
- protects against obsolescence
- maximizes productivity and business continuity
- reduces cost of compliance
- enables new revenue streams

FEATURES

- optimizes storage resources and eliminates backup and restore requirements
- protects and preserves vital fixed-content data over its lifetime
- provides fast, reliable access across multiple sites
- enables simple, inexpensive data migration to new media and hardware
- ensures high availability even in the presence of storage, network, or hardware faults
- enables creation of sophisticated Information Lifecycle Management (ILM) policies that align the cost of storage with the value of data
- conserves IT resources through automated tasks and centralized management
- enables delivery of billable private or public cloud storage services

StorageGRID 8

LOWERS COST OF STORING AND ARCHIVING DIGITAL DATA

StorageGRID storage virtualization software lowers the cost of storing data by turning storage resources into a virtual pool of resources in order to optimize storage capacity and eliminate storage silos. This software further reduces capital and operating expenses by delivering a single, unified storage system across sites, applications, and storage tiers, while completely eliminating the costs associated with traditional backup and recovery.

By enabling seamless operation across heterogeneous hardware, organizations avoid lock-in and leverage their purchasing power in a multi-vendor environment to take maximum advantage of dropping hardware costs. This, together with automated hardware refresh, reduces capital acquisition costs over the life of the data.

StorageGRID allows organizations to leverage existing IT investments by maintaining multi-vendor, multi-generation storage equipment, adding new resources over time, so organizations are not forced to abandon existing capital investments.

StorageGRID reduces IT labour costs by automating many storage tasks and providing centralized management. Also, with StorageGRID's proactive fault detection and self-healing, organizations can minimize expensive over-time IT labour costs associated with manual fault detection and repairs.

MINIMIZES RISK OF LOST OR CORRUPTED DATA

StorageGRID minimizes the risk of corrupted or lost digital assets by preserving and protecting vital fixed-content data for life. Automated data integrity checks reduce the risk of data corruption by ensuring the authenticity of data over its lifetime. Unique digital fingerprints assigned at the time of ingest are verified each time data are retrieved, replicated, or moved between tiers or sites. Additional verification steps are performed in the background to protect the authenticity of data while at rest.

The high availability architecture of StorageGRID continues to deliver storage services even after multiple hardware, storage or network failures – or even when an entire site goes down, ensuring minimal downtime and service interruption. Automated disaster recovery protects against site, storage or system failure and fully restores data to its original state. Through automated replication of data across sites and storage tiers, risk of data loss is minimized and error prone backup/restore procedures are eliminated.

PROTECTS AGAINST OBSOLESCENCE

StorageGRID protects against hardware obsolescence by providing automated hardware refresh that transparently moves data from obsolete components to new ones without impacting applications or end-users. This eliminates the capital, environmental and maintenance costs associated with obsolete components and data migration. Given that the lifetime of data is significantly greater than that of the hardware or media, automated hardware refresh reduces the risk of losing access to information due to obsolete or unsupported devices.

MAXIMIZES PRODUCTIVITY AND BUSINESS CONTINUITY

StorageGRID ensures continuity of business operations even in the presence of faults by allowing fast, consistent, and reliable access to stored data. StorageGRID has a highly available system architecture that provides automated failover and recovery. In addition, StorageGRID insulates applications from changes to the underlying infrastructure by delivering a single virtualized storage system across tiers and sites. Productivity is further enhanced by ensuring rapid access to archived data through innovative features including stream based transport, prioritized data caching, and parallel load.

REDUCES COST OF COMPLIANCE

StorageGRID reduces the costs of compliance with retention regulations by providing a set of intelligent information lifecycle management (ILM) policies that govern the retention, geographic location, and placement of data on the appropriate storage tier based on relevance to the enterprise. Intelligent ILM automates and optimizes long-term retention of data by ensuring assets are stored at the right place, on the right media, at the right time based on business needs of the organization.

ENABLES NEW REVENUE STREAMS

The software enables cloud storage providers or IT departments to earn revenues by offering enterprise-class storage and archiving as-a-service. StorageGRID provides robust facilities for provisioning, managing, and tracking multi-tenant cloud storage services that provide the highest level of privacy and security to end-users. Audit facilities provide detailed billing and usage information, such as per-asset, per-transaction, and per-byte data. StorageGRID also allows cloud storage providers to deliver different service levels at different prices.

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