

Key Business Benefits

- **Performance**
Enhances administrator productivity by automating key data management tasks. High performance migration engine significantly shortens consolidation and migration windows. StorageX also improves user productivity by simplifying access to distributed data.
- **Availability**
Ensures availability of an up-to-date stand-by StorageX server. In addition, StorageX ensures 24/7 access to data through backups and replicas of the logical data-access infrastructure, across multiple locations.
- **Scalability**
Enables the seamless expansion of networked storage, users and offices. StorageX does this by making all aspects of expansion transparent (non-disruptive) to users and by automating administrative tasks associated with the expansion.
- **Manageability**
Provides a central interface to perform key data management and data movement tasks. StorageX also accommodates hierarchical role-based administration, and supports multi-client administration.

StorageX®

Cost-Effective Data Management in Multi-Vendor Storage Environments

Data Management Challenges

The explosive growth of data and the associated proliferation of file servers (direct-attached or SAN-attached) and NAS appliances have resulted in acute management challenges for IT administrators, as well as deterioration in data access for clients (users and application servers requesting files). Every device represents an independent storage resource governed by its embedded file system. Scaling these storage resources becomes a challenge, since they need to be managed independently, dramatically increasing the administration costs of a distributed file storage environment. Companies are frantically looking for ways to simplify file system management, enhance users' access to data, and reduce storage management costs.

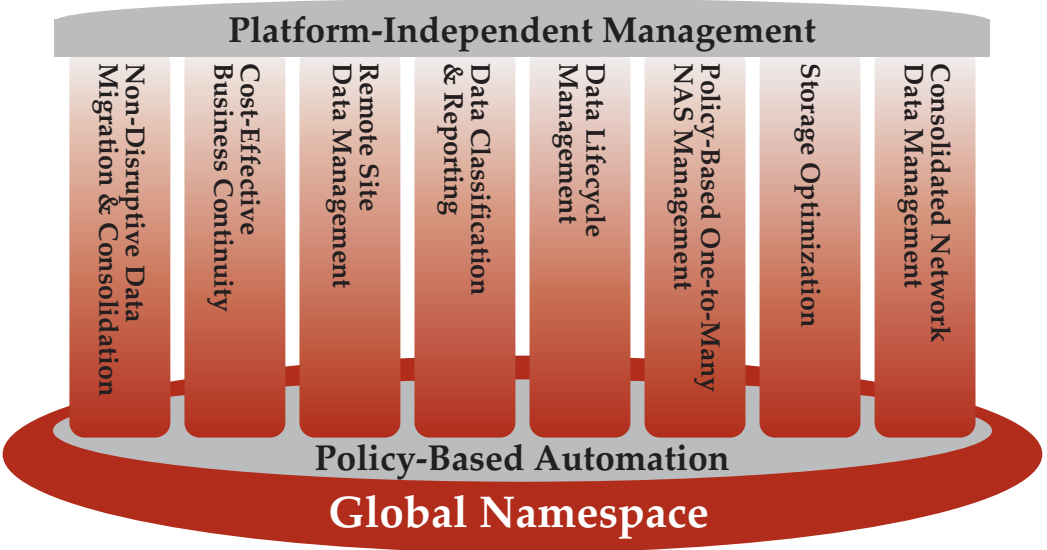
The Solution: StorageX

StorageX is the industry's leading enterprise data management solution. It is an integrated suite of applications that logically aggregates distributed file storage across heterogeneous environments (different types of storage [DAS, SAN or NAS], from different vendors, across NFS- and CIFS-based file systems) and provides administrators with policies that automate data management functions. StorageX applications include: consolidated network management; non-disruptive data migration and consolidation; cost-effective business continuity; storage optimization; data lifecycle management; remote site/branch office data management; as well as data classification and reporting. More importantly, it provides administrators with powerful policies that enable them to perform the above tasks without causing downtime to users. StorageX directly addresses current needs of both administrators and users by increasing data availability, minimizing user downtime, optimizing storage capacity and dramatically simplifying storage management, all leading to a significant reduction in the TCO of enterprise data infrastructures.

StorageX Global Namespace

The StorageX Global Namespace enables administrators to aggregate file storage across heterogeneous, geographically distributed storage platforms and treat them like a single file system. StorageX presents users with a single, logical view of distributed files, thereby enabling intuitive access to data. The StorageX Global Namespace does for file storage what DNS does for networking, it allows clients to access files without knowing their location (just as they access websites without knowing their IP addresses). This virtualization of the storage architecture can span an entire corporate environment and makes the data's physical location irrelevant to end users.

StorageX Changes the Architecture of Management



StorageX Applications

Consolidated Network Data Management

StorageX is the only product on the market today that delivers comprehensive enterprise data management services that are device independent. StorageX implements a global namespace that aggregates files and provides administrators with a single location to view and centrally manage all unstructured data in their environment. Using StorageX, administrators can move and manage data across different types of storage (DAS, SAN or NAS), from different vendors and across NFS- and CIFS-based file systems.

Non-Disruptive Data Migration and Consolidation

StorageX enables administrators to seamlessly migrate and consolidate data from multiple heterogeneous file servers on to one or more filers. The StorageX Global Namespace shields users from physical changes during migration and its policy engine significantly reduces required operator activity. In this manner, user downtime is minimized, and their access to data remains intact. StorageX's unique features reduce the migration and consolidation timeline and therefore costs of migration and consolidation.

Cost-Effective Business Continuity

Business continuity planning has come to encompass much more than disaster recovery. Enterprises are faced with network outages, both planned and unplanned, for a variety of reasons. A number of products on the market today address the need to replicate data in preparation for a network outage, but very few address the need to failover end users quickly and seamlessly. In addition to ensuring end user failover, administrators must find ways to centralize business continuity management in heterogeneous, distributed environments while keeping IT costs at a minimum. The StorageX Global Namespace provides for cost effective failover across geographically distributed sites, while giving administrators a centralized way to manage the global failover process.

Storage Optimization

StorageX provides administrators with a powerful tool for optimizing capacity utilization across the enterprise. With the StorageX Global Namespace, administrators can create logical "pools" of storage that align with business operations, then manage and optimize storage resources assigned to the namespace. Administrators can centrally view and manage enterprise-wide capacity utilization using the global namespace and transparently and non-disruptively balance capacity across multiple devices.

Data Lifecycle Management

Implementing a tiered storage architecture is an efficient approach to meeting data lifecycle management needs. The StorageX Global Namespace enables the implementation of a tiered storage architecture by transparently facilitating the movement of reference data off of expensive primary storage onto less expensive secondary storage, based on administrator-defined criteria. Moving data to secondary storage not only saves hardware acquisition costs, but also enables administrators to match backup policies and investment with the business value of data. Using StorageX to create and implement a tiered storage architecture, administrators can create policies to automatically migrate files based on criteria such as age, usage and size, among others.

Remote Site/Branch Office Data Management

StorageX provides administrators with a cost-effective solution for managing geographically distributed data. With the StorageX Global Namespace in place, administrators are provided with a single view of data across multiple locations and can manage it as a single entity. Data can be replicated to a central location for backup, thereby eliminating the need to maintain a tape backup infrastructure at each location.

Data Classification and Reporting

StorageX provides administrators with robust reporting capabilities which allow them to prepare for major IT projects. StorageX uniquely enables IT administrators to classify data based on a number of business-relevant categories, including: department, location, project, user group, file age, file size and last access time, among others. Once the classification policies are completed, administrators can run customizable reports to meet their specific needs for determining data migration requirements.

"StorageX has enabled us to save time and money by quickly rolling out an enterprise-wide global namespace. The benefits of this solution are immediate and have already made it an integral part in the success of our IT team."

Leon Verriere
Manager, Systems Engineering, Mohawk Industries

System Requirements

- Microsoft Windows 2000 server with SP2 or later, Windows XP Professional, Windows 2003 Server
- At least 300 MB of free disk space
- Internet Explorer 5.5 or later
- Windows Scripting Host 5.6 or later
- Minimum video display of 1024 by 768 and 256 colors (>256 recommended)

Services and Support

NuView provides services including the design and implementation of enterprise namespaces, and assists customers in optimizing file storage architectures using the StorageX Global Namespace. Our support team is available 24/7 to keep your team on top and increase your competitive advantage.

About NuView

NuView, Inc., headquartered in Houston, TX, is a leading provider of enterprise data management solutions that simplify the management of distributed file storage. In partnership with some of the world's leading companies, NuView is delivering enterprise software that makes it easier for companies to find and manage the information they need while reducing the cost and complexity of enterprise data management.

Highlights

- Reduce costs by consistently managing and distributing data from a central location to branches (across different types of storage [DAS, SAN or NAS], from different vendors, across NFS- and CIFS-based file systems)
- Manage data based on underlying security or group permissions
- Quickly verify the success of a migration or consolidation using the StorageX File Difference Report
- Share files spread across heterogeneous storage devices without any client or server installation
- Consolidate Windows servers to Windows NAS devices or enterprise filers without disrupting users
- Replicate data on geographically distributed servers to one or more locations
- Automate data availability through unattended, ongoing replication of newly created data from primary storage to secondary storage
- Failover 'clients' accessing data on multiple NAS filers and Windows servers to one or more secondary devices
- Load-balance storage capacity across devices within a policy-defined pool of physical devices to increase and optimize storage capacity utilization
- Backup of point-in-time copies enabled through integration with Microsoft VSS and Network Appliance Snapshots
- Create tiers of storage based on relative importance of enterprise data, effectively reducing costs of storage ownership
- Classify data based on multiple parameters to gain insights into data composition and data distribution as well as facilitate charge-backs
- Centralize management of home directories by having a 'single logical view' of all home directory data
- Simplify data access and server administration by eliminating drive letter mappings

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