



Brocade Tapestry StorageX is an integrated suite of applications designed to logically aggregate distributed file data across heterogeneous environments, providing administrators with policies to automate data management.

TAPESTRY STORAGEEX

HIGHLIGHTS

- Provides 24x7 access to data through backups and replicas of the logical data access infrastructure, across multiple globally distributed locations
- Seamlessly expands networked storage, users, and offices by making expansion transparent (non-disruptive) to users
- Increases administrator productivity by automating key data management tasks, including migration, consolidation, failover, and remote site data management
- Improves user productivity by simplifying access to distributed data
- Accommodates hierarchical role-based administration and supports administration of multiple clients
- Centralizes business continuity management in heterogeneous, distributed environments
- Helps enable efficient, cost-effective File Area Network (FAN) environments

Cost-effective Data Management in Multivendor Storage Environments

The explosive growth of unstructured data and the associated proliferation of file servers and NAS appliances have resulted in acute management challenges for IT administrators—as well as deteriorating data access for clients (users and application servers). Because every device represents an independent storage resource governed by its embedded file system, scaling these storage resources can become a significant challenge.

Each device that needs to be managed independently greatly increases the administrative costs in distributed file storage environments. As a result, today's IT organizations require new ways to simplify file system management, enhance data access, and reduce their data management costs.

Brocade® Tapestry™ StorageX® is an integrated suite of applications that logically aggregates distributed file data across heterogeneous storage

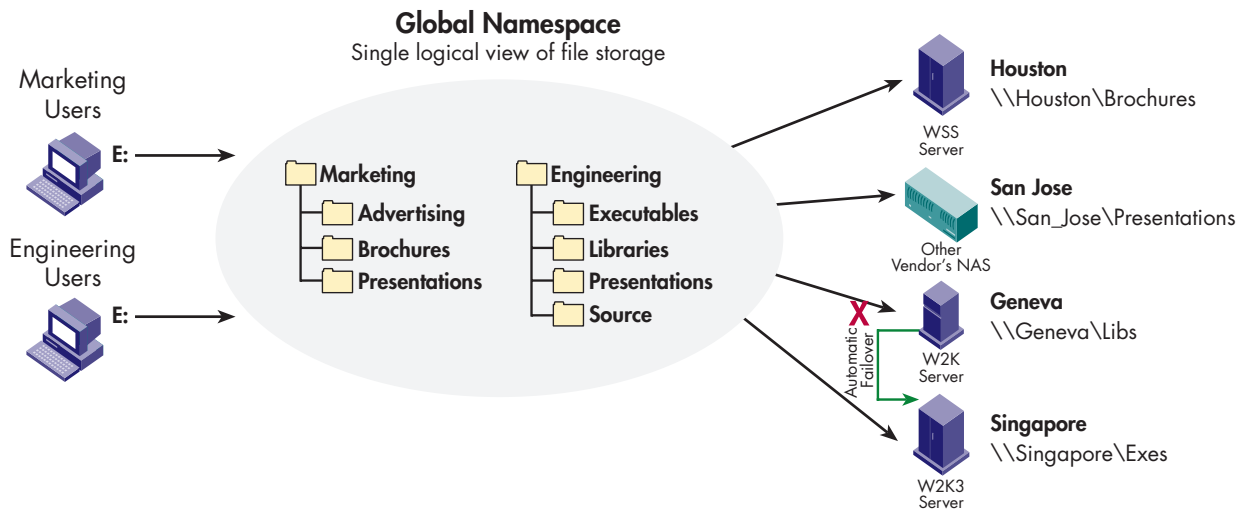
environments and across CIFS- and NFS-based file systems while providing policies to automate data management functions. Tapestry StorageX supports key tasks such as:

- Data migration and consolidation
- Business continuity
- Remote site data management
- Information Lifecycle Management (ILM)
- Storage optimization
- Data classification and reporting

Tapestry StorageX provides administrators with powerful policies to perform the above tasks without causing downtime for users. Moreover, it directly addresses the needs of both administrators and users by increasing data availability, optimizing storage capacity, and simplifying storage management—all leading to significantly lower costs for enterprise data infrastructures.

TAPESTRY STORAGE X

Figure 1. Tapestry StorageX improves the architecture of data management.



SIMPLIFICATION THROUGH FILE TRANSPARENCY

At the foundation of Tapestry StorageX is the Tapestry StorageX Global Namespace, which unifies and virtualizes heterogeneous file data stored throughout an enterprise by pooling multiple file systems into a single, logical file system. In general, it does for file storage what DNS does for networking: it enables clients to intuitively access distributed files without knowing their location (just as they access Web sites without knowing the IP addresses). This transparency of the storage architecture can span the enterprise and make the physical location of data irrelevant to users.

The Tapestry StorageX Global Namespace provides the following key benefits:

- Data management and movement are both transparent and non-disruptive.
- Data changes are automatically updated and require no client reconfiguration.
- Administrators can expand, move, rebalance, and reconfigure storage without affecting how users view and access it.
- Data management and movement require far less administrative effort and time.
- Administrators can manage data on heterogeneous, geographically distributed storage devices through a single console.
- Users have a single, logical view of files with access through a single drive letter.

DATA MIGRATION AND CONSOLIDATION

Tapestry StorageX enables administrators to seamlessly migrate and consolidate data from multiple heterogeneous file servers onto one or more file servers. The Tapestry StorageX Global Namespace and migration policies shield users from physical changes during migrations, and the policy engine significantly reduces the required administrative tasks. This, in turn, minimizes user downtime, while access to data remains intact. In addition, Tapestry StorageX:

- Enables automatic share creation
- Copies security attributes
- Integrates with NTFS Change Journal
- Integrates with Microsoft VSS snapshots to enable open and locked file copying

COST-EFFECTIVE BUSINESS CONTINUITY

As organizations are faced with both planned and unplanned network outages, business continuity planning has come to encompass much more than just disaster recovery. Although many products currently address the need to replicate data in preparation for a network outage, very few address the need to fail over users in a fast and seamless manner. In addition to ensuring user failover, administrators must find a way to centralize business continuity management in heterogeneous, distributed environments while keeping IT costs at a

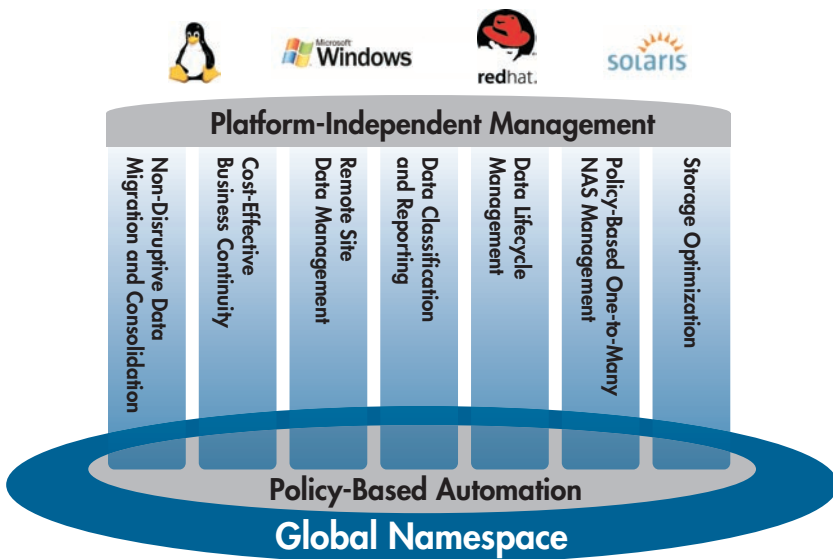
WHAT IS A FAN?

A File Area Network (FAN) includes hardware and software technologies that help organize, route, manage, and provide consistent access to massive amounts of file data—facilitating flexible, intelligent delivery and management of enterprise file resources.

minimum. The Tapestry StorageX Global Namespace and disaster recovery policies support cost-effective, seamless failover across geographically distributed sites while giving administrators a centralized way to manage the global failover process.

REMOTE SITE DATA MANAGEMENT

Tapestry StorageX provides administrators with a comprehensive solution for managing geographically distributed data. With the Tapestry StorageX Global Namespace, administrators have a single view of data across multiple locations and can manage it as a single entity. Tapestry StorageX includes a Replication Manager as well as policies for replicating data to a central backup location, thereby eliminating the need to maintain a tape backup infrastructure at each location. These policies enable file replications of any size and any distance in heterogeneous environments.



TAPESTRY STORAGEX IS THE ONLY SOLUTION THAT DELIVERS "TRUE" GLOBAL NAMESPACE CAPABILITIES

- Data Directory Services
- Not a Proprietary File System
- Standards-Based Platform
- An Out-of-Band/Not-in-Data-Path Solution
- Platform for Unlimited Scalability
- Complete Namespace Management
- Simple to Install and Use

INFORMATION LIFECYCLE MANAGEMENT (ILM)

The Tapestry StorageX Global Namespace and definable data lifecycle management policies enable tiered storage architectures, which provide an efficient approach to meeting ILM requirements. Tapestry StorageX transparently facilitates the movement of reference data from expensive primary storage onto less-expensive secondary storage, based on administrator-defined criteria.

Moving data to secondary storage reduces hardware acquisition costs while enabling administrators to align backup policies and investments with the business value of data. Using Tapestry StorageX to create and implement a tiered storage architecture, administrators can create policies to automatically migrate data based on criteria such as age, usage patterns, and file size.

STORAGE OPTIMIZATION

Tapestry StorageX also helps optimize capacity utilization across the enterprise. Using the Tapestry StorageX Global Namespace and load balancing policies, administrators can create logical pools of storage that align with business operations, then manage and optimize storage resources assigned to the namespace. In addition, 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 CLASSIFICATION AND REPORTING

Tapestry StorageX provides administrators with robust reporting capabilities that enable them to support key IT projects. It uniquely enables administrators to classify data based on a variety of business-relevant categories, including department, location, project, user group, file age, file size, and last access time. After the classification criteria are specified, administrators can run customizable reports to determine data migration requirements and facilitate departmental charge-back based on capacity usage.

SEAMLESS INFRASTRUCTURE INTEGRATION

As a non-proprietary software solution, Tapestry StorageX fits seamlessly into existing data environments. It resides on existing file systems, uses standard CIFS and NFS protocols, and requires no client software or agents. Because Tapestry StorageX is an out-of-band solution and does not reside in the data path, it does not cause latency or performance issues.

MAXIMIZING INVESTMENTS

Brocade and its partners offer complete solutions to meet a wide range of technology and business requirements. These solutions include education and training, support, service, and professional services to help optimize technology investments. For more information, contact an authorized Brocade sales partner or visit www.brocade.com.

TAPESTRY STORAGEEX

SYSTEM REQUIREMENTS

Microsoft Windows 2000 server with SP2 or later, Windows XP Professional, Windows 2003 Server

At least 300 MB of free disk space

.NET Framework 1.1

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)

UNIX Replication Agent can be installed on Solaris 8 or Red Hat Enterprise 3



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