



Brocade Tapestry File Lifecycle Manager (FLM) provides a powerful way to create tiers of storage and simplify compliance requirements—resulting in lower overall storage costs.

TAPESTRY FILE LIFECYCLE MANAGER

HIGHLIGHTS

- Enables tiered storage architectures by placing data on different types of disk storage devices based on the relative value of that data
- Facilitates the alignment of data storage policies with business objectives for proactive management of data growth
- Minimizes administration tasks with a variety of automated, reusable data management policies
- Balances capacity utilization to offset increasing demands placed on higher-cost storage and to better utilize lower-cost storage
- Eliminates backup redundancy through appropriate data classification and placement
- Creates an audit trail through sophisticated monitoring and reporting
- Supports compliance requirements through integration with NetApp SnapLock to help ensure data permanence, accuracy, integrity, and security
- Helps enable efficient, cost-effective File Area Network (FAN) environments

Enabling Comprehensive File Lifecycle Management

In most IT environments, data is not created equal—especially as data growth occurs unevenly on storage systems across the enterprise. Over time, this imbalanced growth in storage results in increased hardware expenditures due to the proliferation of storage devices, acute management challenges for IT administrators, and difficulty in ensuring compliance with regulatory requirements.

However, IT organizations can reduce their total cost of storage ownership by actively managing data throughout its lifecycle (from creation to disposal) and by aligning storage policies with business priorities and regulatory requirements.

AN INNOVATIVE POLICY-BASED SOLUTION

Brocade® Tapestry™ File Lifecycle Manager® (FLM) is an administratively defined, policy-based data solution that manages the lifecycle of file data on NetApp storage systems. Tapestry FLM enables administrators to reduce the total cost of storage by analyzing, classifying, blocking, moving,

organizing, and deleting file data using policies defined with organizational governance objectives that reflect the business value of data.

The solution optimizes the management of data based on attributes and access patterns, while maintaining user access to files. In addition, Tapestry FLM simplifies compliance through information retention and maintenance.

By deploying Tapestry FLM and implementing tiers of disk-based storage, organizations can achieve significant reductions in overall storage expenses. In fact, Tapestry FLM can result in:

- More than twice the volume capacity as inactive data is automatically moved to secondary storage
- Up to a 50 percent reduction in storage hardware acquisition costs

Separately, Tapestry FLM reduces the costs associated with backup—including tape hardware, backup software, and management costs—as less important data gets transferred to secondary storage.

TAPESTRY FILE LIFECYCLE MANAGER

FLEXIBLE LIFECYCLE MANAGEMENT POLICIES

Tapestry FLM supports a wide range of policy parameters based on corporate data storage and retention guidelines to simplify data management:

- **Adaptive archival algorithms:** Excludes certain restored files from future migrations
- **Archival storage manager:** Defines multiple offline stores as a pool, eliminating the need to set up large volumes as secondary stores
- **Blocking:** Prevents unwanted file types from being stored on the primary storage
- **Classification:** Analyzes and classifies file data based on parameters such as file location, type, name, age, size, attributes, and volume utilization
- **Migration automation:** Periodically migrates files that match the defined criteria and scope to multiple secondary storage devices
- **Primary space optimizer:** Automatically remigrates a restored file back to the secondary store
- **Restore control:** Minimizes impact on storage capacity utilization and network bandwidth resulting from inadvertent data restores
- **Retention/deletion:** Deletes files matching predefined parameters, such as those surpassing long-term retention limits
- **Simulated migration:** Performs detailed “what-if” analyses and reports the results to support capacity planning and network bandwidth utilization planning

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.

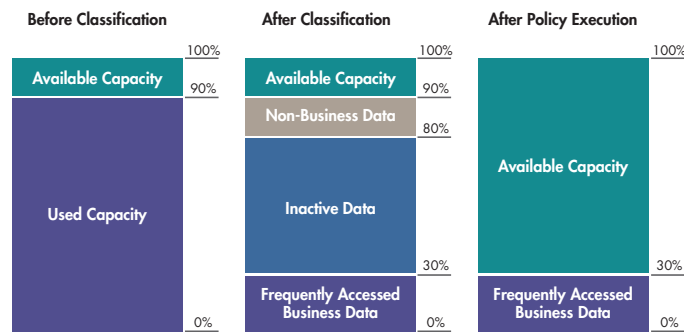
WHAT IS A FAN?

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.

Table 1. Key Tapestry FLM Attributes and Benefits.

Key Attributes	Benefits
Intelligent and powerful	<ul style="list-style-type: none"> • Enables simulation runs for detailed capacity planning and better understanding of data composition and distribution • Enables many-to-one and one-to-many migration configurations
Policy-based and automated	<ul style="list-style-type: none"> • Eliminates manual classification, migration, and deletion tasks • Provides standalone and integrated policies for a variety of lifecycle management tasks
Non-disruptive and transparent	<ul style="list-style-type: none"> • Enables users to see and access files through the primary filer • Masks data creation and protection applications from file migration
Reliable and scalable	<ul style="list-style-type: none"> • Scales linearly to efficiently handle millions of inactive files • Provides a highly redundant architecture with multiple availability mechanisms • Supports compliance requirements with strict information retention and maintenance regulations such as SEC Rule 17a-4, HIPAA, Sarbanes-Oxley, 21CFR Part 11, and DoD Directive 5015.2

Figure 1. Impact of Tapestry FLM across the enterprise.



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