

File Virtualization at TimeWarner

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TimeWarner

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TimeWarner's Environment Today

- Corporate TimeWarner
 - ~1,300 end users
 - 70 TB of file data
 - Annual growth rate: 25%
 - 2 main data centers (New York & Atlanta)
 - 10 NetApp filers; 300 Windows file servers
 - 10 IT engineering staff managing the environment
 - Architectural Group – 4
 - Day-to-day operations – 6

File Data Management Challenges

- Backing data up for business continuity purposes
- Difficult to efficiently manage growing numbers of file servers
- Ongoing data migration and consolidation initiatives disruptive to end user data access

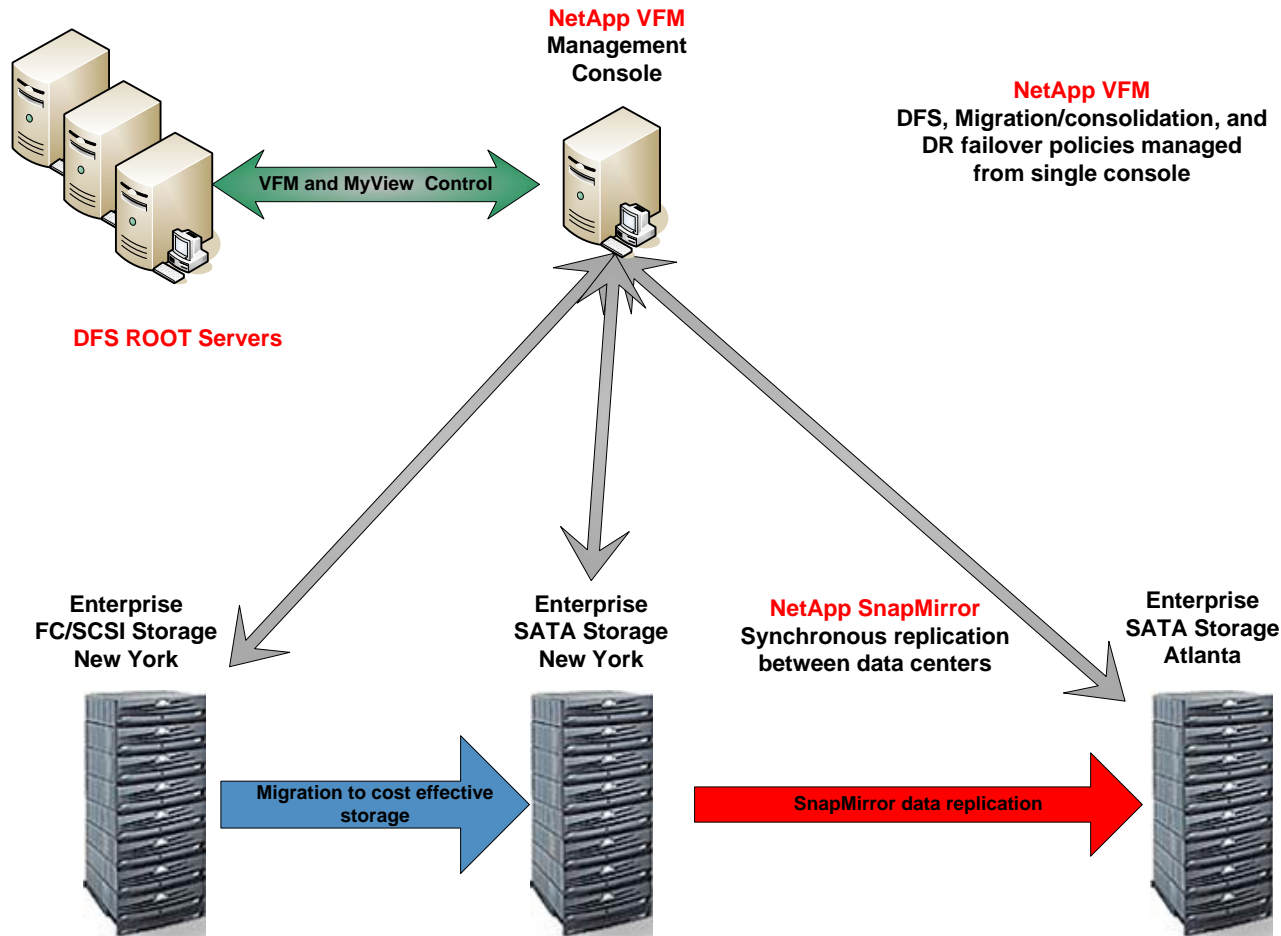
NetApp VFM (Brocade StorageX) and NetApp SnapMirror

- Consolidation: 500 file servers to 150
- File virtualization simplifies:
 - End user access to files
 - Administrator management of files
- DFS administration greatly simplified
- Disaster recovery/business continuity
 - NetApp SnapMirror: synchronous replication from New York to Atlanta
 - NetApp VFM: transparent failover

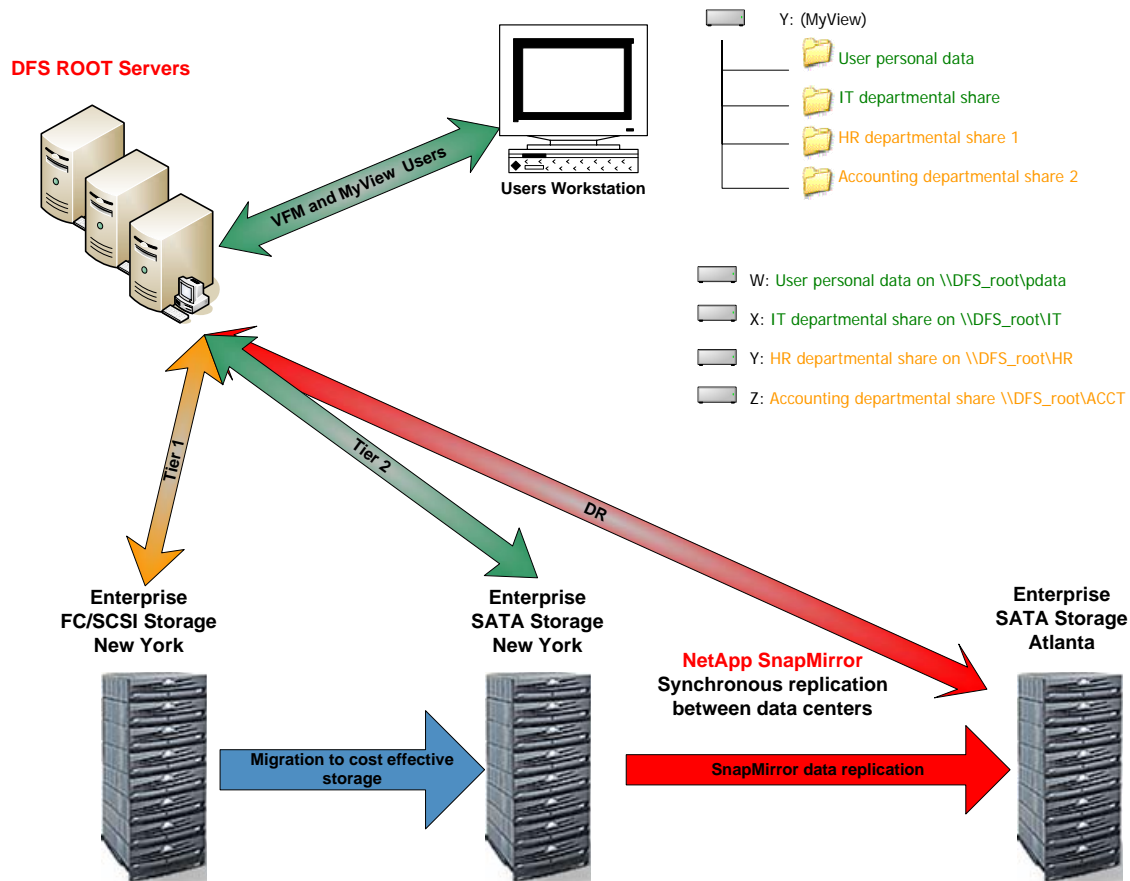
Brocade MyView

- Provides end users with a “personalized namespace”
 - Users are able to see only those shares they have permission to access
 - Leverages Microsoft Active Directory security permissions
- Audit reporting
 - Indicates which users have access to which resources over time

TimeWarner Implementation



TimeWarner Implementation



Benefits

- Eliminated the traditional dependencies between end users and physical file locations
- Automated ongoing data migration, consolidation, and replication initiatives with minimal disruption to end user data access
- Improved file data availability and reliability for business continuity purposes
- Compatible with existing IT infrastructure

Future Plans

- Wider deployment of Brocade MyView
- Migrate all end user and application data behind the virtualized namespace