

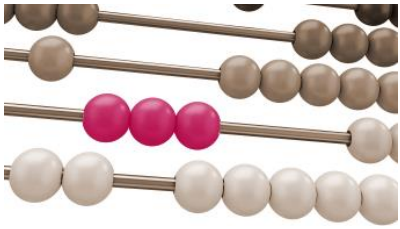


GridBank for Financial Institutions

Tarmin-IBM Solution Facilitates Global Archiving Project

Overview

Financial institutions generate huge volumes of data – volumes that roughly double every two years. Increasing amounts of electronic data, growing public scrutiny, and new rules governing data use and security have resulted in a surge of demand for new approaches to managing digital records that enforce business policies, ensure long-term preservation of data, while enabling quick discovery and access should



the need arise.

Data protection is a primary concern for financial institutions. Increased oversight of the industry have resulted in new regulations that apply to digital information including documents, email, email attachments, instant messages, images, and more. There are currently more than 10,000 U.S.

federal, state, and local laws and regulations addressing what, how, when and why records must be created, stored, accessed, maintained, and retained over increasingly longer periods of time, and perhaps nothing must be more rigorously protected than sensitive financial data. In the current regulatory environment, information security and long-term data retention, is simply mandatory.

The Challenge

When a leading worldwide retail and investment bank began implementing a new service that allowed customers to scan and deposit checks directly from their mobile phones, rather than visiting the bank, security and compliance were two of their top concerns. The global archiving initiative required accommodation of up to 150 billion check images – despite the small size of image files, the number of files and metadata associated with each file, created a complex data management challenge. Content such as check images are static – not subject to change once the file is created – and once archived, they are infrequently accessed. Realistically, more than 80 percent of the bank's check images would never be required again. However, when an image must be retrieved, it is required urgently, so the archive must remain easily accessible and discoverable under these performance pressures, across a geographically dispersed repository.

The high costs associated with storing and managing data for financial institutions reflects the increased risk of providing global access to sensitive information. These costs are offset by the additional business value that banks gain from their large data stores. With the proper tools to process and analyze information, deep and actionable insights can be gained, yielding a competitive market advantage. The bank's requirements also included deduplication to conserve capacity, quick recovery in the event of a failure, no vendor lock-in for storage hardware, sophisticated reporting and authentication to demonstrate compliance, comprehensive security measures for remote workers, complete control, even at the metadata level – and of course, the ability to support all mobile platforms on the market.

The Solution

Due to the strict requirements of this global archiving initiative, the bank was challenged by a lack of vendor and product options. Generic object storage providers were inadequate based on their limited ability to provide a file system without an associated gateway server for clients. A leading internally certified solution, although appealing, left unanswered questions about its reliability and future-proof scalability capabilities. To overcome these challenges, the financial institution implemented a joint Data Defined Storage solution combining Tarmin's GridBank with IBM's, high density enterprise XIV storage systems. This data centric solution delivers a massively scalable, transparent and unified approach for consistent data storage and management, security, retention, policy and search across the entire infrastructure. Ultimately, the Tarmin IBM solution was the only platform that adequately fulfilled the requirements of the global archiving initiative, providing a global namespace for fully

BENEFITS

- **Media Independent Data Storage**
 - Improve Operational Efficiencies
 - Reduce Storage TCO
- **Data Security & Identity Mgmt**
 - Secure Data Mobility
 - Compliance & Risk Mitigation
- **Distributed Metadata Repository**
 - Data On Demand
 - Improve Business Agility
- **Data Centric Management**
 - Monetize Data to Extract Value
 - Increase Competitive Advantage



*"Tarmin's GridBank software
[addresses] all of the core issues
with managing unstructured data
over the long term"*

Steve Duplessie
Founder, ESG

Product Highlights

- Data Centric Storage
- File System Virtualization
- Distributed Object Dedupe
- AD/LDAP Security
- Information Governance
- GridSync & Smart Mobility
- Content Metadata Filtering
- Unified Enterprise Search
- Big Analytics Integration

virtualized storage, coupled with full compliance and metadata management with a one-stop, centralized, flexible and integrated solution across the enterprise.

GridBank delivers a purpose built architecture that includes a comprehensive management capability including Data Centric Management, Media Independent Data Storage, Data Security and Identity Management and Distributed Metadata Repository. With Media Independent Data Storage, media centric data storage boundaries are removed, promoting linear scale-out functionality, Object Dedupe, File System Virtualization and transparent data access across the many different locations, silos and geographies for this financial institution. This organization has reduced risk associated with data management through information governance, data security and identity management policies implemented through GridBank's Data Security and Identity Management functionality. Additionally, the Distributed Metadata Repository, enables the financial institution to aggregate file-based virtualization for single global namespace, and access metadata information that is necessary for important business decision making.

The Benefits

The Tarmin IBM solution was configured for easy growth to meet dynamic storage demands, and optimized for consistency and on-demand, predictable, high performance to applications at all times, without manual tuning or interruption to data access, significantly reducing OPEX. The solution transforms the way organizations manage, scale, search and gain value from unstructured data by uniting application, information and storage tiers into a single, integrated data centric management architecture with a comprehensive data management capability including Data Centric Management, Media Independent Data Storage, Data Security and Identity Management and a Distributed Metadata Repository. The solution is configured to filter and index file content, file metadata, extended metadata and even custom metadata, providing the enterprise with deeper insights and enabling more efficient searches. With financial institutions so reliant on numbers, it stands to reason that the bank wanted quantifiable benefits from the Tarmin IBM solution. Forecast business outcomes include the list below:

- Restrained data growth, reducing costs by up to 80% compression & distributed Object Dedupe
- Reduced storage administration costs by almost 50% while doubling data management capacity
- Lowered risk mitigation costs for non-compliance by over 95% using 'set-and-forget' security policies
- A 99% reduction in cost of unplanned outages due to forecast uptimes
- Up to a 50% savings per TB on physical storage hardware acquisition costs, deploying an array of compliant storage instead of expensive vendor-lock in for object storage & WORM compliance

Conclusion

The data centric Tarmin IBM joint solution met all of the sensitive requirements for the global archiving project, and delivered additional benefits. This innovative solution provides massively scalable data storage, Object Dedupe, compression and encryption, archive and tiering capabilities, fail-safe replication, unified search across more than 500 file types, along with the high availability and continuous data access required by the bank.

About Tarmin

Tarmin Inc., the leading provider of Data Defined Storage solutions, unlocks the value of data as a strategic business enabler, delivering a massively scalable, transparent and unified approach for consistent data management, storage, retention, security and search across cloud and traditional storage infrastructure. Tarmin's proprietary GridBank solution empowers organizations to store, control and understand the value of data as a competitive business asset, no matter its size, location or cost by uniting application, information and storage tiers into a single, integrated data centric management architecture.

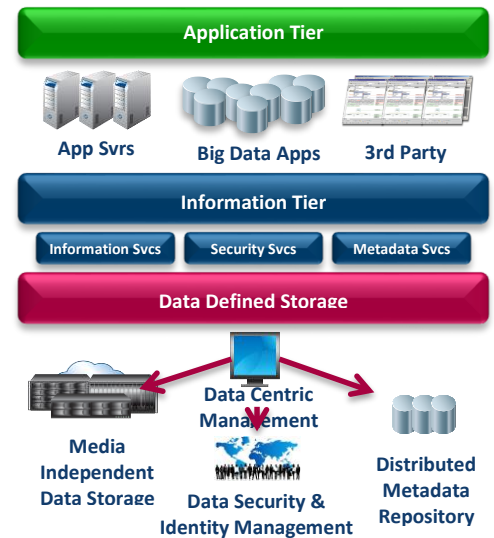


Figure 1: Data Defined Storage Architecture Delivers Globally Scalable Information Archiving



"GridBank 3.0's massively scalable model allows businesses to consolidate their data globally across silos to reduce cost...and enhance the value of data."

Ashish Nadkarni
IDC

