



## GridBank for Exchange

### Comprehensive Enterprise Email Archiving Solution

#### Overview

Email is the most important communication tool used by organizations worldwide. Hundreds of billions of emails are created every day, many with attachments, which results in massive storage and management challenges. In addition, increasing amounts of email is accessed and sent using mobile devices. As email quickly becomes the electronic substitute for legal business documentation, organizations are under pressure to manage stringent regulatory and compliance concerns regarding email retention, and maintain effective

discovery and management of information within a reduced cost structure. Risk management and compliance has become a central focus as firms face more intrusive oversight and greater public scrutiny.

Tarmin addresses these challenges with GridBank Data Management Platform, the premier Data Defined Storage solution. Tarmin delivers a data centric approach to storage infrastructure to satisfy the email and data management challenges of enterprises. It provides GridBank, a massively scalable, high performance, high availability, globally distributed platform for enterprise information archiving, long-term storage and retention of emails and business critical information, reducing regulatory compliance and primary storage overheads while improving email and information mobility and accessibility.

#### Risk Management & Regulatory Compliance

Regulatory requirements stipulate legal minimum and maximum lengths of retention for different data types throughout the value chain. Also, firms faced with litigation proceedings have a legal obligation to identify, discover, collect, preserve and present all relevant electronic records, in a process known as e-Discovery. Combining these regulatory and legal requirements with the proliferation of email and other data, leads to several core risks:

- Inability to identify & discover relevant emails or files within e-Discovery timeframes
- Penalties for non-compliance with SOX, FINRA, SEC, GLBA, HIPAA, FOIA & other regulations
- Loss, tampering, unauthorized modification or unintended disposal of critical data

With legacy systems and cost of primary storage capacity driving adoption of user inbox quotas, often users manually archive emails into .PST files. These files proliferate across networks, and could be stored anywhere. Searching and analyzing these .PST files in the event of litigation is time-consuming and costly for IT staff. Delays in providing these files to the legal department internally reduces the time available for analysis and review of the information, handicapping the legal department in case preparation, while failure to produce emails externally in a timely fashion can lead to fines and penalties. Through trawling internal networks and ingesting .PST files, GridBank consolidates all email and attachment data and metadata into a scalable, searchable, centralized archive, accelerating search and e-Discovery of all critical information. Additionally, to address compliance regulations for email retention and disposal, GridBank offers comprehensive information governance using policy-driven tools for retention management, granular legal hold and defensible disposal based on data content attributes.

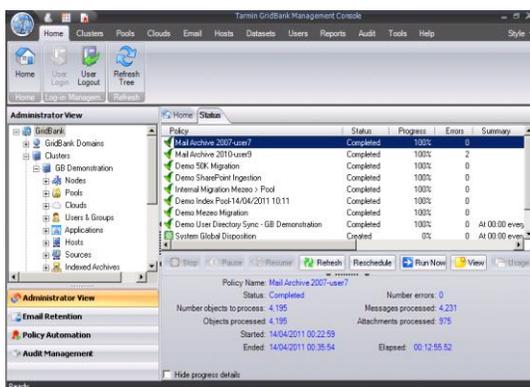


Figure 1: GridBank Management Console

#### BUSINESS BENEFITS

- Storage Optimization
- Data Reduction
- Improved Operational Efficiency
- Information Governance
- Meet Compliance Regulations
- Secure Data Mobility
- Enterprise Search & e-Discovery
- Data On Demand
- Improved Business Efficiency
- Data Centric Management
- Monetize Data to Extract Value
- Increased 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 Sources**
  - File, Email, SharePoint
  - IM & Social Streams
- **Enterprise Object Storage**
- **Global Namespace**
- **Email & Attachment Dedupe**
- **Information Governance**
- **Native E-Discovery**
- **AD/LDAP Security & Audit**
- **Sync'n'Share Smart Mobility**
- **Content Metadata Indexing**
- **Unified Enterprise Search**
- **Big Analytics Integration**

Finally, without policies and systems for secure authentication and tamper-proof retention of data, organizational data is at risk. GridBank Data Management provides end-to-end data protection which authenticates, authorizes, audits and monitors all data access via a transparent data security solution, down to the individual user and device level, providing greater security.

**Reliable On-Demand Access to Information**

Organizations are powered by innovation and data. It is becoming increasingly difficult to ensure that relevant information is continuously available and rapidly identifiable, as and when required. The success of an enterprise may be associated with the ability to gain immediate access to business critical information for a competitive advantage. There are often unacceptable delays or difficulties in retrieval of data that has been moved from the primary application server to either .PST files or offline backup media. Additionally, server outages and loss or corruption of unprotected files can cost in the millions of dollars. In today's dynamic world, administrators and end-users need continuous, guaranteed, instant access to all business critical data at all times. Central concerns for end-users are:

- Instant on-demand access to archived emails, attachments & other data across any device
- Continuous information access via scalable, high performance, high availability services
- Fully integrated tools for simple & transparent data access

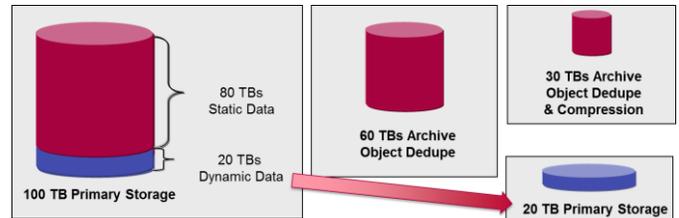
The GridBank MetaBase, a distributed metadata repository, contains all collected and indexed file and full text content metadata. It enables a powerful enterprise search, providing organizations with global access to all archived emails, .PST files and attachments in the archive. It improves search and e-Discovery speed and accuracy, as well as enhancing business agility and employee performance. In addition, GridBank provides transparent accessibility via Microsoft Outlook, Outlook Web Access or native smart device applications, whether they access via desktop, laptop or mobile devices. GridBank ensures comprehensive protection from data related risk while providing high availability to email.

**Reduced Cost Structure and Data Growth**

Increasing volumes of emails and attachments and escalating storage costs are leading to challenges in managing information cost effectively. Data volumes are forecast to double every two years, leading to massive increases in storage hardware and management costs. Primary storage on Exchange and other application servers is expensive and overloaded servers lead to performance issues. Yet despite these costs, 80% of email is only viewed once and 99% of email never changes. Implementing Tarmin GridBank for Exchange archiving platform delivers these benefits:

- Exchange Server performance enhancements by reducing primary storage footprint
- Automated policy-based migration of data to lower cost storage
- Reduce storage capacity by eliminating the need for .PST files

Primary storage footprint can be reduced up to 80% through archiving unchanging data, while distributed Object Dedupe storage and compression reduces the overall storage requirements. As the load on Exchange servers falls, performance increases and storage costs drop. The policy-based approach ensures that data is transparently migrated and retained in lower cost secondary storage, such as public or private clouds, while maintaining on-demand access to data. Additionally, with data directly searchable, employee efficiency is increased by enabling them to productively utilize information stores. These combined cost-savings and operationally innovative measures address the challenges of growth in storage requirements while improving productivity and reducing TCO.



**Figure 2: Distributed Object Dedupe and Compression**

**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.



*"GridBank'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

