



# GridBank Data Management Platform

## Addressing Petabyte Scale Unstructured Data Challenges

### Tarmin GridBank: A Data Centric Approach

The massive growth of unstructured data is the key IT challenge for modern business. Through a revolutionary data centric approach, Data Defined Storage, GridBank addresses all pain points associated with the storage, management and protection of massive amounts of unstructured data, including:

- Reduce the capital & operational costs of managing accelerating unstructured data growth
- Minimize corporate & data risk associated with increased compliance obligations & data sprawl
- Leverage the value of data through analytics & unified search across the entire data estate
- Deliver data centric petabyte level scale out storage infrastructure for a transparent path to the cloud

### Scale Out Enterprise Object Storage



The GridBank File System delivers massively scalable, high performance, random access Enterprise Object Storage which optimizes data volumes with compression and distributed Object Dedupe, eliminating duplicates across the data estate and consolidating to a unified view of business data. It also delivers a global namespace that exposes globally distributed data stores through standard network shares and unifies all data repositories into centralized logical media independent storage pools through CIFS, NFS and other protocols, anywhere in the world, eliminating data silos, improving operational efficiencies and reducing storage and data management total cost of ownership by up to 80%.

### Business Risk and Compliance Management

GridBank Data Management delivers an information governance framework designed to mitigate data-related risk. With full integrated Active Director, identity focused policy-based retention and disposal, granular legal hold and automated data migration for archival and tiering, GridBank simplifies management of complex regulatory compliance mandates. With failsafe replication, a self-healing data integrity architecture and smart client access for BYOD and data mobility, GridBank provides end-to-end data protection and ensures critical service availability.

### Data Search and Analytics

The GridBank MetaBase is a distributed metadata repository which ingests enterprise file, content and custom metadata of over 550 unstructured data file types and sources. The GridBank MetaBase empowers knowledge workers with on demand data access to through accelerated search and e-Discovery. Its big data analytics integration and tagging framework allows underlying trends in unstructured data to be interpreted, enabling organizations to gain actionable insights for enhanced decision making, and ultimately, improved competitive advantage.

### Path to the Cloud

Tarmin GridBank provides a transparent, non-disruptive and application aware solution to transition traditional storage environments to the cloud. Through application integration and understanding at the data level, GridBank can seamlessly move data into public, private or hybrid clouds while ensuring that the migration is transparent to the application for cloud-oriented business transformation.

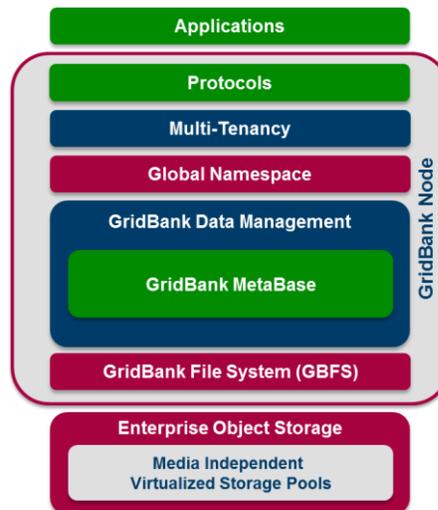


Figure 1 Data Defined Storage Architecture

## BENEFITS

- **GridBank File System**
  - Improve Operational Efficiencies
  - Reduce Storage TCO
- **GridBank Data Management**
  - Secure Data Mobility
  - Compliance & Risk Mitigation
- **GridBank MetaBase**
  - Data On Demand
  - Improve Business Agility
- **Data Centricity**
  - Monetize Data to Extract Value
  - Increase Competitive Advantage



## CLIENT USE CASES

- **Oil & Gas**
  - Reduce Seismic Data Volumes
  - Enhance Data Security
  - Analyze Vast Data Stores
- **Healthcare**
  - Secure PACS & EHR Storage
  - Information Governance
  - On Demand Patient Data
- **Financial Institutions**
  - Store Growing Audit Data
  - Manage Compliance Mandates
  - Gain Return on Data

**Product Highlights**

- **Data Centric Sources**
  - **File, Email, SharePoint**
  - **IM & Social Streams**
- **Enterprise Object Storage**
- **Global Namespace**
- **Distributed Object Dedupe**
- **Information Governance**
- **AD/LDAP Security & Audit**
- **Sync'n'Share Smart Mobility**
- **Content Metadata Indexing**
- **Unified Enterprise Search**
- **Big Analytics Integration**

**GridBank File System**

**Enterprise Object Storage**

GridBank delivers a massively scalable data centric media independent Enterprise Object Storage, providing distributed Object Dedupe, compression and policy management for archival and tiering for storage optimization.

**Global Namespace**

GridBank delivers a single global namespace, exposing data through standard protocols, including CIFS and NFS, eliminating data silos with a single unified view of corporate data, reducing infrastructure complexity.

**GridBank Data Management**

**Information Governance**

GridBank offers policy-driven enterprise information archiving, migration, encryption, and tiering of data to ensure proper retention, preservation and disposal of data at optimal performance levels, mitigating business risk.

**Multi-Site Replication & Data Mobility**

GridBank ensures high availability access across distributed pools, with end-to-end BYOD smart client data protection for enhanced mobility and secure replication delivering disaster prevention.

**GridBank MetaBase**

**Search & Discovery**

GridBank consolidates disparate datasets, offering unified unstructured metadata search across all storage pools for e-Discovery, data classification and on demand access to information.

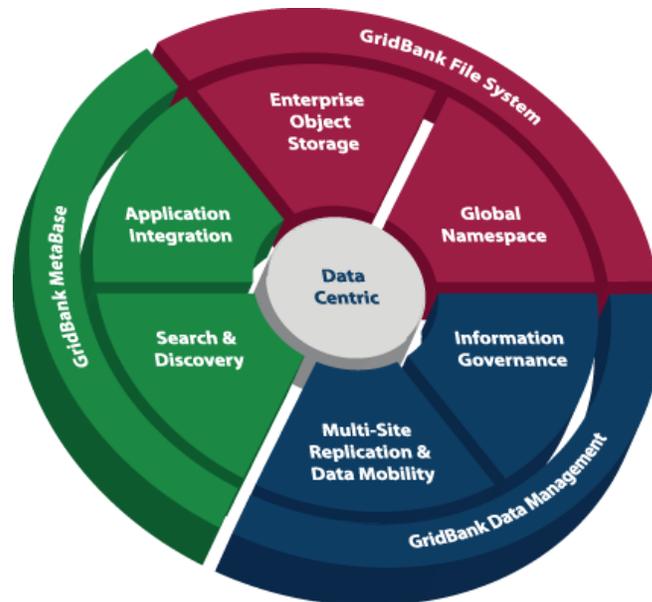
**Application Integration**

GridBank provides seamless application integration, including big data analytics integration for data mining, reporting and dashboarding across all unstructured data sources.



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

**Steve Duplessie**  
Founder, ESG



**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.

