



## GridBank Data Management Platform

Providing a Transparent, Non-Disruptive Path to the Cloud

### Overview

Organizations today are grappling with unyielding data growth up to the petabyte levels. Massive growth magnifies data management challenges, such as overheads associated with storage acquisition and operation, as well as exacerbated data protection, governance and security concerns due to increasing regulatory issues and mobility. In addition, modern businesses must find solutions that provide agility to a geographically dispersed workforce. Data access and the capability to leverage big data analytics to gain value from their vast data stores are critical. In recent years, the potential of cloud computing and storage-as-a-service to address these challenges with improved business efficiencies, cost savings and economies of scale have become clear. Early adopters have proven the technologies and increasingly businesses are committing their core applications to cloud solutions.

### Path to the Cloud

Tarmin GridBank Data Management Platform, the premier Data Defined Storage solution, provides a transparent, non-disruptive application aware solution to transition traditional storage environments to the cloud. GridBank can seamlessly move data including file, email, SharePoint, social streams and other large unstructured data sets into public, private or hybrid clouds while ensuring that the migration is transparent to the application for cloud-oriented business transformation. GridBank supports organizations at any point of their journey to the cloud delivering scalability, secure global accessibility, powerful enterprise search and integration to big data analytics to gain insight and to extract value from data.



### Cloud Storage

The GridBank Data Management Platform provides a fully consolidated solution for cloud based object storage-as-a-service for internal and external service users. GridBank delivers a comprehensive solution offering high availability data access, sync-n-share for local to cloud data collaboration, and reduced total cost of ownership through storage optimization, all within a private cloud. Additionally, it offers full integration with industry-leading public cloud providers, acting as a cloud storage gateway for greater redundancy and further reduced overheads.

### Reduced Storage & Data Management TCO

As the volumes of data in organizations continue to grow, there is increasing demand for managed service providers and corporate IT departments alike to deliver enhanced storage efficiency. Migrating to consolidated storage pools in public or private clouds allows for significantly reduced data management overheads. Key drivers are the substantial CAPEX and OPEX savings that can be achieved through massive economies of scale, improved storage capacity utilization, centralized and consolidated data management and dynamic scalability.

GridBank stores all unstructured data in its media independent Enterprise Object Storage which provides a linear scale out multi-tenant infrastructure, scalable to petabyte level capacities. The GridBank File System unifies all data repositories and exposes globally distributed data stores through the global namespace, eliminating data silos and improving storage utilization. GridBank provides distributed Object Dedupe and compression reducing capacity requirements within the virtualized storage pools by up to 80%, while the media independent architecture reduces cost by allowing organizations the choice to leverage existing storage assets or choose appropriate disk or tape within the cloud storage infrastructure to meet individual budgets, capacity and performance requirements.

### 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

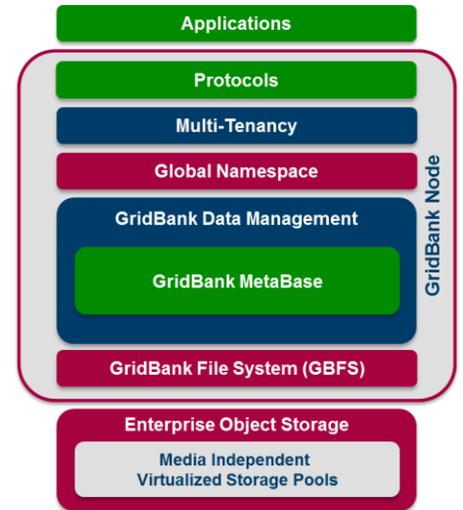
- **Oil & Gas**
  - Reduce Seismic Data Volumes
  - Enhance Data Security
  - Analyze Vast Data Stores
- **Healthcare**
  - Secure PACS & EHR Storage
  - Information Governance
  - On Demand Patient Data
- **Financial Institutions**
  - Store Growing Audit Data
  - Manage Compliance Mandates
  - Gain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

**Product Highlights**

- **Data Centric Sources**
  - File, Email, SharePoint
  - IM & Social Streams
- **REST, S3, CDMI, OpenStack**
- **Enterprise Object Storage**
- **Multi-Tenancy**
- **Global Namespace**
- **Distributed Object Dedupe**
- **Information Governance**
- **AD/LDAP Security & Audit**
- **Sync & Share Smart Mobility**
- **Content Metadata Indexing**
- **Unified Enterprise Search**
- **Big Analytics Integration**

**Storage-as-a-Service Provisioning**

GridBank enables delivery of cloud storage-as-a-service within the control of the corporate IT, ensuring self-service storage provisioning with departmental chargeback, enhancing the utilization of existing assets and delivering flexibility in storage provisioning for accelerated time-to-value. GridBank supports a fully featured REST API for data management, S3, CDMI and OpenStack compatible APIs for cloud provisioning and integration with existing applications, including Exchange, SharePoint and Hadoop, as well as gateway support for leading public cloud providers. In addition, all data can be accessed using standard network protocols such as CIFS, NFS, as well as web access using HTTPS and FTP. An organization can leverage third-party providers to provision all server and storage hardware to meet specific service level agreements, choose to manage the infrastructure internally or completely outsource all hardware, support and maintenance, saving not only capital costs but costs related to power, cooling and management overhead. Providing choice and flexibility, GridBank allows organizations can design their infrastructure to best suit their cost and performance requirements.



**Information Governance Framework**

As organizations transition to the cloud, there are additional data governance concerns that need to be considered, such as data location and specific regional regulatory requirements. GridBank Data Management's information governance framework provides site-specific execution of policy-based data retention and disposal, granular legal hold and automated data migration to any media, disk, tape or cloud for archiving and tiering. Organizations can be confident in knowing that GridBank provides end-to-end data protection which authenticates, authorizes, audits, and monitors all data access via a transparent data security solution. To address the needs for data security and privacy related to mobility, GridBank provides multi-tenancy to allow organizations to provision services and storage to multiple business units, while restricting access to others.

**Sync-n-Share**

As data mobility increases, data must be readily available to end-users through any smart device or browser. The need to access, view and share data anywhere in the world is a growing challenge in the data storage industry, as is the ability to manage file and data sprawl for a globally mobile work force. GridBank provides Sync-n-Share, an enterprise scale file sharing and collaboration feature for all mobile users. Leveraging existing organizational policies, individual user and team accounts can be created for secure access from anywhere and any device, including Android smart client, iPad or iPhone, ensuring improved business agility & greater workforce mobility.

**Search & Discovery**

Information is the driver of innovation and users need tools to efficiently search, discover and analyze data. GridBank ingests the file and full text content metadata into the GridBank MetaBase, a distributed metadata repository, indexing over 550 industry specific file types. The MetaBase is harnessed to deliver a powerful enterprise search capability, which improves search and discovery accuracy and retrieval times.

**Leverage Analytics**

GridBank empowers organizations to leverage analytics through integration with big data analytics tools, such as Hadoop, to tap into the full value from their vast stores of unstructured data. Unlike traditional storage platforms which require the migration from an online pool to an analytics pool, the GridBank MetaBase efficiently exposes content throughout the grid, allowing data-in-place analytics to enable organizations to gain real time insight to increase business agility and competitive advantage.

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

**Steve Duplessie**  
**Founder, ESG**



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