TARMIN
Where Data Defines Value.

GridBank for SharePoint

Comprehensive SharePoint Optimization

Overview

Microsoft SharePoint is the fastest-growing Microsoft server product ever with over 120 million licenses sold to date. SharePoint has become the Electronic Content Management (ECM) solution of choice, delivering greater collaboration, process efficiency and user productivity capabilities for a broad cross-section of businesses, ranging in size from small to enterprise. SharePoint is relied upon every day by hundreds-of-thousands of companies around the world as a cost-effective, proven solution.

The Challenge

As organizations continue to accelerate their content accumulation rates, SharePoint performance and reliability concerns become more commonplace, jeopardizing existing SharePoint investment and forcing IT administrators to make undesired compromises that frequently favor availability at the expense of manageability.

The inherit inefficiencies of SQL Binary Large Object (BLOB) storage results in SharePoint database fragmentation and storage inefficiencies as BLOBs grow in size and number within the database. These SharePoint 'growing pains' are extremely frustrating to users that require high levels of access to their SharePoint content and can result in significant unanticipated costs as additional SQL servers are brought online in an attempt to remediate the performance problems associated with scaling the SharePoint deployment. This 'scale until it fails' approach is costly, and quickly places unacceptable risks on organizations' valuable content.

The Solution

Tarmin delivers its proprietary GridBank solution, the first Data Defined Storage solution that is designed to comprehensively address the challenges of effective SharePoint content management. GridBank provides a complete solution to manage, retain and secure SharePoint content using a data centric approach. GridBank offloads content from SharePoint to deliver cost savings and operational efficiencies while maintaining seamless end-user access. GridBank manages retention and end of lifecycle disposition across the archive to achieve compliance with organizational risk management and information governance objectives.

GridBank enables organizations to quickly and easily implement BLOB Externalization and shrink their SharePoint database and storage requirements by up to 90%. GridBank can capture all content types and associated metadata while performing full-text indexing and global single instancing on all SharePoint content, including immediately externalized BLOBs.

GridBank dramatically improves high-scale SharePoint performance and has out-of-the-box integration with leading cloud storage providers, including Microsoft Azure. Users can also get the familiarity of Web Parts and the 'unlimited storage' of document libraries, as Tarmin GridBank enables SharePoint files to move to Hybrid Cloud Storage that can be securely stored in the cloud or on an On-Premises Pool within GridBank.

Benefits

- **Optimize your SharePoint Investment:** GridBank BLOB Externalization solves SQL content database related bottlenecks, mitigating business risks by improving SharePoint performance and reliability.

- **Efficient Unified Search:** Information from SharePoint can be searched alongside other sources such as file system data or Exchange to deliver comprehensive results and deeper insight. Advanced search allows users to explicitly search author, title, or contents and simple searches can broadly span all targets.

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**

STORAGE AWARDS THE STORRIES X WINNER

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

Steve Duplessie

Founder, ESG

GridBank enables you to:

- **Optimize your SharePoint Investment**

- **Use BLOB Externalization to Help Eliminate Performance Bottlenecks**

- **Retain SharePoint Content in a Consistent, Secure Manner**

- **Manage SharePoint Content Proliferation and Eliminate Storage Cost Bloat**

- **Search & Retrieve Content Across SharePoint Sites Instantly**

- **Reduce Storage Cost:** Consolidate fixed content from multiple SharePoint sites into a single unified active archive to achieve cost (OpEX) savings and improved efficiencies.

- **Facilitate Compliance:** Delivering a choice of strong encryption algorithms, integrated access controls and audit capabilities, GridBank helps organizations address a broad range of compliance related requirements.

- **Seamless SharePoint Integration:** Provides intuitive ease of use that facilitates end-user adoption.

- **Global Single Namespace:** GridBank deliver a true geographically dispersed single global namespace, enabling a single view of all content across geographically dispersed SharePoint deployments.

- **Enterprise Class:** GridBank delivers an object based, high performance solution that is capable of managing petabytes of SharePoint content.

- **Access and Security:** Comprehensive and powerful policy driven access controls with Active Directory integration.

- **Flexible, Policy Driven Management:** Automate SharePoint management tasks with customizable policies to lower administrative costs and improve consistency.

- **Cloud Ready:** Utilize GridBank's Hybrid Cloud Architecture to achieve further storage cost reductions and increased management efficiencies. Realize the benefits of GridBank while running SharePoint in house, via a managed service provider partner or directly in the cloud. Offload content from production SharePoint servers to your choice of on-premises storage or cloud storage provider platforms. With support for all major public cloud service providers, hybrid cloud enabled GridBank is the most versatile SharePoint cloud archiving solution available.

Figure 1: GridBank Integrated Search Powering 'Nearly Instant' Retrieval
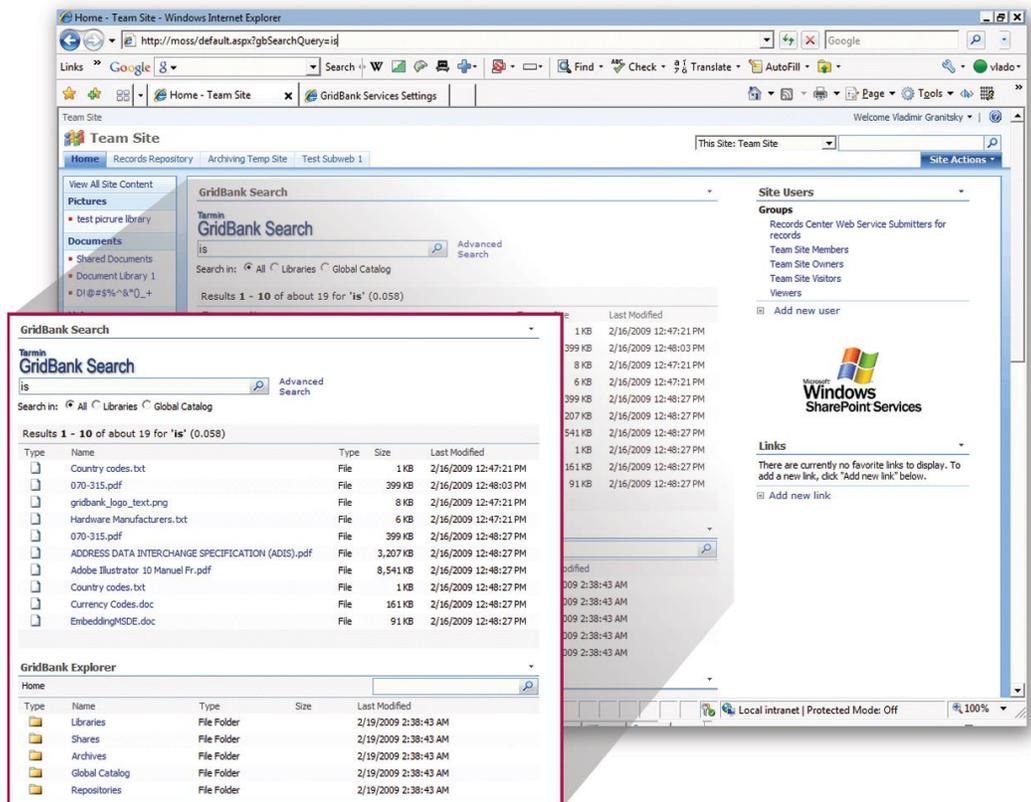
"GridBank 3.0's massively scalable model allows businesses to consolidate their data globally across silos to reduce cost…and enhance the value of data."

Ashish Nadkami

IDC

FEATURE AND BENEFITS SUMMARY

Features	Benefits
BLOB Externalization	• Eliminate SQL database performance bottlenecks by externalizing BLOB content.
Dispersed Global Namespace	• Unify storage resources and eliminate inefficient data silos. Search global archives from anywhere in the world.
Metadata Driven Search	• Efficient metadata driven retrieval improves speed and eliminates reluctance to archive.
Application Awareness	• Tight application integration provides seamless user experience and improved performance.
Hybrid Cloud Ready	• Near line disk based performance. Eliminate cost, access and security risks associated with tape.
Hardware Agnostic	• Run on commodity hardware and manage any combination of DAS, SAN and/or NAS, preventing vendor lock-in.
WORM Data Permanence	• Facilitates compliance and security objectives by ensuring data is not altered once written.
Advanced Role Based Access	• Integration with corporate directory structures and identity management policies allows role based, secure access to data.
Standards Driven Security	• Data encryption via choice of standardized algorithms. (AES 256, Blowfish 448)
Open Interface	• Choice preferred access protocol to interact with data. (CIFS, NFS, WebDAV, HTTP)
SIS Data Deduplication	• Shrink Backup windows and reduce storage capacity requirements.
Policy Based Management	• Lower Storage Operational Expenses through automation.
Virtualization	• Storage virtualization layer creates virtual pools from heterogeneous storage resources and supports Cloud storage
Object Based Design	• Advanced design provides maximum flexibility
Policy Based Management	• Dramatically improve control over informational assets
Thin Provisioning	• Reduce provisioning resource and management overhead.
NoSQL Design	• Superior scalability, security and speed. SQL interface is available.
Single Solution	• Comprehensive solution reduces cost and complexity compared to a multi-product approach
Cloud enabled architecture	• Enables current infrastructure to intelligently leverage cloud computing and storage technologies.

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.

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