TARMIN
Where Data Defines Value.

GridBank for Exchange

Email Archiving and Information Management for Pharmaceuticals

Overview

The pharmaceutical industry faces relentless data volume growth with severe associated information management challenges, combined with a flood of compliance and data retention regulations and compounded by mounting cost pressures. The volume and velocity of email and data flowing through the industry is growing exponentially with information governance becoming a central focus for pharmaceutical firms. There are numerous email and data retention and disposal regulations, as well as issues related to e-Discovery for litigation preparedness. Also, pharmaceutical firms face compliance concerns over privacy, data security and auditing mandates. Additionally, to maintain their competitive advantage, researchers' and clinical testers' requirements for instant on-demand access to data are paramount. In today's climate of shrinking budgets and expectations of achieving more from less, Tarmin addresses these challenges with the innovative Data Defined Storage solution, GridBank. Tarmin delivers a modernized data centric strategy and infrastructure to satisfy the data management challenges of pharmaceutical organizations by providing a high availability, globally distributed platform for active archiving, long-term storage and retention of emails and other critical clinical and research information, leading to fewer regulatory compliance overheads, reduced storage costs and faster access to data, meaning improved drug discovery and faster innovation.

Regulatory Risk and Information Governance

Regulatory requirements stipulate legal minimum and maximum lengths of retention for different data types throughout the value chain. Additionally, pharmaceuticals 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 and discover relevant emails or files within e-Discovery timeframes

- Penalties for non-compliance with DPA, ICH, GxP and pharmacovigilance regulations

- Loss, tampering, unintended disposal or unauthorized access of critical data

With legacy systems and cost of primary storage capacity driving adoption of user inbox quotas, emails are often manually archived to .PST files, proliferating across the network, outside of corporate control. Searching and analyzing these .PST files in the event of litigation is costly and time-consuming for IT staff. Delaying providing these files to the legal department and externally can lead to limited litigation preparedness and costly penalties. GridBank's innovative Distributed Metadata Management module allows administrators to trawl internal networks and ingests .PST files into a searchable, centralized archive expediting discovery of files and emails. Additionally, regulatory requirements specify retention and disposal periods, with severe penalties for non-compliance. Tarmin GridBank offers a centralized Management Console for compliance using policy-based tools. Finally, without policies and systems for secure authentication and accountability, tamper-proof data retention, audited search, there is a risk that
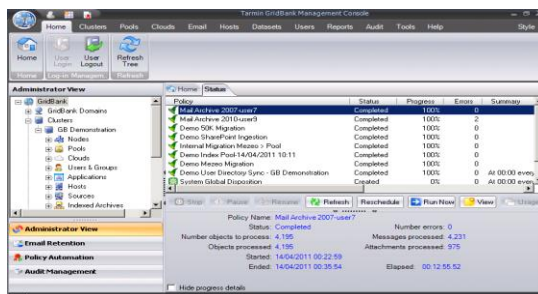

Figure 1: GridBank Management Console

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

data due for disposal will be retained or that confidential data mandated for immutable preservation will be accessed by unauthorized users. GridBank's Data Identity and Security Management module significantly reduces pharmaceutical firm's risk for noncompliance charges by instilling centralized compliance management policies.

Continuous On-Demand Information

The pharmaceuticals industry is powered by innovation and founded on data. Throughout the entire value chain, data volumes to be collected and stored are ceaselessly growing, from R&D labs to clinical trials, through to manufacture and distribution. It is becoming increasingly difficult to ensure that relevant information is continuously available and rapidly identifiable, as and when required. Since the success of firms rises and falls with first-in-class drug discovery, immediate access to the right information at the right time has become a competitive necessity. Additionally, reliable, timely and consistent access to shared clinical and research data can enable elimination of drug candidates early in the discovery process, reducing attrition rates later in the development.

Thus, the industry requires high performance and high availability access to email and data. Unacceptable delays or difficulties in retrieval of data from either .PST files or offline backup media can have significant impacts on R&D performance. Additionally, server outages and loss or corruption of unprotected files can lead to misinterpreted results from clinical trials, risking patient harm and potential litigation. In this dynamic environment, researchers and clinicians need continuous, instant access to critical data at all times. Central data management concerns are:

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

Through leveraging the Media Independent Data Management geo-agnostic hybrid cloud features of GridBank for Exchange within redundant global datacenters, users can be assured of consistent, reliable and immediate access to email and data as and when required, through seamless integration with Microsoft Outlook.

Reduced Cost Structure and IT Optimization

Pharmaceuticals firms across the industry are scaling back their operational expense, while managing significant 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 2 years, leading to massive increases in storage hardware and management costs. Primary storage on Exchange and other application servers is highly 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 solutions:-

- Exchange server performance enhancements by reducing primary storage footprint
- Automated policy-based migration of data to lower cost storage
- Improved productivity through more efficient search and retrieval

Primary storage footprint can be reduced 80% through archiving unchanging data, while single instance storage and compression reduces the overall storage requirements. As the load on Exchange servers falls, performance increases, outages reduce and storage costs drop. The policy-based approach ensures that data is transparently migrated and retained in lower cost
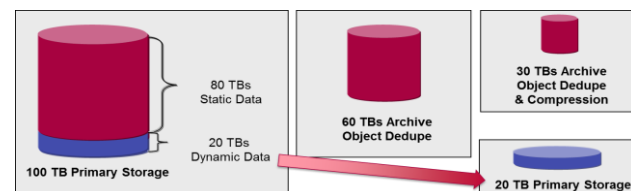

Figure 2: Distributed Object Dedupe and Compression

secondary storage or private clouds, while maintaining on-demand access to data. Additionally, staff productivity is enhanced through high availability information access. Combined, these measures address storage growth, reducing cost and enhancing innovation.

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.

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**

"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