netmail

Simple, Scalable Object Storage

The Business Case for Simple Object Storage

If you're like most organizations, more and more digital content is being created, stored, and distributed in your email system than ever before. With as much as 90% of that data in the form of email attachments, such as documents, spreadsheets and images, organizations are challenged trying to store it using traditional file systems. Organizations are under tremendous pressure to better manage the lifecycle of content from creation to disposition and ensure its integrity. Netmail Store is simple and scalable content storage software designed to store electronic data. Netmail Store software is distributed on a USB thumb drive and runs on standard, commodity server hardware (x86), which enables organizations to implement affordable clustered storage that delivers high performance, scalability, and reliability. Netmail Store is available as an optional storage solution for both Netmail Secure and Netmail Archive to provide affordable, scalable and secure Object storage.

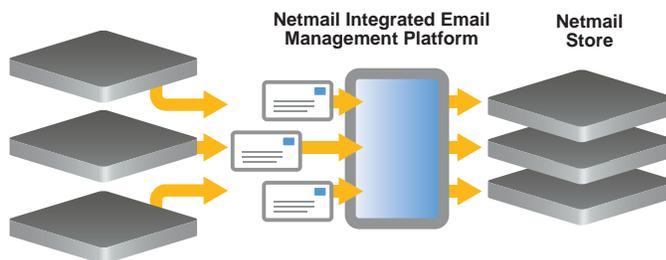## Secure Object Storage Software

Netmail Store delivers the most complete set of features to address the growing requirements for compliance. It supports a WORM storage environment ensuring data integrity, authenticity, and protection to meet information lifecycle requirements. Netmail Store can also manage content lifecycle information automatically and allows you to specify that a file cannot be changed throughout its defined life and cannot be deleted until the retention period has expired. This addresses regulatory mandates such as SEC17a4, which is the most stringent regulatory requirement defined for data storage.

Continuous Data Protection

Netmail Store protects against loss of data using replication where it creates one or more exact replicas (copies) of each file stored in the system. Each replica is stored on a different node within the Netmail Store cluster to ensure that if a node fails, another replica will be accessible through that different node. Content can also be replicated to geographically dispersed clusters for disaster recovery or business continuance purposes.

Netmail Store and Netmail Archive

Netmail Archive is a policy-based email archiving and ediscovery solution. It integrates seamlessly into your corporate email system, improves server performance, lowers storage costs and ensures compliancy for your organization. Netmail Store can be deployed in conjunction with Netmail Archive as a primary or secondary storage repository for archived data, such as email messages and attachments. Netmail Archive's new Attachment Stripping feature for Exchange 2010 uses Netmail Store exclusively to store stripped email attachments. Email attachments in Exchange mailboxes can be stripped from their messages and replaced with an HTTP link to a single copy of the attachment in Netmail Store, thereby re-introducing single-instance storage (SIS) in Exchange 2010.

Netmail Integrated Email Management Platform   Netmail Store

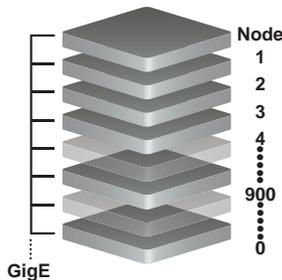## Netmail Store and Netmail Secure

Netmail Secure is a policy-based email security solution that integrates leading anti-malware, anti-spam, content filtering, data leak prevention, and attachment blocking and stripping. Netmail Store prevents storage duplication and enables system administrators to better control the flow and management of email attachments, while driving down the cost of storage and data management.

A Greener IT Storage Solution

Netmail Store delivers a comprehensive storage software solution that substantially reduces storage and IT costs while providing Object storage. A high-performance and high-availability product, Netmail Store satisfies any organisation's regulatory compliance requirement by ensuring secure, long-term data retention and providing a greener IT storage environment. This results in a substantially smaller footprint not only in capital expenditures and management labor but also in energy consumption, cooling, data center space and associated costs.

How Netmail Store Works

Start with a few nodes and grow to petabytes. Plug the Netmail Store USB memory key into a server node; turn it on and 60 seconds later, the Netmail Store server is up and running. Repeat as often as necessary to implement the size environment you require for content storage. Netmail Store scales from a few server nodes and 1.5TB up to hundreds of nodes and over 1PB.
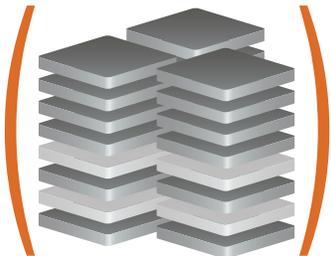

Node
1
2
3
4
900
0

GigE

No provisioning, configuring or impact to your email

Netmail Store automatically configures and manages your cluster. When you need to upgrade hardware simply power up a more powerful node and retire an older node while the system is up and running. There is no need to stop the system, migrate your data or do any conversions.

All nodes work together as a cohesive unit

All nodes in the cluster function as a cohesive unit delivering scale on two critical dimensions, performance and capacity.

Stored files are automatically replicated

All files are replicated by default in Netmail Store. If one disk goes down, there is always another copy. The system will automatically detect and re-replicate your file in the background. In fact, the larger the cluster, the faster the recovery will be. There is no longer any need to waste time and money on RAID configurations. Netmail Store clusters can recover significantly faster than RAID.

Product Features

Hardware Agnostic − Netmail Store runs on the commodity hardware of your choice. Any X86 architecture computer with a Gig or more of RAM, 1 or more hard drives and Gigabit Ethernet. As new hardware becomes available, just plug it into your Netmail Store cluster. Over time, you can remove the older technology if you wish or just let it continue to work for you. Netmail Store organically optimizes utilization of nodes in the cluster so it will make the best use of all hardware available.

Massively Scalable − Netmail Store was designed from the ground up for scalability. Scale to as many nodes as you need seamlessly without unloading and reloading data. Your information integrity is guaranteed, over the short, medium or even very long term. You can transparently migrate huge data stores to new technology during normal operation, without ever taking your system down.

Self Configuring − Plug a Netmail Store USB key into a computer, and the key will load all operating system and application software needed to turn the system into an Netmail Store node. Add another machine and it automatically configures itself, joins the network and activities of the other nodes in the cluster.

Self Managing and Self Healing − A Netmail Store cluster manages itself. That is, processes running in real time organically balance the storage and CPU loads. If a disk goes down, all other disks on all other nodes participate to recover any data that was on the bad disk. The larger the cluster, the faster the recovery time.

Simple Storage Management − Both active and archive content are managed in a single storage tier dramatically reducing the complexity and fragility associated with many storage solutions. Netmail Store automatically replicates, archives and protects your content and there is never a need for provisioning or data migration.

To learn more visit: **www.netmail.com/store**