



# SecureStore™

Infinitely Scalable & Secure

## Simple, Scalable Content Addressed Storage

### The Business Case for Simple, Scalable Content Addressed 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. Unable to scale in capacity and volume, traditional file systems have become too complex to manage and expensive to maintain, leaving organizations under tremendous pressure to better manage the lifecycle of content from creation to disposition and ensure its integrity. M+SecureStore is simple and scalable content storage software designed to store electronic data. M+SecureStore 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. M+SecureStore is available as an optional storage solution for both M+Guardian and M+Archive to provide affordable, scalable and secure CAS storage.

### Secure Content Storage Software

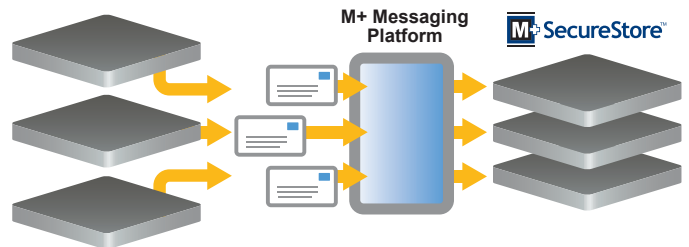
M+SecureStore delivers the most complete set of features to address the growing requirements for compliance. M+SecureStore supports a WORM storage environment ensuring data integrity, authenticity, and protection to meet information lifecycle requirements. M+SecureStore can also manage content lifecycle 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

M+SecureStore 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 M+SecureStore 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.

### M+SecureStore and M+Archive

M+Archive is a policy-based email archiving and ediscovery solution. M+Archive integrates seamlessly into your corporate email system, improves server performance, lowers storage costs and ensures compliance for your organization. M+SecureStore can be deployed in conjunction with M+Archive as a primary or secondary storage repository for archived data, such as email messages and attachments.



### M+SecureStore and M+Guardian

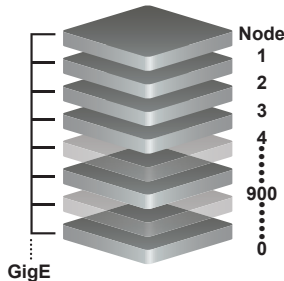
M+Guardian is a policy-based email security solution that integrates leading anti-malware, anti-spam, content filtering, data leak prevention, and attachment blocking and stripping. M+SecureStore prevents storage duplication and enables system administrators to better control the flow and management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

### A Greener IT Storage Solution

M+SecureStore delivers a comprehensive storage software solution that substantially reduces storage and IT costs while providing content addressable storage (CAS). A high-performance and high-availability product, M+SecureStore 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 M+SecureStore Works

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

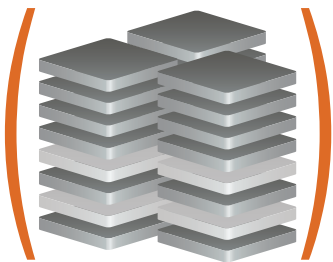


### No provisioning, configuring or impact to your email

M+SecureStore 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 M+SecureStore. 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. M+SecureStore clusters can recover significantly faster than RAID.

## Product Features

**Hardware Agnostic** – M+SecureStore 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 M+SecureStore cluster. Over time, you can remove the older technology if you wish or just let it continue to work for you. M+SecureStore organically optimizes utilization of nodes in the cluster so it will make the best use of all hardware available.

**Massively Scalable** – M+SecureStore 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.

**High Performance** – Scalability means nothing unless you have the performance to support it. Robustness in a storage system depends heavily on its capability to swiftly re-replicate data copies orphaned by a disk failure. M+SecureStore's aggregate throughput increases with the number of nodes. Unlike RAID-based systems, M+SecureStore actually recovers faster as cluster size grows.

**Self Configuring** – Plug an M+SecureStore USB key into a computer, and the key will load all operating system and application software needed to turn the system into an M+SecureStore node. Add another machine and it automatically configures itself, joins the network and activities of the other M+SecureStore nodes in the cluster. M+SecureStore self-configuration is fast and automatic.

**Self Managing and Self Healing** – An M+SecureStore 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. M+SecureStore automatically replicates, archives and protects your content and there is never a need for provisioning or data migration.

To learn more visit: [www.messagingarchitects.com](http://www.messagingarchitects.com)

