

## StrongBox® FileStor-HSM

### Highlights

- Migrate inactive files from Windows file servers to network archive or Cloud
- Free up valuable MS File Server storage capacity for active data
- Reduce daily backup volumes
- Utilize removable storage to migrate or recover large data volumes
- Transparent to users
- Online failover capability
- Remote copy capability
- Microsoft Cluster support

### Overview

As information stored on Microsoft File Servers continues to grow at an explosive rate, a critical need has arisen to manage the growth and complexity of file storage. StrongBox FileStor-HSM, a software solution, addresses this problem by providing systematic migration of inactive and rarely-used data on Windows File Servers to Network Attached Storage (NAS) devices, such as the Crossroads' StrongBox LTFS/NAS Archive, or to Cloud-based solutions. This migration is transparent to end users, meaning inactive data is physically migrated but is still readily visible and accessible at all times. Additionally, migrating data to the Cloud helps organizations realize rapid elasticity, on-demand self-service, ubiquitous network access, resource pooling, and cost savings.

### Key Features & Benefits

#### *Seamless & Flexible Archiving*

FileStor-HSM is a non-intrusive addition to Microsoft (MS) File Servers that integrates into the NTFS file system. It provides a plug-in for the MS Management Console (MMC) and an extension for Windows Explorer for easy configuration. Migration, release and recall processes are transparent to Windows users and applications, and users continue to access files as if they are still stored on the File Server.

#### *Policy-Based Migration*

Simple to install and configure, FileStor-HSM requires no additional resources or components. Administrators set policies defining which files on managed volumes are to be migrated or released, and files can be migrated to one or more archive targets. FileStor-HSM monitors space on managed volumes and automatically releases migrated files based on volume-size watermarks.

#### *Availability & Reliability*

Fault-tolerant access to data is supported since FileStor-HSM allows multiple copies of the data to be written in parallel to separate archives. If one archive fails, FileStor-HSM recalls data transparently and automatically from a secondary archive. FileStor-HSM can also restore and recover managed volumes in case of server failures.

#### *Cost Savings & Performance Gains*

FileStor-HSM lowers IT infrastructure cost by freeing up valuable MS File Server storage capacity and reducing network traffic during backup operations. Inactive files can be migrated to more cost-effective storage, but remain readily accessible to be transparently recalled as needed. In addition, large volume data transfers can be achieved by utilizing removable storage to seed archives or restore files, minimizing network congestion in the process.

#### *Migrate to the Cloud*

FileStor-HSM simplifies data migration from physical file servers to cloud environments, allowing users to take advantage of cloud elastic scalability and universal accessibility. Cloud storage saves money by maximizing physical capacity and reducing redundant archives in a physical data center. Migrating data to the Cloud delivers agility needed by Enterprises to scale up or scale down on an as-needed and pay-as-you-use basis, enabling IT departments to spend less time on deployment and maintenance and more on strategic initiatives.

#### *Crossroads StrongBox Integration*

FileStor-HSM easily migrates, copies and releases inactive, unstructured and fixed content data to StrongBox LTFS/NAS Archive - Crossroads' online, non-proprietary, LTFS/NAS storage solution. The seamless integration between FileStor-HSM and StrongBox LTFS/NAS Archive delivers the industry's most cost-effective answer to ever-growing data storage requirements. By leveraging the Linear Tape File System (LTFS) technology, StrongBoxLTFS/NAS Archive combines the unparalleled scalability and cost-effectiveness of tape with the speed and accessibility of disk.

## Interfaces & Utilities

- User interface integrated into Microsoft's Management Console (MMC)
- Microsoft Explorer plug-in for manual migration, release and recall of files
- Shadow Copy Explorer for recovering stubbed files from Windows snapshots
- Command Line Interface

## Specifications

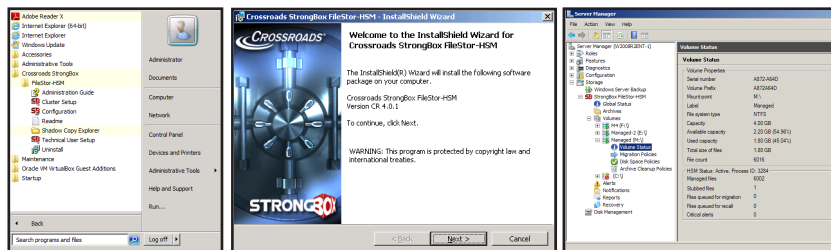
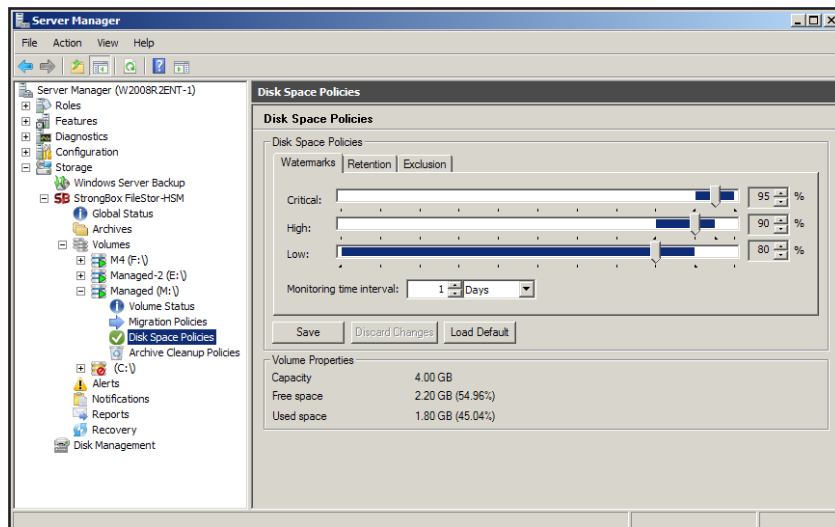
### Supported Back-end Storage Systems

StrongBox CIFS shares
Amazon Simple Storage Service (Amazon S3) cloud archive
Microsoft Azure cloud archive
CIFS-connected storage archives
FTP-connected storage archives

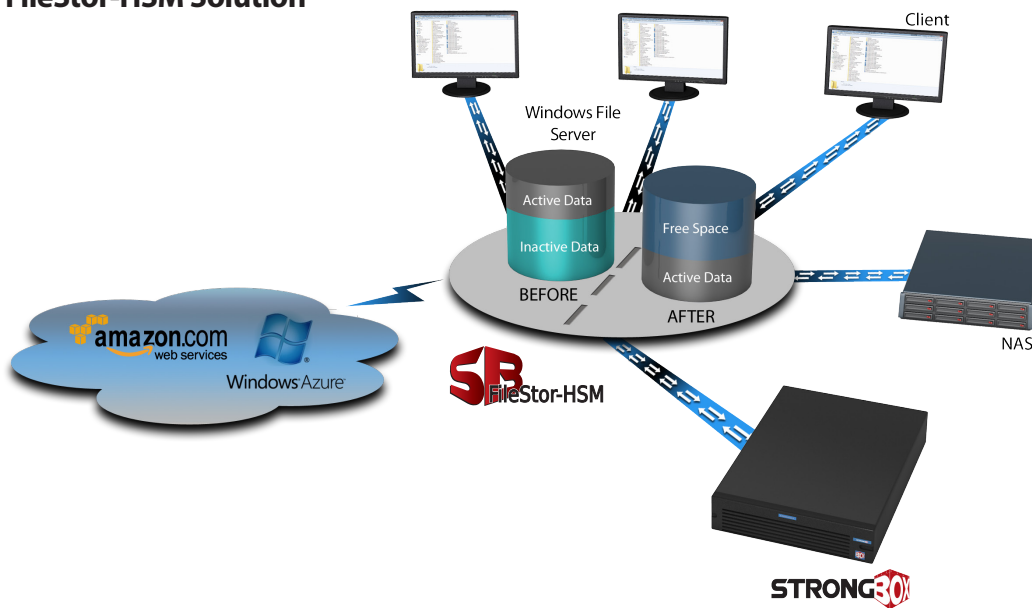
### Supported OS Versions

Microsoft Windows Server 2008 SP2 Standard, Enterprise & Data Center Editions, Microsoft Cluster Support
Microsoft Windows Server 2008 R2 Standard & Enterprise
Windows Hyper-V Server 2008 R2
Microsoft Windows Server 2003 SP2 Standard & Enterprise Microsoft Cluster Support
Microsoft Windows Server 2003 R2 SP2 Standard & Enterprise Microsoft Cluster Support

## Microsoft Management Console



## StrongBox FileStor-HSM Solution



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### ABOUT CROSSROADS

Crossroads Systems, Inc. (NASDAQ: CRDS), is a global provider of solutions and services that ensure stored data is proactively protected and reliably recovered. Crossroads offers organizations powerful data protection, proactive data security, intelligent storage connectivity, unmatched performance, and significant cost savings. Founded in 1996 and headquartered in Austin, Texas, Crossroads holds more than 100 patents granted and pending and has been honored with numerous industry awards for innovation in data protection and storage. Visit [www.crossroads.com](http://www.crossroads.com).

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