CaminoSoft

Managed Server HSM™ HCP Edition

Infinite Storage for Enterprise Data

Nearly all companies are experiencing an explosion in the demand for storage, driven particularly by space hungry applications like CAD, multimedia, computer graphics, document imaging, email and user-controlled directories. Meeting the demand for increased storage is only one aspect of this problem. Managing the data intelligently, growing the storage infrastructure cost-effectively, and conforming to regulatory mandates for data, while providing users with immediate access to all of their files are the real challenges.

HCP Edition Offers a Cost-Effective Solution

CaminoSoft's Managed Server HSM™ – HCP Edition provides a straightforward, cost-effective solution for handling the complexities of data storage management. HCP Edition offers all of the features of CaminoSoft's standard Managed Server HSM, including support for multiple, off-the-shelf storage devices, NAS appliances, general purpose servers, etc. In addition, the HCP Edition provides support for HDS HCP storage pools. The combined storage options made available by the HCP Edition provide a storage hierarchy capable of virtually infinite storage growth with increased data availability and data retention – while leveraging your existing HDS storage investment.

HCP Edition – How it Works

Like our standard Managed Server HSM solution, HCP Edition enables the administrator to configure policies and usage of the "virtual" Central Storage Pool and arch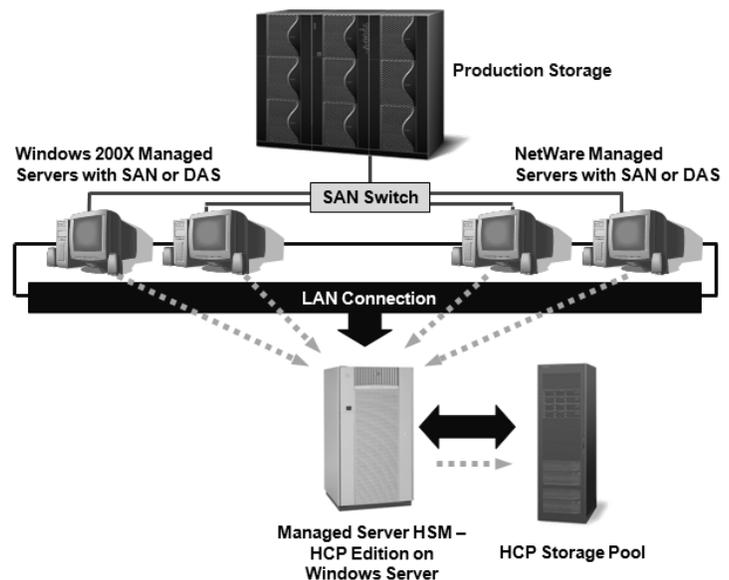ive files that are infrequently accessed to the pool. Using additional policies, HCP Edition extends this functionality by providing the ability to archive files further along a storage hierarchy to HCP storage pools. The policy-driven engine provides for "lights-out" operation while providing complete, transparent access by users to all of their data.

HCP Edition Benefits

HCP Edition provides a cost-effective solution for managing growing storage requirements and satisfying regulatory mandates for data retention. The policy-driven engine provides lower total cost of ownership by relocating seldom accessed files to HCP storage pools. In doing so, HCP Edition leverages the existing investment in HDS or other vendors' storage hardware and software storage resources by making use of the storage capacity, high availability, security, file retention and protection provided by the HCP features and infrastructure.

Managed Server HSM HCP Edition Key Features

- Provides all the features of Managed Server HSM for Windows Server

- Adds support for HCP storage pools

- Provides seamless access to archived files

- Requires minimal IT intervention allowing for easy implementation

- Enables full administrative control over archiving activity via comprehensive policy maintenance

- Maintains policies for all Managed Servers from a single, Windows workstation graphical interface

- Supports HCP data retention features

Managed Server HSM – HCP Edition, running on a Windows server, can manage files directly from its own resources to HDS storage pools. Optionally, it can act as a gateway to HDS storage pools providing access from multiple NetWare and Windows "managed" servers.

Data Sheet: Managed Server HSM™ HCP Edition

Today's IT Reality and Challenges	HCP Edition Solves Business Problems
• Simply adding new storage (disks, servers, NAS devices, volumes, etc.) creates more "islands" of distributed data storage • Storage "islands" create a fragmented view (more mapped drives) of storage making it more difficult and time-consuming for users to store and find their files	• Consolidates available storage across multiple network servers into a "virtual" Central Storage Pool to provide a host for infrequently accessed files; leaving space available for the applications and users who need it most • Provides a consistent, single view of storage to applications and users, regardless of their files' physical locations
• Newly deployed storage cannot be dynamically utilized by users and applications. Files must be manually transferred to newly deployed storage, creating new network shares/volumes requiring further administrative time to employ security • Additional storage is difficult and expensive to manage. According to recent industry estimates, management of storage costs 8 times the hardware cost	• Makes any storage capacity allocated to HCP storage pools automatically available to all production servers running Managed Server HSM. Users/applications store and retrieve their files from the same network shares/volumes as they always have • Manages data storage in an automated, intelligent manner based on administrator-defined policies – reducing manual management overhead and providing lower total cost of ownership
• Full server (disaster) recovery takes longer by restoring all files regardless of their current relevance, creating unnecessary, extended periods of downtime	• Shortens time required to perform full server (disaster) recovery - minimizing downtime - by restoring only relevant, production files in full while restoring just the reference information for the infrequently accessed files
• Lack of a persistent storage "watchdog" exposes organizations to unnecessary and costly downtime when servers run out of storage space. Manual monitoring of space availability by administrators requires valuable time better spent on productive tasks	• Automatically monitors storage status and archives files to Central Storage Pool devices – both routinely and on an emergency basis – freeing up space on overloaded servers before critical levels are reached, reducing management costs, downtime and other associated costs; with no administrator intervention
• Companies are generating more and more data, with no end to growth in sight. It is estimated that the average annual storage growth rate now exceeds 75%. Reacting to this growth by simply adding/upgrading storage resources creates more downtime and the costly administrative overhead to install, configure and manage the additional storage • There is no mechanism in place to avoid "reactive" early retirement of server/storage assets simply because of the lack of available space	• Provides scalability by allowing administrators to simply add storage to the HCP and other storage pools as storage requirements increase. Servers running Managed Server HSM gain access to the additional storage without the need for costly downtime • Enables policies to be adjusted to further extend the life of existing storage resources by archiving additional files to the storage pools when true production file usage approaches current capacity
• End users demand timely access to stored data without having to search or burden IT resources to find their files	• Provides end users immediate and transparent access to all their stored files in their existing directory structures; without administrator intervention
• Identified files can be subject to data retention requirements (Sarbanes-Oxley, HIPAA, SEC, etc.) often requiring sophisticated, specialized applications for compliance	• HCP Edition leverages HCP's data retention capabilities by allowing policy settings to dictate how long a file is retained within the HCP storage. Additional policies can be optionally coordinated to automatically delete file content when a file's useful life has expired.

Benefits With CaminoSoft Managed Server HSM – HCP Edition

- **Extends the life of existing IT storage investment by postponing the necessity for expensive server/storage upgrade decisions**

- **Prevents costly downtime related to "out of disk space" conditions**

- **Increases data availability by archiving infrequently accessed files where they remain available; instead of users or administrators deleting or saving them offline**

- **Reduces the time needed to recover a failed server by only restoring full file content for active, production files – preventing costly downtime**

- **Leverages the unique features of HCP resources by utilizing the storage capacity, high availability, security and protection offered by HCP**

System Requirements
- Server running Windows 2000/2003/2003 R2/2008/2008 R2 /2012/2012 R2 Server
- Pentium Processor or higher
- 4GB RAM or greater
- NTFS volumes
- CaminoSoft Managed Server HSM – HCAP Edition software

- Central Storage Pool comprised of one or more off-the-shelf hardware configurations of network attached storage (NAS) target devices, general purpose file servers, HCP, Hitachi Data Systems storage pools, other vendors' storage or combinations of the above

CaminoSoft www.caminosoft.com

CaminoSoft Technologies, Inc.
2243 Agate Ct. Suite C
Simi Valley, CA
U.S.A
1-805-290-4977