



Data Management Solution

Achieve serious savings on data storage.

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The Data Management Solution simplifies the management of DFSMSHsm, so you can identify and eliminate the waste of resources.

- ▶ Cut storage costs by eliminating the waste of valuable resources
- ▶ Protect the health of your data assets
- ▶ Customize automatic auditing and error correction for your unique environment
- ▶ Know the effects of a potential change before you implement it
- ▶ Rebuild lost or corrupted HSM data
- ▶ Support 24x7 data access

Are your storage resources being wasted, performing unnecessary or redundant work?

Answering this question may be harder than you think. Without an effective HSM tool, it's almost impossible to determine where resources may be wasted, how the resources are being wasted, how many resources are being wasted, and how you can correct this issue. Without knowing it, your company could be wasting hundreds of thousands of dollars or more annually.

Complex environments such as DFSMSHsm require constant monitoring and tuning. Data sets that are constantly being created, migrated, and recalled need to be examined to ensure they are in the correct SMS class definitions and that valuable resources are not being wasted. As data assets grow, managing DFSMSHsm effectively and proactively is more crucial than ever.

Shrink HSM costs

Discover what's really going on in your environment – and help your company experience serious savings. With Mainstar's Data Management Solution, you can start enjoying the benefits of effective data management quickly. Gain insight into HSM with advanced reporting capabilities, so you can easily monitor and correct problem areas. Perform comprehensive audits quickly and accurately, then apply customized fixes as needed. By keeping tabs on how your DFSMSHsm environments are performing and by implementing a regular audit schedule, you can achieve significant hard-dollar savings.

What Causes Waste

Conditions in DFSMSHsm environment known for wasting valuable system resources include:

► HSM data set thrashing

Thrashing is the constant migration and recalling of data in a short period of time. With the right tool you can find data sets with a high thrashing index in minutes. Data set thrashing can waste as much as five MIPs or more daily. IBM recommends that data set thrashing should not be more than 10 to 20 percent of all data migrated daily.

► Control data corruption

The second highest cause of wasted resources, control data set (CDS) corruption can result in hours or days of downtime while the technician is rebuilding the HSM environment. Once the CDS is rebuilt it still requires hours, days, or longer to audit and ensure the recovered and rebuilt environment is healthy and correct. While the environment is being rebuilt, any and all data controlled by a DFSMSHsm environment is inaccessible to the applications and users.

► Lost or corrupted migrated and backup data

With the potential to affect any data center or business unit significantly, lost or corrupted HSM migrated or HSM backup data increases the risk of losing key business or worse.

► Recalling old, unneeded data

Installations tend to overlook the critical resources that are expended on unnecessary data, such as test data, data created by users no longer with a company, or old versions of data that are no longer needed.

Eliminating the Waste of Resources

Auditing is the key to identifying areas of waste; however, how can you perform effective audits without adversely affecting your environment?

Take advantage of non-disruptive auditing to save resources and avoid catastrophic failures *before* they happen. With Mainstar's Data Management Solution, you can audit DFSMSHsm environments in a fraction of the time. You can perform effective audits without

wasting critical system resources or requiring days to complete them. Even better, you can define automatic fixes for specific errors and determine how to fix data sets and high-level qualifiers. Total control is in your hands.

Find, analyze, and tune data sets that are wasting valuable resources and MIPs. Quickly identify where resources are being wasted and correct these problem areas. When analyzing this information, you also need to know the possible results of a change before making the change. All too often, a technician will make a change to an HSM controlled data set and not know what the effect of the change will be until after it is complete. Sometimes even a minor change can have drastic results for an environment and system.

What happens when HSM data becomes lost or corrupted? With the unique functionality in the Data Management Solution, you can rebuild lost or corrupted HSM data. Even though this ability is critical, it's not in any other solution available today.

The Data Management Solution:

- *FastAudit* helps you keep your HSM and tape environment trouble-free with fast, accurate, and flexible audits.
- HSM Reporter/Manager puts commonly needed system information at your fingertips and provides fast and complete reporting on HSM.
- Storage Manager follows and even anticipates operational changes in DASD storage management environments, and manages effective DASD utilization.

Find Out More

Interested in finding out how much you could save through data management? Contact us at info@mainstar.com to arrange a personal analysis and briefing for your environment.

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