



# Rocket® Mainstar HSM Reporter/Manager

Gain Insight into DFSMSHsm

Identify and correct error conditions – before they lead to data loss

Cut unnecessary resource consumption

Simplify DFSMSHsm management Improve productivity

Bridge the learning curve for new DFSMSHsm administrators

Administer, tune and report on DFSMSHsm from within the product

Rocket® Mainstar HSM Reporter/Manager from puts accurate, up-to-date system information at your fingertips so you can proactively manage your environment.

## DFSMSHsm Health

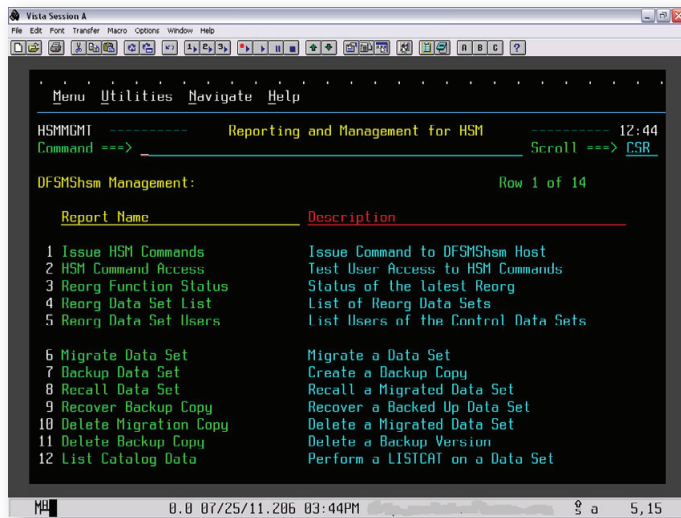
Ensuring the availability of the hundreds of thousands to millions of data assets managed by DFSMSHsm (HSM) requires daily analysis of its functions. To maximize productivity, DFSMSHsm administrators need a powerful automated reporting tool that provides pertinent information about HSM functions in a straightforward, interactive format.

reports with powerful filtering and masking support. After you analyze the reports, it's a snap to use the interactive correction capability to implement fixes.

## Gain Insight into DFSMSHsm

HSM Reporter/Manager gathers critical information from the DFSMSHsm environment and creates an interactive display with customizable reporting capabilities so you can quickly identify and correct error conditions in the environment. The provided ISPF panels offer insight to the following areas of DFSMSHsm:

- ❖ Log Files
  - Control Data Sets (CDS)
- ❖ Functional Static Records (FSR)
- ❖ Daily Statistic Records (DSR)
- ❖ Volume Statistic Records (VSR)
  - VTOC Information
  - TTOC Information
  - Management Control Volume (MCV) Records
- ❖ Mounted Volume Table (MVT) Records
  - DFSMS Constructs
- ❖ SMF Records



## Comprehensive, Interactive DFSMSHsm Management

Know exactly what DFSMSHsm is doing before critical issues arise. HSM Reporter/Manager provides relevant reporting and analysis for both large and small DFSMSHsm projects, as well as customizable

With this increased DFSMSHsm data visibility, administrators can proactively manage the DFSMSHsm environment, freeing up time and resources needed to complete other vital tasks and projects.

HSM Reporter/Manager HSM Reporter/Manager HSM Reporter/Manager now provides the ability to administer and tune DFSMSHsm from within the product.

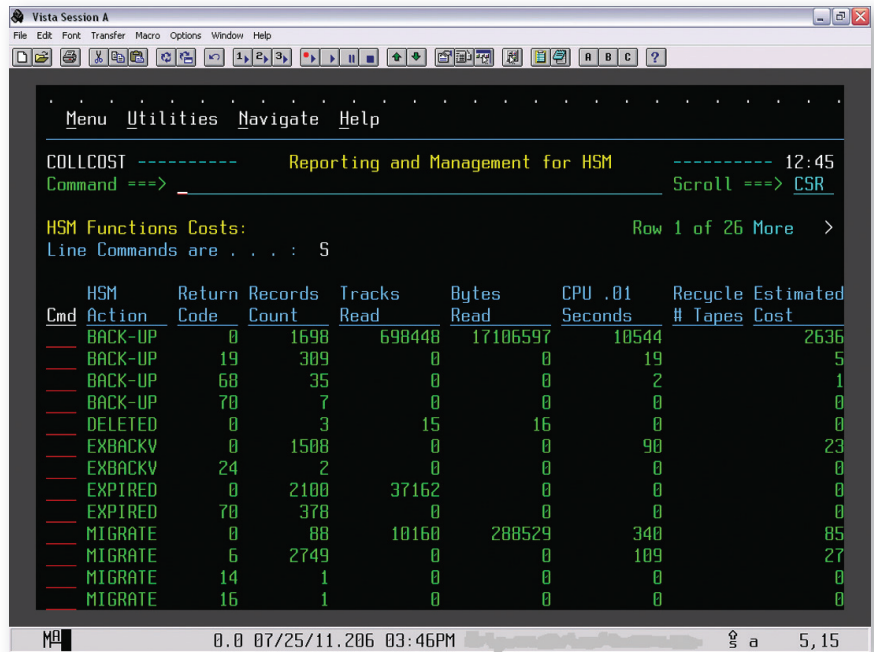
## DFSMSHsm Administration

HSM Reporter/Manager provides technical staff the ability to perform Control Data Set administration and maintenance while keeping the DFSMSHsm started task active.

- ❖ HRM allows the customer to reorganize, move or change attributes, or rename Control Data Sets while the started task is active and available to other applications.
- ❖ HRM provides the ability for technical staff to look into the DFSMSHsm queue to cancel or prioritize requests from within the product. This helps to insure that DFSMSHsm is not holding up critical requests, allowing DFSMSHsm to process critical requests first.
- ❖ HRM also gives technicians the ability to view the active ARCMDxx member and patches from within the product. This allows for quicker analysis and proactive administration of DFSMSHsm, and no longer requires your technical staff to open other products or windows when researching what HSM is doing.

## DFSMSHsm Tuning

HSM Reporter/Manager reports estimated costs for successful/unsuccessful work performed by DFSMSHsm. The Estimated Cost algorithm is the same process used for the Health Assessment, and provides you with key information about how to reduce and offset the need for future upgrades and purchases by better tuning and management of DFSMSHsm and its data.



The screenshot shows a terminal window titled 'Vista Session A' displaying the 'HSM Functions Costs' report. The report is titled 'Reporting and Management for HSM' and shows a table of costs for various HSM actions. The table has columns for HSM Action, Return Code, Records Count, Tracks Read, Bytes Read, CPU .01 Seconds, Recycle # Tapes, and Estimated Cost. The report shows 26 rows of data, with the first row being the total for all actions.

HSM Action	Return Code	Records Count	Tracks Read	Bytes Read	CPU .01 Seconds	Recycle # Tapes	Estimated Cost
BACK-UP	0	1698	698448	17106597	10544		2636
BACK-UP	19	309	0	0	19		5
BACK-UP	68	35	0	0	2		1
BACK-UP	70	7	0	0	0		0
DELETED	0	3	15	16	0		0
EXBACKV	0	1508	0	0	90		23
EXBACKV	24	2	0	0	0		0
EXPIRED	0	2100	37162	0	0		0
EXPIRED	70	378	0	0	0		0
MIGRATE	0	88	10160	288529	340		85
MIGRATE	6	2749	0	0	109		27
MIGRATE	14	1	0	0	0		0
MIGRATE	16	1	0	0	0		0

- ❖ Reporting - Customers get a complete understanding of every function of DFSMSHsm and the cost associated with doing the function. Is HSM too aggressive with migration or backups? With the Cost Reporting function, you will know this information in seconds.
- ❖ Cost Filtering - This allows companies to report detailed information on who or what is causing DFSMSHsm to use valuable system resources. With the cost filtering capability, customers can select on any of these areas for detailed reporting costs:
  - USERid
  - Data Set HLQ
  - Volume
  - Date Range

## High Level Features/Benefits

ISPF Panels	❖ Makes it easy to research with reports in ISPF format and options for drill-down views for more information.	❖ Gain insight into DFSMSHsm without the learning curve.
Dialog Manager	❖ Assists in submission of DFSMSHsm commands for a faster response to selected actions	❖ Improve productivity.
Powerful Filtering	❖ Builds filters and filter patterns quickly and accurately, so that you can apply corrective actions for detected problems before they become issues.	❖ Manage DFSMSHsm proactively.
Automatic Scheduler	❖ Runs saved filter patterns at scheduled intervals.	❖ Have the information you need ready and available for analysis.
Health Reports	❖ Alerts the administrator about incomplete DFSMSHsm automatic tasks.	❖ Reduce the risk of error.
Microsoft Office Excel Charting	❖ Creates easy-to-understand trending and historical charts and graphs from specified data.	❖ Recognize trends in your DFSMSHsm environment.
Mainstar Query Format Language (MQFL)	❖ Uses simple SQL statements and Boolean logic to create customized reports.	❖ Simplify DFSMSHsm management.
HSM Administration	❖ Performs better management of CDSs, such as reorganization of CDSs, while the HSM started task stays active.	❖ Alleviate CDS corruption due to human error.
HSM Tuning	❖ Know the costs of successful/ unsuccessful work, and who is requesting it.	❖ Offset the need to purchase new hardware or software and know why HSM is doing so much work.

## System Requirements

Software Requirements	❖ z/OS Version 1 Release 9 or later	
DFSMSdss Requirements	❖ Approx. 150 cyls Direct Access Storage Device (DASD) for installation	❖ System Requirements: DFSMS, DFSMSHsm, active DFSMSHsm Control Data Sets, DFSMSHsm logging
Authorization Requirements	❖ APF authorized load library ❖ Administrator authority in HSM	❖ TSO Authorized command

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