

z/OS DFSMSHsm Storage Administration (SC23-6871-xx)

Add a new section to Chapter 4 'Other space management considerations' as below:

DS8000 compression volumes

DFSMSHsm space management automatically and periodically performs functions that move low-activity data sets from user-accessible volumes to DFSMSHsm volumes, move data sets from one class of user-accessible volumes to another class of user-accessible volumes, and reduce the logical space occupied by data on both the user-accessible volumes and the DFSMSHsm volumes. Space management is policy-driven. For example, the **logical** threshold criteria set in SMS storage group constructs and DFSMSHsm controls for non-SMS managed volumes drive space management.

When primary (level 0) volumes and DFSMSHsm managed volumes reside on DS8000 compression devices, the following tasks are recommended to ensure the physical space backing the free space previously occupied by data is released:

- Physical space may be more constrained than logical space for volumes on compression devices, consider changing policy settings to use lower logical space thresholds
- Run DFSMSdss SPACEREL following primary space management, secondary space management, interval migration, and on-demand migration
- Run DFSMSdss SPACEREL following MIGRATE STORAGEGROUP commands
- Run IDCAMS LISTDATA to monitor physical capacity

Related reading

- For information on volume thresholds, see z/OS DFSMS Implementing System Managed Storage and z/OS DFSMSdfp Storage Administration
- For information on SPACEREL, see z/OS DFSMSdss Storage Administration
- For information on LISTDATA, see z/OS DFSMS Access Method Services Commands