

z/OS V1R13

DFSMSsms: Provide more current volume space statistics

Overview

- Problem Statement / Need Addressed
 - The volume statistics displayed in ISMF and returned by Navquest are not updated until the specific volume status is changed, i.e. varied online or offline or being allocated to.
 - There is increasing demand by applications needing to calculate the actual available space in the entire storage group.
 - SMS should provide more up to date space information when SMS is requested to retrieve volume information for a storage group.
- Solution
 - When SMS is requested to retrieve the volume list for a storage group, if any of the volume statistics in the list are not updated, then SMS will issue an LSPACE macro to obtain the latest statistics for that volume.
 - For performance reasons, only a maximum of 500 volumes in the list will be updated each time.
 - If there are more than 500 volumes in the list, then the remaining will be updated when the same SG is requested again.
- Benefit / Value
 - The storage administrator will see more recent volume statistics.

Usage and invocation

- There are no interface or invocation changes to callers.
- Applications using this space retrieval function currently will not have to issue an LSPACE macro on return to the caller any longer.

Interactions and dependencies

- None

Migration and coexistence considerations

- None

Installation

- None

Session summary

- The volume statistics will be updated as each retrieval of the storage groups and the associated volumes.

Appendix

- Publications:
z/OS DFSMSdfp Storage Administration Reference (SC26-7402)