

z/OS V1R13

DFSMSsms: SMS RAS enhancements

Session objectives

- The objective of this session is to discuss two new SMS RAS functions:
 - Alter a control data set (CDS) to have the REUSE attribute automatically if the CDS is defined as NOREUSE.
 - Issue an error message if a CDS is not a linear data set

Overview – CDS REUSE

- Problem Statement / Need Addressed
 - Certain functions fail if an SMS CDS does not have the REUSE option.
- Solution
 - The line item alters the CDS from NOREUSE to REUSE when the CDS is defined with NOREUSE option.
- Benefit / Value
 - As stated above

Overview – Check CDS for VSAM linear data set

- Problem Statement / Need Addressed
 - Currently dumps will be produced during DIV processing without a meaningful error message when a CDS is not a (VSAM) linear data set.
- Solution
 - The problem is fixed by detecting whether the CDS is a linear data set early and issuing error messages to the console.
- Benefit / Value
 - Confusing error messages are eliminated.

Usage and invocation – CDS REUSE

- The alteration is invoked when users issue any of the following operator commands to activate control data sets:
 - SETSMS ACDS(dsname)
 - SETSMS SCDS(dsname)
 - SETSMS COMMDS(dsname)
 - SETSMS SCDS(dsname) ACDS(dsname)
- When IBM Health Checker is started, activated or run (see the following operator commands), the SMS REUSE check will also alter the CDS to REUSE if it's defined as NOREUSE.
 - S HZSPROC
 - F HZSPROC,ACTIVATE,CHECK=(IBMSMS,SMS_CDS_REUSE_OPTION)
 - F HZSPROC,RUN,CHECK=(IBMSMS,SMS_CDS_REUSE_OPTION)

Usage and invocation – Check CDS for VSAM linear data set

- Operator commands that invoke checking a CDS for being VSAM linear data sets are the following:
 - SETSMS ACDS(dsname)
 - SETSMS SCDS(dsname)
 - SETSMS COMMDS(dsname)
 - SETSMS SAVEACDS(dsname)
 - SETSMS SAVESCDS(dsname)
 - SETSMS COPYSCDS(scds_name, acds_name)

Interactions and dependencies

- Software Dependencies
 - None
- Hardware Dependencies
 - None

Migration and coexistence considerations

- None

Installation

- None

Session summary

- New SMS RAS functionalities:
 - Alter a control data set (CDS) to REUSE automatically if the CDS is defined with NOREUSE option
 - Error messages issued when a non-linear CDS is detected.

Appendix - References

- Publication references
 - SA22-7627 *z/OS MVS System Commands*