

IBM Education Assistance for z/OS V2R1

Item: SMS RAS & L2 Requirements

Component: DFSMSdfp SMS



Agenda

- Trademarks
- Presentation Objectives
- Overview
- Usage & Invocation
- Presentation Summary
- Appendix



Trademarks

- See url <http://www.ibm.com/legal/copytrade.shtml> for a list of trademarks.



Presentation Objectives

- This session will cover 2 RAS items in V2R1 for DFSMSdfp SMS
 - Alter ACDS/COMMDS to SHAREOPTIONS(3 3)
 - New PARMLIB Option to Generate PDSE



Overview

- Problem Statement / Need Addressed
 - SMS recommends to use SHAREOPTIONS(3,3) when allocating an ACDS or COMMDS
 - Those data sets must be accessed from all systems in the SMSplex simultaneously
 - Currently, DSNTYPE=LIB|HFS specification does not guarantee that that type of data set will be created
- Solution
 - Automatically alter share options to (3,3) or higher if SHAREOPTIONS is lower than what is recommended.
 - Provide a new IGDSMSxx parameter in SYS1.PARMLIB to honor DSNTYPE=LIB|HFS regardless of DSORG or directory blocks that have been specified.
- Benefit / Value
 - The ACDS or COMMDS can be properly accessed from all systems
 - DSNTYPE=LIB|HFS can be honored



Overview

- If the change to SHAREOPTIONS is successful, SMS will issue new message IGD098I. Otherwise new message IGD099I will be issued

IGD098I cds_type dsname **PREVIOUSLY DEFINED WITH SHAREOPTIONS(region_opt,system_opt) HAS BEEN AUTOMATICALLY CORRECTED TO SHAREOPTIONS(region_opt,system_opt)**

IGD099I CATALOG ERROR WHILE ALTERING cds_type dsname **FROM SHAREOPTIONS(region_opt,system_opt) TO SHAREOPTIONS(region_opt,system_opt). RETURN CODE IS rc REASON CODE IS rsn IGG0CLxx**



Usage & Invocation

- The format for this new parameter will be:
 - HONOR_DSNTYPE_PDSE (YES|NO)
- The default is 'NO' which means that processing will remain as before. If this parameter is set to 'YES' then processing will be as follows:
 - DSNTYPE={LIBRARY|HFS} will be honored. DSNTYPE can be specified on:
 - JCL
 - Dynamic Allocation
 - DATACLAS
 - If DSNTYPE=PDS, the system will behave as before.
- The setting of this new parameter can be altered via a new SMS operator console command:
 - SETSMS HONOR_DSNTYPE_PDSE (YES|NO)



Presentation Summary

- A SHAREOPTIONS of an ACDS or COMMDS will get altered automatically if SMS detects it is lower than what is recommended
- DSNTYPE=LIB|HFS will get honored via setting a new parameter in IGDSMSxx member of SYS1.PARMLIB



Appendix

- Publication references:
 - *MVS System Messages, Vol 8 (IEF-IGD)*
 - *MVS System Commands*
 - *z/OS DFSMSdfp Storage Administration*

