IBM Education Assistance for z/OS V2R1

Item: SMS ACS Read-only Variable for EAV
Component: DFSMSdfp SMS

Agenda

- Trademarks

- Presentation Objectives

- Overview

- Usage & Invocation

- Interactions & Dependencies

- Migration & Coexistence Considerations

- Presentation Summary

- Appendix

Trademarks

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

Presentation Objectives

- Understand why customers requested a new ACS Read-only Variable for EAV

- Learn the new ACS Read-only Variable for EAV and its expected values

Overview

- Problem Statement / Need Addressed
  - Currently, the EATTR keyword can be specified on
    - JCL
    - Dynamic allocation
    - AMS DEFINE
    - DATACLAS
  - However, it's NOT available to the installation's ACS routines

- Solution
  - Provide a new ACS Read-only Variable for EAV - &EATTR

- Benefit / Value
  - ACS routines can be more intelligent to select proper SMS constructs for EAV, so a data set can be allocated to an EAV storage group

Overview

- ACS Read-only Variable for EAV
  - Name: &EATTR
  - Description: contains the EATTR value. EATTR means extended attributes, currently only for EAV
  - Expected Values:
    - OPT : extended attributes are optional
    - NO   :   no extended attributes
    - Blank :   not specified (This is a default value)

- &EATTR Value Availability to ACS routines
  - DATACLAS ACS routine – if specified on JCL, AMS DEFINE, or Dynamic Allocate
  - STORCLAS ACS routine – if specified
  - MGMTCLAS ACS routine – if specified
  - STORGRP ACS routine – if specified

Usage & Invocation

- The ACS routine programmer can test &EATTR in the ACS routines.

Interactions & Dependencies

- **Software Dependencies**
  - None

- **Hardware Dependencies**
  - None

- **Exploiters**
  - ACS routine programmers
  - Storage management admins

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Migration & Coexistence Considerations

- &EATTR is only available on z/OS V2R1 systems

- IBM recommends lower releases should not reference &EATTR
  - If the ACS routines are written and activated on V2R1, the programmer needs to add a logic to jump around all the references to &EATTR
  - Otherwise, in lower releases, ACS processing will fail with the existing return code 20 and reason code 2035, which means invalid ACS Read-only variable

Presentation Summary

- A new ACS Read-only Variable for EAV - &EATTR

- &EATTR Value Availability to ACS routines

Appendix

- Publication references:
  - *z/OS DFSMSdfp Storage Administration*