

z/OS V1R13

DFSMSsms: Increase retention period limit

Session objectives

- Learn about longer SMS data set retention periods.

Overview

- Problem Statement / Need Addressed
 - Currently the maximum data set retention period is 9999 days after creation, which is about 27 years. This is deemed insufficient for various reasons such as legal requirements that documents be retained for longer than 27 years.
 - The objective for this item is to extend the maximum retention period beyond 27 years.
- Solution
 - With this support the maximum days is extended to 93000 days which is about 254 years.
 - Due to other system restrictions the maximum date a data set can be retained is to the end of year 2155.
- Benefit / Value
 - Legal requirements can be met more easily

Usage and invocation

- These methods of specifying a data set retention period are affected:
- JCL DD keyword – REPTD= nnnnn (0 – 93000)
- IDCAMS DEFINE CLUSTER keyword – FOR(days) (0-93000)
- Data class definition RETPD attribute - 0-93000

Interactions and dependencies

- Software Dependencies
 - None
- Hardware Dependencies
 - None

Migration and coexistence considerations

- Coexistence APARs
 - OA33019, OA33021, OA33022, OA33023, OA33024, OA33025, OA33028
- The coexistence APAR fixes on the lower level system will make it work as before the R13 enhancement where the RETPD maximum will still be at 9999, even when the JCL specified a value greater than 9999.
- Coexistence applies to lower-level systems which coexist (share resources) with latest z/OS systems.

Installation

- None

Session summary

- With this support jobs run on R13 will be able to create data sets with maximum retention period of more than 9999 days after creation.
- The coexistence PTFs for lower level systems will continue to enforce the maximum retention period of 9999 days.
- If the SMSplex shares an R13-defined CDS with RETPD > 9999 specified in data class definitions, the lower level system will reset the value to 9999. However, when displaying the data class definition at the lower level systems via ISMF or DCOLLECT, the actual values will be displayed.

Appendix

- Publications:
 - *z/OS DFSMSdfp Storage Administration Reference (SC26-7402)*
 - *z/OS MVS JCL Reference (SA22-7597)*
 - *z/OS DFSMS Access Method Services for Catalogs (SC26-7394)*