

z/OS V1R13

BCF SMF: IFASMF DL to stop reading before end of logstream

Session objectives

- Understand the new function shipping into the IFASMF DL utility
 - SMARTENDPOINT Support

Overview

- Problem Statement / Need Addressed
 - Currently IFASMF DL will always read until the end of the logstream regardless of the specified end date and time specified.
 - SMF data set recording did not have this issue since each data set contained only a fixed amount of data.
- Solution
 - Provide a new option to allow IFASMF DL to stop reading the logstream before the end.
- Benefit / Value
 - Depending on the configuration this can greatly reduce the duration of IFASMF DL jobs.

Usage and invocation

- This support has two new options for the SYSIN of IFASMF DL, SMARTENDPOINT and SMARTEPOVER(yyyy).
- SMARTENDPOINT has been available for the DUMP option at V1R12 and below with APAR OA31737. At V1R13 we now support SMARTENDPOINT for ARCHIVE and DELETE also.
- The SMARTEPOVER(yyyy) option specified a value between 0000 and 0200 (2 hrs) that controls the SMARTENDPOINT processing.
 - The default is 0200
 - Further guidance available in the MVS System Management Facilities (SMF)
- SMARTENDPOINT processing uses the following rules to find the logical end point in the logstream:
 - Take the specified end time plus the SMARTEPOVER value. That is the logical smart end point time.
 - For each SID found in a logstream keep a table entry and mark that SID complete when all SIDs have hit the smart end point time.
 - Once all SIDs are accounted for stop reading.
- This process occurs on a per logstream basis.
- New message IFA844I issue when SMARTENDPOINT processing is used. It lists the SIDs encountered in each logstream that was processed with SMARTENDPOINT.
 - IFA844I THE FOLLOWING SIDS ARE PRESENT IN IFASMF.BLAH
sid1 sid2 sid3 ...

Interactions and dependencies

- Software Dependencies
 - None
- Hardware Dependencies
 - None
- Exploiters
 - None

Migration and coexistence considerations

- These keywords are supported on lower releases with the PTFs for APAR OA31737 and OA34374 applied:
 - HBB7750 – UA58243 and UA55964
 - HBB7760 – UA58244 and UA55965
 - HBB7770 – UA58245 and UA55966
- Note that at V1R12 and earlier SMARTENDPOINT does not support ARCHIVE or DELETE processing. If it is used the keyword will be ignored.

Installation

- This support is in the base of V1R13
- See the Migration and Coexistence slide for APARs and PTFs

Session summary

- The SMARTENDPOINT and SMARTEPOVER options for IFASMF DL can be used to control how much data is read from the logstream.

Appendix - References

- Publication References
 - SA22-7630 MVS System Management Facilities (SMF)
 - SA22-7638 MVS Messages, Volume 8 (IFA messages)