

# z/OS V1R13

## BCP SMF: Lift restriction on IFASMF DL ARCHIVE/DELETE

### Session objectives

- Understand the new function shipping into the IFASMF DL utility
  - Lift the restriction on ARCHIVE/DELETE of entire logstream

### Overview

- Problem Statement / Need Addressed
  - Currently it is not possible to ARCHIVE or DELETE an entire logstream. This limits the configuration options customers have when setting up SMF logstream recording.
- Solution
  - Provide a method so that the ARCHIVE and DELETE operations can operate on the entire logstream.
- Benefit / Value
  - Being able to ARCHIVE or DELETE the entire logstream provides better migration options for customers who want to use SMF logstream recording.

### Usage and invocation

- There are no new keywords or options for this support.
- Without this support if an ARCHIVE or DELETE of an entire logstream is attempted IFASMF DL will fail and an IFA832I message will be issued to the job log.
- With SMF data set recording it is very common to see JCL that DUMPs and CLEARs a data set. The same JCL would be reused without requiring changes to the JCL.
- Now with this support a similar concept is available. Take the following SYSIN to IFASMF DL as an example:

```
LSNAME ( IFASMF . MULTSYS . STREAM1 , OPTIONS ( ARCHIVE ) )
OUTDD ( DUMP01 , TYPE ( 0 : 255 ) )
RELATIVEDATE ( BYDAY , 0 , 1 )
```

- The RELATIVEDATE parameter here will set the end time of selection to the date and time that the job was submitted.
- In the past this job would be at risk of failing if every thing in the logstream was selected. This would be a race between IFASMF DL and any SMF record writers.
- Now IFASMF DL will write a marker into the logstream to allow for the deletion of all of the data selected.
- If the logstream can not be written to this job will still fail.
- Currently the Summary Statistics Report written by IFASMF DL provides the date range of data read in all logstream.
- There was no way to quickly tell what data was processed (written and/or deleted) from any given logstream.
- New message IFA846I will now be displayed for all operations (DUMP, ARCHIVE, DELETE) and it will detail the range of data processed for each logstream.

```
IFA846I PROCESSED DATA RANGES FOR LOGSTREAMS
```

LSNAME	START DATE/TIME	END DATE/TIME
IFASMF . MULTSYS . STREAM3	11/05/2010 12:02:00	11/05/2010 12:06:00
IFASMF . MULTSYS . STREAM2	11/05/2010 12:03:00	11/05/2010 12:06:00

### Interactions and dependencies

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

### Migration and coexistence considerations

- None.

### Installation

- This support was rolled back to V1R11 and is available via the following PTFs for APAR OA34589:
  - HBB7760 UA58910
  - HBB7770 UA58911
- This support is available by default.

### Session summary

- This support for IFASMF DL allowing for ARCHIVE and DELETE of an entire SMF logstream can provide new migration and management methods for SMF data recorded to logstreams.

### Appendix - References

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