z/OS V1R13

DFSMS utilities: IEBCOPY AFP removal

Overview

- Problem Statement / Need Addressed
  - IEBCOPY performance should be improved
  - IEBCOPY should not require its caller (a program) to have APF (authorized program facility) authorization because it tends to endanger system integrity by requiring existing programs to get authorization although they were not designed with system integrity in mind.
- Solution
  - Improved some channel programs used for PDSs.
  - IEBCOPY adapts to the lack of APF authorization.
- Benefit / Value
  - Decreased elapsed time for some cases
  - System integrity is less exposed

Usage and invocation

- There is nothing to do to get the improved performance but there may be borderline cases where there is insufficient virtual storage.
  - Most IEBCOPY storage is below the line but now it is using buffers above the line.
- If your program calls IEBCOPY, you probably can remove APF authorization from your program, making it safer.
  - As delivered by IBM, IEBCOPY still has APF authorization and it should tend to run slightly more efficiently when it retains APF authorization but it adapts to the lack of APF authorization, such as when called by an unauthorized program.

Interactions and dependencies

- Software Dependencies
  - None
- Hardware Dependencies
  - None, IEBCOPY exploits existing hardware features that have been available for years
- Exploiters
  - None

Migration and coexistence considerations

- To allow for the possibility that IBM has inadvertently introduced an error or incompatibility, the old level of IEBCOPY is available in this release by the name of IEBCOPYO (for “OLD”).
- For many years IEBCOPY has had an undocumented alias IEBDSCPY.
- That alias now applies to IEBCOPYO. The new IEBCOPY has no alias.

Installation

- No change.

Appendix - References

- *z/OS DFSMSdfp Utilities,* SC26-7414-08