z/OS V2.5 IBM Education Assistant

Solution Name: Tagging Support for BPXCOPY

Solution Element(s): z/OS UNIX System Services

Agenda

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- Objectives

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Trademarks

- See url http://www.ibm.com/legal/copytrade.shtml for a list of trademarks.
- Additional Trademarks:
  - None

Objectives

- Review new file tagging support for the z/OS UNIX **BPXCOPY** program.

Overview

- ## Who (Audience)

  - Provide System Administrators with the capability to TAG UNIX files when using the BPXCOPY program to copy sequential or partitioned data sets or PDSE members to the UNIX file system.

- ## What (Solution)

  - Provide **TAG(ccsid) | NOTAG** keywords to the BPXCOPY program to indicate the desired tagging.

- ## Wow (Benefit / Value, Need Addressed)

  - Simplifies UNIX administration by tagging the data after it is copied to the UNIX space.

Usage & Invocation

Usage: You can invoke BPXCOPY in several ways:

- From JCL using EXEC PGM=BPXCOPY.
- From LINK, XCTL, ATTACH, a TSO/E CALL command with the asis option, or by a CALL after a LOAD.

New Parameters

- **TAG(ccsid) | NOTAG**

  TAG(ccsid) Specifies the Coded Character Set Identifier (CCSID) to assign to the file. The valid range for the CCSID is 1-65535. If 65535 is specified, then the file data is considered binary.

  NOTAG indicates that the file is not to be tagged, or if the file previously existed, the file TAG is removed.

  By default, the file TAG is not set (nor removed). This is the prior behavior.

Usage & Invocation

- JCL Example 1: Set file TAG to 1047

//BPXCPYU JOB MSGLEVEL(1,1),MSGCLASS=A

//STEP1 EXEC PGM=BPXCOPY,

// PARM='ELEMENT(testfile) TYPE(TEXT) **TAG(1047)**'

//SYSUT1 DD DSN=POSIX.JHCASE.EXEC(CATFILES),DISP=SHR

//*   SYSUT2 is the pathname of the target directory

//*   The directory/ELEMENT() value forms the target file

//SYSUT2 DD PATH='/tmp'

//SYSTSPRT DD SYSOUT=*

Results:

/tmp> ls -T TESTFILE

t IBM-1047   T=on TESTFILE

Usage & Invocation (continued)

- JCL Example 2: Set file tag to indicate Binary data

//BPXCPYU JOB MSGLEVEL(1,1),MSGCLASS=A

//STEP1 EXEC PGM=BPXCOPY,

// PARM='ELEMENT(testfile) TYPE(TEXT) **TAG(65535)**'

//SYSUT1 DD DSN=POSIX.JHCASE.EXEC(CATFILES),DISP=SHR

//*   SYSUT2 is the pathname of the target directory

//*   The directory/ELEMENT() value forms the target file

//SYSUT2 DD PATH='/tmp'

//SYSTSPRT DD SYSOUT=*

Results:

/tmp> ls -T TESTFILE

b binary   T=off TESTFILE

Usage & Invocation (continued)

- JCL Example 3: Remove (or do not set) file tag.

//BPXCPYU JOB MSGLEVEL(1,1),MSGCLASS=A

//STEP1 EXEC PGM=BPXCOPY,

//* Remove TAG from existing file.

// PARM='ELEMENT(testfile) TYPE(TEXT) **NOTAG**'

//SYSUT1 DD DSN=POSIX.JHCASE.EXEC(CATFILES),DISP=SHR

//*   SYSUT2 is the pathname of the target directory

//*   The directory/ELEMENT() value forms the target file

//SYSUT2 DD PATH='/tmp'

//SYSTSPRT DD SYSOUT=*

Results:

/tmp> ls -T TESTFILE

- untagged   T=off TESTFILE

Interactions & Dependencies

- Software Dependencies
  - None

- Hardware Dependencies
  - None

- Exploiters
  - None

Upgrade & Coexistence Considerations

- To exploit this solution, all systems in the Plex must be at the new z/OS level: No

- Toleration/coexistence APARs/PTFs: None

- Upgrade or coexistence considerations: None.

Installation & Configuration

- No considerations.

Summary

- Reviewed new file tagging support for z/OS UNIX **BPXCOPY** program
  - Reviewed new TAG|NOTAG keywords.
  - By default, the TAG value is not set/removed.
  - Reviewed invocation examples using JCL

Appendix

- z/OS UNIX System Services Command Reference
- z/OS UNIX System Services Messages and Codes