

z/OS 3.1 IBM Education Assistant

Solution Name: ISO-2022 work for Unicode standards

Solution Element(s): z/OS Unicode Services

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Agenda

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Trademarks

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

Objectives

- Describe the support provided for ISO-2022 standard in z/OS Unicode Services.

Overview

- Who
 - z/OS application programmers who want to convert data between ISO-2022-JP encodings and EBCDIC encodings and comply with the standard
- What
 - A new a flag bit, ISO2022_JP_ESC, has been introduced on the character conversion service
- Wow
 - When the ISO2022_JP_ESC flag bit is set on, character conversions from Unicode/EBCDIC encodings to ISO-2022-JP encodings will comply with the ISO-2022 standard.

Usage & Invocation 1/2

- When the ISO2022_JP_ESC flag bit is set off (by default), character conversions from Unicode/EBCDIC encodings to ISO-2022-JP encodings will behave as before.
 - No ISO2022-JP Roman or ASCII Escape sequence at the beginning of target buffer
- When the ISO2022_JP_ESC flag bit is set on, character conversions from Unicode/EBCDIC encodings to ISO-2022-JP encodings will add the ISO2022-JP Roman or ASCII Escape sequence at the beginning of target buffer which complies with the standard.

Usage & Invocation 2/2

Currently, eight ISO2022-JP CCISDs are supposed by z/OS.

- If the target CCSID is: 956, 957, 5052 or 5053, the ISO2022-JP Roman Escape sequence will be at the beginning of the target buffer.
- if target CCSID is 958, 959, 5054 or 5055, the ASCII Escape sequence will be at the beginning of the target buffer

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
- No upgrade/coexistence concerns
- No toleration/coexistence APARs/PTFs

Installation & Configuration

- No unique considerations

Summary

- New support has been provided in z/OS Unicode Services for ISO-2022 standard

Appendix

Publications Updated:

- z/OS Unicode Services User's Guide and Reference