IBM Education Assistance for z/OS V2R2

Item: S&U Man Pages
Element/Component: z/OS UNIX Shells and Utilities (S&U)

Agenda

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Trademarks

- See url http://www.ibm.com/legal/copytrade.shtml for a list of trademarks.

Presentation Objectives

- Introduce the features and benefits of the new z/OS UNIX Man Pages.

Overview

- Problem Statement / Need Addressed
    - The z/OS UNIX **man** command may use a 'cached' version of manual page in the USS file system even if it is a zero-byte file.
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- Solution
    - z/OS UNIX man command doesn't support the 'cached' version of manual page due to the security consideration.

- Benefit / Value
    - Invalid 'cached' version of manual page will not be used.
    - Remove the security vulnerability of 'cached' manual page.

Overview

- **Problem Statement / Need Addressed**
  - The z/OS UNIX **man** command used BookManager format for manual page before. But ID doesn't support the BookManager format, but DITA format for document.

- **Solution**
  - z/OS UNIX man command is updated to support a new format, Single Tagged pre-Formatted Plain Text (stfpt), for manual page. ID team can convert the DITA format file to the new format .stfpt manual page.

- **Benefit / Value**
  - The manual of UNIX System Services Command is converted from DITA to .stfpt format and displayed by man command transparent.

Usage & Invocation

- The 'cached' version manual is not supported.

- The BookManager format manual is still supported, but has low priority than new format .stfpt manual file.

- man searches MANPATH for the following files in this order:
     1. catn/entry.n in each directory in MANPATH
     2. ~~entry.n in /var/man/LANG (the man "cache")~~
     2. mann/*.**stfpt** in each directory in MANPATH
     3. mann/*.**book** in each directory in MANPATH
     4. mann/entry.n in each directory in MANPATH

Usage & Invocation

- Example

> man -x grep

Trying /usr/man/C/cat1/grep.1

Trying /usr/man/C/man1/*.stfpt

      Trying /usr/man/C/man1/bpxa5mst.stfpt

      Looking for topic "grep" in /usr/man/C/man1/bpxa5mst.stfpt

      And converting to codepage 1047

grep -- Search a file for a specified pattern

Format

  ...

Migration & Coexistence Considerations

- The cache files or directories (/var/man/*) of man command will be abandoned for the security considerations. Remove the cache files and directories (/var/man/ and all /var/man subdirectories and files) from the previous release for z/OS V2.2.

- The BookManager manual page of UNIX System Services Command bpxa5mst.book will not be delivered.

Presentation Summary

- The 'cached' version of manual page is not supported by man command.

- Support the new format, Single Tagged pre-Formatted Plain Text(stfpt), as the manual page.

Appendix

- See z/OS V2R2 *UNIX System Services Command Reference* for the S&U man command.