

# z/OS 3.1 IBM Education Assistant

Solution Name: Case-Insensitive Sort for ISPF UNIX Directory List HLD

Solution Element(s): ISPF

July 2023



# Agenda

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- Trademarks
- Objectives
- Overview
- Usage & Invocation
- Interactions & Dependencies
- Upgrade & Coexistence Considerations
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# Trademarks

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

# Objectives

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- Enable the user to sort the entries in the z/OS UNIX Directory List in a case-insensitive way (AaBbCc)
- This is to address Idea ZOS-I-1298 “UNIX file listings require extra work when viewing the list because of case sensitivity”.

# Overview

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- Who (Audience)

- z/OS UNIX Directory List Utility users

- What (Solution)

- The ISPF table containing the directory list entities has an additional non-displayable column containing the file name in all capital letters. The directory list can be sorted by the new column, resulting in a case-insensitive sort (AaBbCc)

- Wow (Benefit / Value, Need Addressed)

- The z/OS UNIX Directory List Utility will be more similar to ISHELL in enabling its users to sort case-insensitive and find specific files easier.

# Usage & Invocation (1 of 4)

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- The z/OS UNIX Directory list can be sorted case-insensitive in three ways:
  - In the panel ISRUUL01 as an on/off value. Turning on the case-insensitive option from this panel will save the preference to the user profile and will be applied on the next logon.
  - Change the field the list is sorted by in the ISRUULST panel to option 17. This will only change the sorting for this one instance.
  - In the panel ISRUULD0 use the command line **sort caseless** or **sort case**, then refresh to sort the list case insensitive.

# Usage & Invocation (2 of 4)

- z/OS UNIX Directory List Options panel (ISRUUL01)
- Case-insensitive sort option can be selected with a "/"

```
ISRUUL01          z/OS UNIX Directory List Options
Command ==> _____

Width of filename column . . . . . 15

Pathname substitution character . . . . !

z/OS UNIX command time limit . . . . . ____

Enter "/" to select option                                Output Mode
/ Confirm File Delete                                     2 1. View
/ Confirm Non-empty Directory Delete                     2. Browse
_ Bypass z/OS UNIX File Edit Options panel
_ Display permissions in octal format
/ Enter z/OS UNIX commands in Command field
_ Case-insensitive sort

F1=Help    F2=Split    F3=Exit    F4=Expand    F7=Backward
F8=Forward  F9=Swap     F10=Actions F12=Cancel
```

# Usage & Invocation (3 of 4)

- z/OS UNIX Directory List Sort panel (ISRUULST)
- Case-insensitive sort is option 17 in the list
- Can be invoked also with a **sort caseless** or a **sort case** command

```
ISRUULST rectory List Sort
                                More: -
6. Owner
7. Audit
8. Extended Attributes
9. Format
10. Group
11. Links
12. Size
13. Modified Date/Time
14. Changed Date/Time
15. Accessed Date/Time
16. Created Date/Time
17. Case-Insensitive
Direction
_ 1. Ascending
  2. Descending
  3. Default
F1=Help  F2=Split  F3=Exit
F4=Expand
```



# Usage & Invocation (4 of 4)

- z/OS UNIX Directory List panel (ISRUUDL0)
- Can be invoked with a **sort caseless** or a **sort case** command
- Needs to be followed by a **refresh** command

```
Menu Utilities View Options Help
ISRUUDL0 z/OS UNIX Directory List
Command ==> sort caseless

Pathname . : /samples
EUID . . . : 0
Command Filename Message Type Permission
-----
. Dir rwxr-xr-x
.. Dir rwxr-xr-x
.login File rw-r--r--
.profile File rwxr-xr-x
.tcshrc File rw-r--r--
ansi.ti File rwxr-xr-x
comics.lst File rwxr-xr-x
compile.c File rwxr-xr-x
complete.tcsh File rw-r--r--
copytree File rwxr-xr-x
```

# Interactions & Dependencies

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

# Upgrade & Coexistence Considerations

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- To exploit this solution, all systems in the Plex must be at the new z/OS level: **No**
- List any toleration/coexistence APARs/PTFs: **None**
- List anything that doesn't work the same anymore: **None**
- Upgrade or coexistence concerns: **None**

# Installation & Configuration

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- None

# Summary

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- The z/OS UNIX Directory List can be sorted case-insensitive
- This feature can be enabled through the Options panel or through the Sort panel

# Appendix 1

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- z/OS ISPF Publications
  - ISPF Dialog Developers Guide and Reference SC19-3619-60
  - ISPF Dialog Tag Language Guide and Reference SC19-3620-60
  - ISPF Edit and Edit Macros SC19-3621-60
  - ISPF Messages and Codes SC19-3622-60
  - ISPF Planning and Customization SC19-3623-60
  - **ISPF Reference Summary SC19-3624-60**
  - ISPF SCLM Guide and Reference SC19-3625-60
  - ISPF Services Guide SC19-3626-60
  - ISPF Users Guide Volume I SC19-3627-60
  - **ISPF Users Guide Volume II SC19-3628-60**