

IBM Education Assistant (IEA) for z/OS V2R3

ISPF: TSO 8-Character ID Support

Agenda

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Trademarks

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

Session Objectives

- Introduce the ISPF-specific aspects of support for TSO 8-character User IDs

Overview – Problem Statement

- In V2R3, z/OS will support the expansion of the TSO user ID from a maximum of 7 characters to a maximum of 8 characters
- No other change to rules on character composition of user IDs
- z/OS will provide a switch to enable an installation to request that 8-character user IDs be allowed.
- Initially, the default will be to maintain the 7-character maximum, changing in the future to allow the 8-character maximum, and eventually having the 8-character maximum become the standard

Overview – Solution

- ISPF Configuration will be updated to allow the customer to indicate whether new ISPF layouts (panels and saved lists) required to display 8-character user ID values are to be used.
- ISPF panels will be updated to allow for entry and display of 8-character user ID and prefix values.
- ISPF saved member lists will be updated to allow 8-character user ID values.
- ISPF listings will be updated to allow to 8-character user ID values.
- ISPF services will be updated to allow for input and output of 8-character user ID values.

Overview – Benefit / Value

- Supports TSO's V2R3 initiative to allow User IDs to be 8 characters in length

Usage & Invocation - Configuration

- Modify PDF Configuration Settings:

```
ISPPMOD3                      Modify PDF Configuration Settings
Command ==>

      2. Use COPY if the target block size is equal to the source block size,
      COPYMOD otherwise
      3. Always use COPYMOD

DSLISL Removable Media Settings
Enter "/" to select option
- Enable RM/Tape Commands

RM/Tape Command . . . %EDGRPD34
Command APPLID . . . EDG

Other PDF Settings
Default PDF Unit . . . . . SYSALLDA
Volume for Migrated Data Sets . . . . . MIGRAT
Delete Command for Migrated Data Sets . . . . . HDELETE
Allowed Allocation Units . . . . . ANY
Maximum IEBCOPY Return Code . . . . . 0
Pathname Substitution Character . . . . . !

Enter "/" to select option
- Allocate Before Uncatalog
/ Verify Expiration Dates
/ Use SuperC Program Interface
- Monitor Edit Macro Commands via the Activity Monitoring Exit
/ Allow SUBMIT from Browse
/ Allow SUBMIT from View
/ Warn when rename target could be a GDG
/ Default Edit/Browse/View member list from Option 3.4
/ Enable View
- Use Panel ISRTSOA in Option 6
- Print using ICF
- Disallow wildcards in the high level qualifier for Data Set List
- Disable all ENQ displays
/ Fail on LMF lock requests

When to use 8-character user ID layouts
1 1. When 8-character user IDs are enabled on the system
2 2. Always

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

- Some ISPF panels and saved lists will require a new layout to display 8-character values.
- A new setting allows control of when the new ISPF layouts are used.

Usage & Invocation – Configuration ...

- Associated keyword: **USE_EIGHT_CHARACTER_USER_ID_LAYOUTS**
- Possible values:
 - 1 (When 8-character user IDs are enabled on the system)
 - This is the default.
 - 2 (Always, including when 8-character user IDs are not enabled on the system)
 - This can be used by a customer who wants to run with the new layouts before enabling 8-character user IDs on the system.
 - This also supports a customer who enables 8-character user IDs, but is then forced for any reason to disable 8-character user IDs .
 - ISPF will be able to display 8-character values that are stored in the data.

Usage & Invocation - Panels

- Many ISPF panels display User ID information.
- Some of these fields have room to allow for the 8th character. Example:

```
Menu  Utilities  Compilers  Options  Status  Help
ISR@PRIM          ISPF Primary Option Menu
Option ==> _

0  Settings          Terminal and user parameters
1  View              Display source data or listings
2  Edit              Create or change source data
3  Utilities          Perform utility functions
4  Foreground        Interactive language processing
5  Batch             Submit job for language processing
6  Command           Enter TSO or Workstation commands
7  Dialog Test       Perform dialog testing
9  IBM Products      IBM program development products
10 SCLM              SW Configuration Library Manager
11 Workplace         ISPF Object/Action Workplace
12 z/OS System       z/OS system programmer applications
13 z/OS User         z/OS user applications

Enter X to Terminate using log/list defaults
```

User ID . . :	PACKETT
Time . . . :	18:22
Terminal . . :	3278
Screen . . . :	1
Language . . :	ENGLISH
Appl ID . . :	ISR
TSO logon . . :	TSO PREFIX
TSO prefix:	PACKETT
SV :	000000
MVS acct. . . :	007
Release . . . :	ISPF 7.3

- So, in V2R3, the User ID and TSO Prefix fields will allow the display of 8-character values

Usage & Invocation – Panels ...

- Some panels present more difficulty. Example:
- Enhanced Member List panel (ISRUDSM)
 - ID column displays the user ID.
 - There is no extra space to the right of the current 7-character user ID.

Menu Functions Confirm Utilities Help							
ISRUDSM BROWSE		PACKETT.EXEC		Row 0000001 of 0000014			
Command ==>				Scroll ==>		PAGE	
	Name	Prompt	Size	Created	Changed		ID
	FEKFLDSI		36	2015/05/19	2015/05/19 14:11:18		PACKETT
	GWCLIENT		544	2015/05/06	2015/06/01 13:59:31		PACKETT
	GWSVMULT		44	2015/05/06	2015/05/06 09:20:26		PACKETT
	GWSYSING						
	ISPD TLC		42790	2015/08/11	2015/08/14 12:16:51		PACKETT
	NEWDTLC						
	OGWCLNT		310	2014/07/24	2014/07/24 02:02:52		PACKETT
	PNGCLNT		552	2015/03/06	2015/03/06 12:06:54		MOOREJR
	RECALLOC		62	2015/04/09	2015/04/23 09:51:14		PACKETT

- In V2R3, if new layouts are requested by config:
 - The ID column is moved one character left, and the user ID field expanded to display 8-character values.

Usage & Invocation – Saved Lists

- Member lists and dataset allocation lists (from TSO ISRDDN) can be saved via the ISPF SAVE command.
 - These saved lists include the user ID in a column.
 - In some of these cases, there is room for an 8th character, so we only need to expand that column to 8 characters.
 - For cases where there is not room for the 8th character, if new layouts are requested by config, we will shift the column(s) to the left by 1 character, and expand the user ID column to 8 characters.

```
***** Top of Data *****
FEKFLDSI      01.05 15/05/19 14:11      36      35      0 PACKETT
GWCLIENT      01.18 15/07/17 10:43     546     544      0 PACKETT
GWSVMULT      01.00 15/05/06 09:20      44      44      0 PACKETT
GWSVSING
ISPCCACT      01.13 15/08/25 13:24     148     150      0 PACKETT
```

Usage & Invocation – Services

- A number of ISPF Services will be updated to support 8-character user IDs:
 - Services that allow a user ID to be passed in will allow a new variable, ZLUSER8, which can contain up to an 8-character user ID
 - ZLUSER will still be supported for existing calls handling 7-character IDs.
 - LMMADD (add a member to a dataset), LMMREP (replace a member of a data set)
 - Services that save the user ID to the function pool will save a new variable, ZLUSER8, which can contain up to an 8-character user ID.
 - We will always store the user ID in ZLUSER8.
 - If the user ID is less than 8 characters, we will also store it in ZLUSER.
 - If the user ID is 8 characters, ZLUSER will contain the string '>7BYTES'.
 - LMMDISP (member list service), LMMFIND (find a library member), LMMLIST (list a library's members)
 - LMMSTATS has a 7-character ID as a parameter.
 - A new parameter allowing an 8-character ID will be added.
 - The 8-character ID will be used if provided, otherwise the 7-character ID parameter will be used.
 - TBSTATS (retrieve table statistics) has a user ID parameter that already supports an 8-character value.
- ISPF System Variables ZUSER and ZPREFIX are already defined as 8-character values.

Interactions & Dependencies

- None.

Migration & Coexistence Considerations

- There are no migration or coexistence considerations, but there is one fallback consideration to be aware of:
 - If you enable 8-character user ID support within z/OS and later disable it, ISPF will remember any 8-character user ID values that were saved in directory entries. ISPF will not be able to display the 8-character user ID values on some panels and saved lists if the default value of **USE_EIGHT_CHARACTER_USER_ID_LAYOUTS** (1 - When 8-character user IDs are enabled on the system) has been taken.
 - In this case, ISPF will display 8 character user ID values using the first 6 characters of the user ID followed by “>” (to indicate that the entire value is not being displayed). The full user ID value can be viewed on the Info panel. (See example on next chart.)
 - You may wish to set **USE_EIGHT_CHARACTER_USER_ID_LAYOUTS** to “2 – Always” in this case.

Migration & Coexistence Considerations ...

- Example of an 8-character user ID without 8-character panel layouts enabled:

Menu	Functions	Confirm	Utilities	Help			
ISRUDSM	DSL	LIST	PACKETT.EXEC		Row	0000043 of 0000059	
Command	==>				Scroll	==>	PAGE
	Name	Prompt	Size	Created	Changed	ID	
	TBSKIP		15	2015/12/08	2016/12/06 14:29:01	PACKETT	
	TBSKIPBK		14	2015/12/08	2016/12/06 12:08:22	PACKETT	
	TBSKIPFW		14	2015/12/08	2016/12/06 12:08:55	PACKETT	
	TBSORT		9	2015/12/08	2016/12/06 11:35:16	PACKETT	
	TBSTATS		15	2015/12/08	2015/12/10 14:23:48	USER12>	
	TBTOP		9	2015/12/08	2016/12/06 11:59:26	PACKETT	
	TEST		92	2016/01/04	2016/01/04 16:28:28	PACKETT	
	TESTEDIT		6	2015/02/06	2015/12/08 12:22:29	PACKETT	

- Info panel shows entire 8-character user ID:

```

Menu Functions Confirm Utilities Help
ISRUDSI DSLIST PACKETT.EXEC
Command ==>

Member name . . . . . : TBSTATS      Directory flag byte
Concatenation number . . . . . : 1      Bit 0 : 0  SCLM
Version . Modification . . . . . : 01.17 Bit 2 : 0  Ext Stats
Create Date . . . . . : 2015/12/08    Bit 3 : 0
Modification Date . . . . . : 2015/12/10 Bit 4 : 0
Modification Time . . . . . : 14:23:48 Bit 5 : 0
Userid that Created/Modified : USER1234 Bit 6 : 0
                                   Bit 7 : 0

```


Installation

- None.

Session Summary

- In support of TSO's V2R3 ability to allow 8-character User IDs, ISPF is updated to support the 8-character IDs, with panels and field widths updated as needed.

Appendix

- ISPF Publications:
 - z/OS V2R3 ISPF Dialog Developer's Guide and Reference (SC19-3619-02)
 - z/OS V2R3 ISPF DTL Guide (SC19-3620-02)
 - z/OS V2R3 ISPF Edit and Edit Macros (SC19-3621-02)
 - z/OS V2R3 ISPF Messages and Codes (SC19-3622-02)
 - z/OS V2R3 ISPF Planning and Customizing (SC19-3623-02)
 - z/OS V2R3 ISPF Reference Summary (SC19-3624-02)
 - z/OS V2R3 ISPF SCLM Guide and Reference (SC19-3625-02)
 - z/OS V2R3 ISPF Services Guide (SC19-3626-02)
 - z/OS V2R3 ISPF User's Guide, Volume I (SC19-3627-02)
 - z/OS V2R3 ISPF User's Guide, Volume II (SC19-3628-02)