

# IBM Education Assistance (IEA) for z/OS V2R3

TSO/E 8 Character Userids

# Agenda

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- Migration & Coexistence Considerations
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# Trademarks

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

# Session Objectives

- Understand what changes were made to support 8 character IDs in TSO/E.
- Understand how to activate the use of 8 Character TSO/E IDs
- Understand the impacts in other products and installation applications that need to support 8 character TSO/E IDs
- Understand Coexistence with lower level systems

# Overview

- Problem Statement / Need Addressed
  - A long standing requirement is being answered in this support. The ability to have the same ID across all z/OS applications is required. 8 Character IDs cannot be used in the TSO/E environment.
- Solution
  - The ability to use an 8 character ID as a full function TSO/E user id is being implemented.
- Benefit / Value
  - All defined z/OS userids, regardless of length can be TSO/E users

# Usage & Invocation

- TSO/E is being updated to allow userids that are 8 characters in length
  - 7 character limit based on UADS structure (unchanged)
  - 8 Character IDs must be defined to RACF with TSO segment
- New IKJTSOxx keyword to support activation of 8 Character userids
  - USERIDMAX {(7)} | {(8)} on the LOGON statement
  - IKJTST macro: Add TSVTUMXL (Userid max len: 1 Byte)
    - Value is 0, 7 or 8
    - 0 and 7 denote old maximum of 7 character IDs allowed
- SEND/LISTBC
  - User logs should be enabled in concert with this support
  - SYS1.BROADCAST will not be used to store messages for 8 character IDs
  - Messages for 8 character IDs can only be stored in User Logs
  - Will receive messages if user logs not defined and sent data to be stored for an 8 character ID

# Usage & Invocation - Commands

- LOGON
  - Panels updated to allow input of 8 character IDs
  - Only one field is changed: Userid (expanded from 7 to 8 characters)
  - Line mode LOGON Parsing updates
  - Users in UADS still have 7 character restriction
- PROFILE command to accept 8 character PREFIX values
- All TSO/E commands accepting userids (except ACCOUNT sub-commands) will accept 8 character userids/prefixes
- Information Center Facility has not been updated to support 8 Character IDs
  - New Messages
    - ICQAM709 User ID too long for invocation of application
    - ICQGC988 User ID too long for invocation of Information Center Facility

# Usage & Invocation – Parsing Updates

- IKJPOSIT is be updated to support two new data types
  - UID82PWD – Like UID2PSWD allowing up to 8 characters
  - USERID8 – Like USERID allowing up to 8 characters
- Syntax is the same as the existing 7 character IKJPOSITs except for length allowed
- Macro invocation handled the same manner
- When using these macros validity check exits can be coded to check the current allowed length and fail 8 characters if TSVTUMXL<8
- IKJPOSIT DSNAMES and DSTHING will use 8 character prefix value, if set



# Usage & Invocation – Control Blocks

- Many control blocks currently define users as 8 characters and only use 7
- External control block updates
  - IKJPSCB
    - PSCBUSER is 7 characters
    - Contains “>7BYTES” when 8 character ID defined (PSCBUGT7 Constant)
    - PSCBUID8 created to house 8 character ID
    - PSCBU8L contains length
    - Both PSCBUSER and PSCBUID8 will be set for shorter ID
  - IKJUPT
    - UPTPREFIX is 7 characters
    - Contains “>7BYTES” when 8 character ID defined (UPTPGT7 Constant)
    - UPTPREFIX8 created to house 8 character ID
      - Always has value regardless of system setting
    - UPTPRF8L contains length
    - Both UTPPREFIX and UTPPREFIX8 will be set for shorter ID

# Usage & Invocation – Control Blocks

- Parts updated for external control block update
  - IKJEFLWA
    - LWARNM is 7 characters
    - LWARNM8 created to house 8 character ID
  - IKJEFFCT (Internal, but documented)
    - CTIDINFO will increase to size of 9
    - CTUSERID will increase to size of 8
  - IKJTSVT
    - TSVTUMXL defines max ID length (possible values: 0,7,8)
    - If 7 or less then max is 7

# Interactions & Dependencies

- Many products required updates for this support.
- All known dependencies addressed in V2R3 development or APAR/PTF in affected products

# Migration & Coexistence Considerations

- Any installation owned code that accesses userid values in either IBM or locally defined data areas need to support 8 character values
  - If old fields in TSO control blocks are being accessed, update code to use new fields
- Toleration support is required on lower releases that would allow LOGON from another image or sharing broadcast DATASET
  - OA50148

# Installation

- Until support is activated, no other support is required.
- Upon activation all products accessing userids must support 8 character IDs
  - Many have support in V2R3 base
  - Some have PTF support
- There is a FIXCAT for this support
  - IBM.Function.TSO.8CharUserid
  - Run SMP/E REPORT MISSINGFIX to find missing related support

# Session Summary

- What we have covered
  - What changes were made to support 8 character IDs in TSO/E.
  - How to activate the use of 8 Character TSO/E IDs
  - The impacts in other products and installation applications that need to support 8 character TSO/E IDs
  - Coexistence with lower level systems

# Appendix

- z/OS TSO/E Administration
- z/OS TSO/E CLISTs
- z/OS TSO/E Command Reference
- z/OS TSO/E Customization
- z/OS TSO/E General Information
- z/OS TSO/E Messages
- z/OS TSO/E Primer
- z/OS TSO/E Programming Guide
- z/OS TSO/E Programming Services
- z/OS TSO/E REXX Reference
- z/OS TSO/E REXX User's Guide
- z/OS TSO/E System Diagnosis: Data Areas
- z/OS TSO/E System Programming Command Reference
- z/OS TSO/E User's Guide