

IBM Education Assistance (IEA) for z/OS V2R3

CEA TSO/E address space services (TSOASMGR)

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

- Summarize the new TSOASMGR Remote support
- Explain security setup necessary to support new Remote function

Overview

- Need Addressed:
 - TSO Address Space Manager is a collection of APIs that allow applications (e.g. zOSMF and others) to provide a TSO session through a modern browser interface. These sessions can be on **any** system in the sysplex
- Problem Statement
 - Wouldn't it be nice to manage a TSO session on any system in the sysplex regardless of what system the caller was running on? But Wait!
 - How do we know userid FRED on system 1 is userid FRED on system 2?
 - I don't want any part of that---- how do I prevent it?
- Solution:
 - Code will check that security databases are the same between the two systems involved.
 - New SAF resource to control TSO traffic flow between systems
- Benefit / Value:
 - Continued vigilance in regard to system access

Usage & Invocation

- To allow the system to determine the same SAF database is being used (so that FRED on SY1 = FRED on SY2)
 - EACH system involved must each have the **same** APPLDATA defined in the SAFDFLT realm. So,
 - RDEFINE REALM SAFDFLT APPLDATA('racf.ceatsoasmgr')
 - 'racf.ceatsoasmgr' can be anything, but **must be the same** value on each system.
- CEASEC job has sample code.
- Planned documentation: z/OS MVS Programming: Callable Services for High-Level Languages, TSOASMGr chapter.

Usage & Invocation

- To allow a user to create a TSO session on another system in the sysplex.
 - In the appropriate SAF database, the caller must be permitted to both systems with the following entity:
 - CEA.CEATSO.FLOW.systemname
 - CEA.CEATSO.FLOW.systemname
- CEASEC job has sample code.
- Planned documentation: z/OS MVS Programming: Callable Services for High-Level Languages, TSOASMgr chapter.

Interactions & Dependencies

- Software Dependencies
 - SAF security product. (Examples here are RACF.)
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- Hardware Dependencies
 - None.
- Exploiters
 - z/OSMF
 - vendors/other products can use these APIs to create these kind of applications.

Migration & Coexistence Considerations

- TSOASMgr applications that are not remote, will continue to work.
- TSOASMGR applications that are **remote** will require adjustments to the application code as documented to support this new function.
 - Additionally, those applications that run in the TSO address space will need to be adjusted to work with remotely created TSO sessions.

Session Summary

- To support those applications that take advantage of the new remote capability, adjust the security permissions as indicated.

Appendix

- z/OS MVS Programming: Callable Services for High Level Languages, TSOASMgr chapter
- ICN CEA TSOASMGR for applications running in the TSO Address space
- ICN CEA TSOASMGR for creators of TSOASMGR sessions