IBM

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

Support for email address in RACF user profile,
Provide consistent UID=0 reporting,
CICS Auditing support for ICSF,
Change SDSF class CDT to require RACLIST

# 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

- Provide an overview of new RACF V2R3 updates:

  - Support for email address in RACF user profile

  - Provide consistent UID=0 reporting

  - CICS Auditing support for ICSF

  - Change SDSF class CDT to require RACLIST

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# Overview

- Problem Statement / Need Addressed

    - z/OSMF has a notification feature.  When events of interest occur, a notification is created in z/OSMF, and a user must logon to z/OSMF proactively in order to check his or her notifications.  It would be more desirable for z/OSMF to be able to send that user an e-mail with the notification content, or at least an alert that one is waiting.

    - JES2 is increasing the use of e-mail ids in V2R3.  It is adding support for notification to an email address and allowing the specification of an email address as the "user" to be associated with a job.

- Solution

    - RACF will satisfy this requirement by defining an e-mail field in the existing WORKATTR segment of the user profile.

- Benefit / Value

    - Improved user communication.

# Usage & Invocation

- ADDUSER DREW WORKATTR(WAEMAIL('XXXX@US.IBM.COM'))

- ALTUSER DREW WORKATTR(WAEMAIL('XXXX@US.IBM.COM'))

- ALTUSER DREW WORKATTR(NOWAEMAIL)

  - The NOWAEMAIL sub-operand deletes the e-mail address from the profile.

- The R_usermap callable service has 2 new function codes to map the user id and email in both directions.

- Standard updates to the templates, dynamic parse files, ADDUSER, ALTUSER, AND LISTUSER commands, R_Admin, IRRDBU00, etc.

# Interactions & Dependencies

- Exploiters

  - z/OSMF

  - JES2

# Migration & Coexistence Considerations

- NONE

# Installation

- NONE

# Overview

- Problem Statement / Need Addressed

    - The problem exhibits itself most commonly when someone is issuing a shell "ls" command. An "ls" command will result in showing a user ID that is hard coded to have a UID=0 in the RACF Database. This value can change over time and is unnerving to customers.

- Solution

    - RACF will extend the use of the USS PARMLIB BPXPRMxx keyword called SUPERUSER(xxxxxxx) to provide consistent UID=0 reporting. When you issue an "ls -l"

- Benefit / Value

    - Customers will no longer see inconsistent UID=0 mappings.

# Usage & Invocation

- BPXPRMxx Keyword:

    - Superuser name, which must conform to the restrictions for the z/OS user ID. The user name must also be defined to RACF (or another security product) and must have a z/OS UNIX user ID (UID) of 0. For example, in RACF, specify OMVS(UID(0)) on the ADDUSER command.

# Interactions & Dependencies

- Exploiters

    - USS

# Migration & Coexistence Considerations

- USS_SUPERUSER Health Check

    - The check verifies that the SUPERUSER option in BPXPRMxx contains a user ID that is defined to the security product and has an OMVS segment with a UID of 0.

    - The check will run once per IPL unless an error is found. It will also run any time SUPERUSER is changed via a SETOMVS or SET OMVS system command.

# Installation

- NONE

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# Overview

- Problem Statement / Need Addressed

  - Currently CICS transactions run under the identity of the CICS address space, which is used for authentication to ICSF services and keys. Customers have requested the ability to log the identity of the CICS user in addition to the identity of the CICS address space identity.

- Solution

  - ICSF will do RACROUTE FASTAUTH calls including the new LOGSTRX option to determine if the caller is permitted to the CSFSERV or CSFKEYS profiles. RACF will include the LOGSTRX data in the Type 80 SMF record for resource access and support unloading the LOGSTRX data in a flat file or XML format.

- Benefit / Value

  - Allows customer to identify which CICS users are accessing which ICSF services and keys.

# Usage & Invocation

- Macro updates to RACROUTE REQUEST=FASTAUTH needed on Standard, List, and Execute forms. **Note: There is no Modify form for FASTAUTH.

- LOGSTRX=YES on REQUEST=FASTAUTH

- LOGSTRX=NO on REQUEST=FASTAUTH

- Specifying LOGSTRX without LOGSTR will result in a macro failing to assemble. LOGSTRX is only supported on REQUEST=FASTAUTH.

- If you specify LOGSTRX=YES, the data that is specified with the LOGSTR= parameter must comply with the format described in IRRPLGSX. The new format allows for a larger number of characters to be specified.

# Interactions & Dependencies

- Exploiters

    - ICSF release HCR77C1

    - CICS

# Migration & Coexistence Considerations

- None

# Installation

- None

# Overview

- Problem Statement / Need Addressed

  - The default RACLIST parameter for the SDSF class is currently not required, however SDSF changes in V2R3 will now always require a RACLIST.

- Solution

  - RACF will now make the SDSF class RACLIST required.

- Benefit / Value

  - Allows more efficient RACF resource checking by SDSF.

# Usage & Invocation

- This requires that the SDSF class be RACLISTed using the "SETROPTS RACLIST(SDSF)" command and that the class be refreshed after changes are made to profiles in the SDSF class, which is done by the "SETROPTS RACLIST(SDSF) REFRESH" command.

# Interactions & Dependencies

- Exploiters

  - SDSF

# Migration & Coexistence Considerations

This table provides more details about the migration action. Use this information to plan your changes to the system.

| | |
|---|---|
| Element or feature: | SDSF RACLIST required |
| When change was introduced: | z/OS V2R3 |
| Applies to migration from: | z/OS V2R3 |
| Timing: | After the first IPL of z/OS V2R3. |
| Is the migration action required? | Yes |
| Target system hardware requirements: | None. |
| Target system software requirements: | None. |
| Other system (coexistence or fallback) requirements: | None. |
| Restrictions: | None. |
| System impacts: | None. |
| Related IBM® Health Checker for z/OS® check: | None. |

## Steps to take

Follow these steps:

1. Issue "SETROPTS RACLIST(SDSF)" after the first IPL, or
2. Issue "SETROPTS RACLIST(SDSF) REFRESH" whenever an update is made to the class.

# Installation

- NONE

# Session Summary

- Allow customers to store an email address in a RACF user profile.

- Allow customers to log additional CICS user information via SMF Type 80 records.

- Show consistent UID=0 mappings in the USS environment.

- Allow RACROUTE REQUEST=FASTAUTH with the SDSF class.

# Appendix

- Allow customers to store an email address in a RACF user profile.

  - SA23-2293-00    z/OS Security Server RACF Callable Services

  - SA23-2292-00    z/OS Security Server RACF Command Language Reference

  - GA32-0885-00    z/OS Security Server RACF Data Areas

  - SA23-2291-00    z/OS Security Server RACF Messages and Codes

  - SA23-2289-00    z/OS Security Server RACF Security Administrator's Guide

  - SA23-2288-00    z/OS Security Server RACF Macros and Interfaces

  - SA23-2298-00    z/OS Security Server RACF General User's Guide

- Allow customers to log additional CICS user information via SMF Type 80 records.

  - SA23-2290-00    z/OS Security Server RACF Auditor's Guide

  - SA23-2291-00    z/OS Security Server RACF Messages and Codes

  - SA23-2294-00    z/OS Security Server RACROUTE Macro Reference

- Show consistent UID=0 mappings in the USS environment.

  - SA23-2280-30    z/OS UNIX System Services Command Reference

  - SC23-6843-30    z/OS UNIX System Services Planning – Health Checker

- Allow RACROUTE REQUEST=FASTAUTH with the SDSF class.

  - SA23-2288-00    z/OS Security Server RACF Macros and Interfaces