RACF Event Subsystem

Before installing Novell Nsure™ Identity Manager Driver for MVS* RACF* components, obtain the latest support pack and product updates, and review the Release Notes and Readme files.

REQUIRED KNOWLEDGE AND SKILLS

Successful installation of the RACF Event Subsystem requires MVS system programming expertise. Successful deployment of Novell Nsure Identity Manager Driver for MVS RACF requires a thorough understanding of Nsure Identity Manager and of the MVS RACF driver, and a complete understanding of the technical and business standards, conventions, processes, practices, and procedures used by the local installation.

- For detailed information about Nsure Identity Manager, see the Novell Nsure Identity Manager documentation Web site (http://www.novell.com/documentation/lg/dirxml20).

- For detailed information about the MVS RACF driver, see *Novell Nsure Identity Manager Driver for MVS RACF Implementation Guide* (http://www.novell.com/documentation/lg/dirxmldrivers/index.html).

SOFTWARE REQUIREMENTS

- Any OS/390* or z/OS* release supported by IBM*

- RACF 1.9 or later

INSTALLING THE RACF EVENT SUBSYSTEM

Install the RACF Event Subsystem on each MVS system that shares the RACF database.

1 Set up the libraries on your MVS system.

The RACF Event Subsystem is packaged as TRANSMIT unloaded MVS partitioned data sets (PDS).

- **Samples Library:** LDXSAMP.XMT

- **Load Library:** LDXLOAD.XMT

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To prepare the samples library and load library for use, use ftp to upload these files to your MVS system from a PC or file server.

1a `FTP your-MVS-hostname`

1b Authenticate to MVS using your user ID and password.

1c `QUOTE SITE LRECL=80 RECFM=FB`

1d If you need the files to be stored on a specific disk volume, enter
`QUOTE SITE VOL=volser`

1e `BINARY`

1f `PUT LDXSAMP.XMT`

1g `PUT LDXLOAD.XMT`

1h `QUIT`

2 Use the TSO RECEIVE command to unpack the samples and load library data sets.

3 Add the LDX load library to your APF list.

4 Customize and run the LOGINIT job in the samples library to allocate and initialize the Change Log data set.

5 Set up the Change Log Started Task by copying and customizing member LDXLOGRP from the samples library to your started task procedure library.

You can give the Change Log Started Task a different name if necessary.

Start the Change Log Started Task during your IPL procedure before user processing begins. Stop the Change Log Started Task during your system shutdown procedure after all user processing has ended.

6 Authorize the LDXSERV TSO command by adding LDXSERV to the list of APF authorized TSO commands in your PARMLIB IKJTSO*xx* member.

7 Install the LDXPROC TSO logon procedure by copying member LDXPROC from the samples library to your TSO logon procedure library.

You can give the logon procedure a different name if necessary.

8 Create an administrative user ID for the driver TSO session (once for each RACF database).

8a Define the user with the ADDUSER command.

Specify values for the various parameters as appropriate for your standards. Specify the name of the logon procedure that you prepared in . There are no restrictions placed by the driver on the name of the user ID.

The user ID used by the driver must be given the RACF SPECIAL and TSO attributes, and must have no restrictions placed on it that could prevent its intended processing.

Example:

```
ADDUSER LDXUSER DFLTGRP(mygroup) -
 NAME('RACF DRIVER') PASSWORD(initial) SPECIAL -
 TSO(PROC(LDXPROC) SIZE(32768))
```

8b Set the password of the user ID to never expire.

Example:

```
PASSWORD USER(LDXUSER) NOINTERVAL
```

8c Reset the password of the user ID and mark it not expired. (RACF marks the value specified on the ADDUSER command as being expired.)

Example:

```
ALTUSER LDXUSER NOEXPIRED PASSWORD(xxx)
```

When you set up the Driver object, you specify the user ID and password you create here.

9 Test the RACF Event Subsystem before installing the RACF exits.

9a Start the Change Log Started Task.

9b Log on to TSO using the adminsitrative ID you created for the driver.

9c Issue the command
LDXSERV STATUS

Examine the output of the command. You should see information about the cross memory queue, information about the Change Log Started Task, and a valid, empty Change Log data set.

10 Install LDXEVX01, the Common Command exit, using the Dynamic Exit Facility.

For testing, we recommend that you set up two PROGxx members in SYS1.PARMLIB (or equivalent), to allow for easy removal of the exit if desired.

10a Edit SAMPLIB members PROGAD and PROGDL. Change <LDX load library> to your LDX load library name.

10b Copy these two members to your system PARMLIB data set. If you already have a PROGAD or PROGDL member, rename the LDX members to a PROGxx name that's not in use.

10c When ready, use the console command **SET PROG=AD** to activate LDXEVX01 as an IRREVX01 exit point.

10d To uninstall the LDX exit, issue **SET PROG=DL** as a console command.

For permanent installation, do one of the following:

- Add the EXIT ADD statement in PROGAD to your production PROGxx PARMLIB member.

- ◆ Add a SET PROG=AD command to CONSOL00 or an automation script, so that it is issued during your IPL procedure.

11 Install ICHRIX02, the RACROUTE REQUEST=VERIFY(X) (RACINIT) postprocessing exit.

- ◆ If you do not have an existing ICHRIX02 exit, run the job in the samples library member RIX0A. This job uses SMP/E to linkedit LDXRIX02 into SYS1.LPALIB as exit ICHRIX02.

- ◆ If you have an existing ICHRIX02 exit, update samples library member RIX0B as appropriate. RIX0B installs a router that calls the driver postprocessing exit and your existing exit.

12 After you have installed LDXEVX01 and ICHRIX02, IPL the MVS system with the CLPA option.

13 Test the completed RACF Event Subsystem installation.

13a Start the Change Log Started Task.

13b Perform some actions to exercise the two RACF exits and create some sample events.

- ◆ Change a password using the logon screen.

- ◆ Create new user ID.

13c Log on to TSO using the administrative user ID you created for the driver.

13d Issue the command
LDXSERV STATUS

Examine the output of the command. You should see the RACF exits loaded, information about the cross memory queue, information about the Change Log Started Task, and a valid, non-empty Change Log data set.