

# PW-SYNCH - RACF DATABASE PASSWORD SYNCHRONIZATION PROGRAMS

PW-Synch is a program that allows an installation to update passwords, off-loaded from one or more RACF databases.

**Make sure a backup of the RACF database is done before executing the PW-Synch update program.**

To perform RACF database password extraction and updates, a user must be permitted to the RACF profiles RA2002.DEB\$PWR1 and 2 as outlined in the installation section.

Before executing the batch programs discussed below, allocate a //PASSWORD data set. The //PASSWORD data set is used as a repository for extracted RACF user-IDs and passwords. Allocation format is:

|            |           |                                      |
|------------|-----------|--------------------------------------|
| //PASSWORD | CYLS(1,3) | DCB=(RECFM=FB,LRECL=58,BLKSIZE=5800) |
|------------|-----------|--------------------------------------|

PW-Synch process consists of two programs:

## RACF database password extraction program DEC\$PWR1

Run the following JCL (refer to the RA2002.SAMPLIB member DEB\$PWR1) to extract the RACF passwords:

```
//STEP1 EXEC PGM=DEB$PWR1
//STEPLIB DD DISP=SHR,DSN=YOUR.RA2002.V3R6M0.LINKLIB <--- CHANGE
//PASSWORD DD DISP=SHR,DSN=YOUR.PASSWORD
//RA2PRINT DD SYSOUT=*
//
```

Above program extracts the relevant information from the live RACF database and stores the information in the //PASSWORD data set. This data set will be used as input to the PW-Synch update program called DEB\$PWR2.

- Sample: //PASSWORD data set**

```
XRZP003 EUGEN ALSCH 1999-04-01 L
EDEDFFF4CECCD4444444444444444DECC444FFF6FF6FF0000B47E684D
799700305475500000000000000004393800019990040010008A45B7D03
-----
XRZP0033EUGENTEST ALSCH 1999-04-02
EDEDFFFCECCDECEE4444444444444444DECC444FFF6FF6FF000011111111
79970033547553523000000000000043938000199900400200082222222
-----
0 #####ALSCH 1999-04-02 VOGT
F4444444777777777777777777777777777777777777777777777777777777
00000000BBBBBBBBBBBBBBBBBBBB439380001999004002000856730000
-----
```

A user can edit the password data set and remove or add user-IDs or merge user-IDs from other //PASSWORD data sets if necessary.

**Note**

**DO NOT update the encrypted passwords in the data set.**

## RA2002 - Batch tools

• **Sample: //RA2PRINT report**

| 1DEB\$PWR1-10 RACF PASSWORD EXTRACTION SERVICES | ALS(C) V3R6M0 04/02/99 09.17 RACF VERS 2060 | PAGE: 2          |          |       |         |           |       |         |            |            |          |            |
|---|---|------------------|----------|-------|---------|-----------|-------|---------|------------|------------|----------|------------|
|   |   | DATE: 1999/04/02 |          |       |         |           |       |         |            |            |          |            |
| OUSER-ID  | USER-NAME                                   | INST.-DATE       | DEFGROUP | OWNER | SPECIAL | OPERATION | AUDIT | REVOKED | REVOKEDATE | LAST-LOGON | HH:MM:SS | PW-CHANGED |
| RA7LOG  | RA7 SMF LOGGER                              | 1998-09-01       | @STC     | SYS1  | N       | N         | N     | N       |            | 1999-03-01 | 19:12:59 |            |
| RA7LOGD   | RA7 SMF LOGGER DUMP                         | 1998-09-09       | @STC     | SYS1  | N       | N         | N     | N       |            | 1998-11-03 | 22:09:14 |            |
| RA7QPAC   | #####                                       | 1998-09-18       | XRZP001  | SYS1  | N       | N         | N     | N       |            | 1998-10-05 | 13:36:33 |            |
| RMF   | RESOURCE MANAGEMENT                         | 1998-11-19       | @STC     | SYS1  | N       | N         | N     | N       |            | 1998-11-26 | 9:46:44  |            |
| RVL   | #####                                       | 1998-09-12       | XRZP001  | ALSCH | Y       | N         | N     | N       |            | 1999-04-01 | 16:44:49 |            |
| XRZP001   | EUGEN RA/7 LOG                              | 1998-08-20       | ALSCH    | ALSCH | Y       | N         | Y     | N       |            | 1999-04-02 | 18:45:22 | 1999-03-08 |
| XRZP003   | EUGEN                                       | 1998-08-20       | XRZP001  | ALSCH | Y       | N         | N     | N       |            | 1999-04-02 | 20:12:55 | 1999-04-01 |
| XRZP0033  | EUGENTEST                                   | 1998-11-24       | XRZP003  | ALSCH | N       | N         | N     | N       |            | 1998-11-24 | 19:47:43 | 1999-04-02 |
| 0   | #####                                       | 1998-09-15       | XRZP003  | ALSCH | Y       | N         | N     | N       | 2012-12-12 | 1999-04-02 | 10:05:09 | 1999-04-02 |

The report lists:

**User-ID**

**Programmers name**

**Inst. Date**

**Default group name**

**Owner**

**User-ID attributes**

**Last logon date and time**

**PW-changed**

- Date when the user profile was created
- RACF profile owner
- Special
- Operations
- Audit
- Revoked
- Revoke date if applicable
- Date and time a user logged on to the system
- Date of the last password change

Note: User-IDs having no password date should be excluded from the //PASSWORD data set.  
Col. 37 in the length of 10 characters is set to blanks.

• **Sample: //PASSWORD record layout**

|          |    |          |                                  |
|----------|----|----------|----------------------------------|
| PUNCH    | DS | 0CL58    |                                  |
| PUNUSER1 | DC | CL08 ' ' | RACF user-ID                     |
| PUNPGMN1 | DC | CL20 ' ' | Programmers name                 |
| PUNDGRP1 | DC | CL08 ' ' | Default group of the user-ID     |
| PUNPASSD | DC | CL10 ' ' | Password date (last changed)     |
| PUNPASSL | DC | CL04 ' ' | Length of the encrypted password |
| PUNPASSW | DC | CL08 ' ' | Encrypted password               |

## RACF database password update program DEC\$PWR2

Run the following JCL (refer to the RA2002.SAMPLIB member DEB\$PWR2) to update the RACF passwords:

```
//STEP2 EXEC PGM=DEB$PWR2
//STEPLIB DD DISP=SHR,DSN=YOUR.RA2002.V3R6M0.LINKLIB <--- CHANGE
//PASSWORD DD DISP=SHR,DSN=YOUR.PASSWORD
//RA2PRINT DD SYSOUT=*
//
```

Above program updates the password information on the live RACF database.

## RA2002 - Batch tools

### • Sample: //RA2PRINT report

```
1DEB$PWR2-10 RACF PASSWORD UPDATE SERVICES          ALS(C) V3R6M0 04/02/99 18.55  RACF VERS 2060          PAGE:      1
              (REPORTED DATA EXTRACTED FROM //PASSWORD DD )          DATE:1999/04/02

0USER-ID  USER-NAME          DEFGROUP PW-CHANGED MESSAGE
-----
XRZFP003  EUGEN                ALSCH    1999-04-01 WARNING : PASSWORD IS THE SAME AS ON RACF DB
                                     PASSWORD WILL NOT BE UPDATED
XRZFP0033 EUGENTEST            ALSCH    PASSWORD : USER-ID UPDATED INCL. PASSWORD DATE
0          ##### ALSCH    1999-04-02 WARNING : PASSWORD IS THE SAME AS ON RACF DB
                                     PASSWORD WILL NOT BE UPDATED
```

The report lists the following information retrieved from the //PASSWORD data set:

**User-ID**

**Programmers name**

**Inst. Date**

**Default group name**

**PW-changed**

- Date when the user profile was created
- Date of the last password change

### Note

The PW-Synch update program will ignore updates to the live RACF database when:

- no corresponding user-ID is found on the RACF database
- the password date on the live RACF database is higher than the one found in //PASSWORD
- the password on the live RACF database and the //PASSWORD data set are equal

# PW-WEAK - RACF PASSWORD VERIFICATION PROGRAM

PW-Weak is a program that allows an installation to search and report on weak passwords.

The password is what prevents other people from misusing IT-Systems in the user's name. If a password is compromised, then other people can misuse e.g. your IT-Systems, and it will appear as if the user did it.

Due to the presence of resourceful hackers, you must be careful in choosing your passwords. PW-Weak helps to detect weak passwords e.g. the password is equal to the user-ID or default group-ID or the ones supplied by using control cards (//PASSWORD DD \*).

## RACF password verification program DEB\$WEAK

Run the following JCL (refer to the RA2002.SAMPLIB member DEB\$WEAK) to extract the RACF passwords:

```
//STEP1 EXEC PGM=DEB$WEAK
//STEPLIB DD DISP=SHR,DSN=YOUR.RA2002.V3R6M0.LINKLIB <--- CHANGE
//RA2PRINT DD SYSOUT=*
//PASSWORD DD *                               <--- OPTIONAL
* PASSWORD LIST
+SYS1
+BMW
+AARON
+ABBIE
+ABBOTT
+ABBRA
ETC. . . .
//
```

Above program verifies for each extracted RACF user-ID, the user's password versus the name of the user-ID and group-ID. If a password list is present, by utilizing the //PASSWORD file, the program checks as well if one of the supplied passwords matches.

### Note

**Make sure others cannot view the generated output.**

## PASSWORD Filtering (//PASSWORD DD \*)

| Control card Col. 1 | Control card selection input Col. 2 to 9 | Description   |
|---------------------|--|---|
| *                   | Comment                                  | Comment line  |
| +                   | Password (max. 8 characters)             | Specifies the password to be verified.<br>The maximum number of user defined passwords is 50'000.<br><br>Note:<br>The password filter statements will not be printed. |

The password filter (//PASSWORD) is optional. If //PASSWORD DD \* is not present, the program verifies only the user-ID and the default group-ID.

**RA2002 - Batch tools**

• **Sample: //RA2PRINT report**

| 1DEB\$WEAK-10 RACF WEAK PASSWORD VERIFICATION SERVICES |                     |            |          |       |         |           |       |         |            | ALS (C) V3R6M0 04/03/99 19.53 RACF VERS 2060 |            | PAGE: 2<br>DATE: 1999/04/03 |  |
|--|---------------------|------------|----------|-------|---------|-----------|-------|---------|------------|--|------------|-----------------------------|--|
| USER-ID  | USER-NAME           | INST.-DATE | DEFGROUP | OWNER | SPECIAL | OPERATION | AUDIT | REVOKED | REVOKEDATE | LAST-LOGON                                   | WEAK-PASSW | REASON                      |  |
| WLM  | WORKLOAD MANAGER    | 1998-06-04 | @STC     | SYS1  | N       | N         | N     | N       |            | 1999-03-26                                   | SYS1       | DEFGROUP                    |  |
| XCFAS  | CROSS COMMUNICATION | 1998-06-04 | @STC     | SYS1  | N       | N         | N     | N       |            | 1999-03-26                                   | SYS1       | DEFGROUP                    |  |
| XRZP003  | EUGEN               | 1998-08-20 | XRZP001  | ALSCH | Y       | N         | N     | N       |            | 1999-04-03                                   | VOGT7      | PASSWORD                    |  |
| 0  | #####               | 1998-09-15 | XRZP003  | ALSCH | Y       | N         | N     | N       | 2012-12-12 | 1999-04-03                                   | ZEOS       | PASSWORD                    |  |

The report lists:

**User-ID**

**Programmers name**

**Inst. Date**

**Default group name**

**Owner**

**User-ID attributes**

**Last logon date and time**

**WEAK-PASSW**

**REASON**

- Date when the user profile was created
- RACF profile owner
- Special
- Operations
- Audit
- Revoked
- Revoke date if applicable
- Date and time a user logged on to the system. If this field is set to blank, the user never logged-on.
- Lists the weak password, which an installation should change. The password listed can be the user-ID, default group-ID or one found via the //PASSWORD file.
- There are three reason codes why the user-ID entry will be listed:
  1. DEFGROUP - the current password is the same as the default group name. Make sure the password for this entry gets changed or the user-ID attribute is set to REVOKE.
  2. USER-ID - the current password is the same as the user-ID name. Make sure the password for this entry gets changed.
  3. PASSWORD - the current password is the same as the password name supplied via the //PASSWORD file. Make sure the password for this entry gets changed.

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# DEB\$VG01 - GROUP-/USERID ACCESS STATISTICS

**Purpose:**

The need may arise to find out how many times RACF group- or user-IDs are defined in the dataset and/or general resource profiles. This allows a user to identify, if a defined RACF group- or user-ID is still defined in any of the RACF resources (e.g. access list, RESOWNER, STC Group etc.). The IRRDBU00 flat file (RACF offload tool from IBM) will be utilized to perform this task.

This program can be utilized as well to create access (PERMIT) lists if needed.

The program DEB\$VG01 creates overall statistics for the following items:

**Group-IDS**

**(how many times all or selected groups occur within a dataset and/or general resource profile)**

Following totals will be listed based on filter criterias:

- Owner in dataset profiles
- Owner in general resource profiles
- STC Group in general resource profiles
- Group-IDs in dataset profiles access list
- Group-IDs in general resource profiles access list
- Group-IDs in dataset profiles conditional access list
- Group-IDs in general resource profiles conditional access list
- Group-IDs in dataset DPF profiles (DFP RESOWNER)

**USER-IDS**

**(how many times all or selected users occur within a dataset and/or general resource profile)**

Following totals will be listed based on filter criterias:

- Owner in dataset profiles
- Owner in general resource profiles
- STC User in general resource profiles
- User-IDs in dataset profiles access list
- User-IDs in general resource profiles access list
- User-IDs in dataset profiles conditional access list
- User-IDs in general resource profiles conditional access list
- User-IDs in dataset DPF profiles (DFP RESOWNER)
- NOTIFY in dataset profiles
- NOTIFY in general resource profiles

**JCL required to run DEB\$VG01**

Run the following JCL (refer to the RA2002.SAMPLIB member DEB\$VG01) to list group- and/or user-ID statistics:

```
//DEB$VG01 EXEC PGM=DEB$VG01, PARM='ZERO, GROUP=**SYS**, USER=**XR**'
//STEPLIB DD DISP=SHR, DSN=YOUR.RA2002.LINKLIB
//*
//* SORTIN= OFFLOADED IRRDBU00 FLAT FILE(S)
//*
//SORTIN DD DISP=SHR, DSN=YOUR.IRRDBU.IRRI0100.VDATA
// DD DISP=SHR, DSN=YOUR.IRRDBU.IRRI0200.VDATA
// DD DISP=SHR, DSN=YOUR.IRRDBU.IRRI0400.VDATA
// DD DISP=SHR, DSN=YOUR.IRRDBU.IRRI0402.VDATA
// DD DISP=SHR, DSN=YOUR.IRRDBU.IRRI0404.VDATA
// DD DISP=SHR, DSN=YOUR.IRRDBU.IRRI0410.VDATA
// DD DISP=SHR, DSN=YOUR.IRRDBU.IRRI0500.VDATA
// DD DISP=SHR, DSN=YOUR.IRRDBU.IRRI0505.VDATA
// DD DISP=SHR, DSN=YOUR.IRRDBU.IRRI0507.VDATA
// DD DISP=SHR, DSN=YOUR.IRRDBU.IRRI0540.VDATA
//SYSOUT DD SYSOUT=*
//RA2USER DD SYSOUT=* STATISTICS
//RA2GROUP DD SYSOUT=* STATISTICS
//IRRDBU01 DD SYSOUT=* (USE DUMMY) BASE REPORTS
//IRRDBU02 DD SYSOUT=* (USE DUMMY) BASE REPORTS
//IRRDBU04 DD SYSOUT=* (USE DUMMY) BASE REPORTS
//IRRDBU05 DD SYSOUT=* (USE DUMMY) BASE REPORTS
//SYSUDUMP DD SYSOUT=*
//SORTCNTL DD *
//DEBUG NOABEND
//OPTION VLSHRT
//SORTPARM DD *
NORC16
//*
//SORTWK01 DD UNIT=SYSDA, SPACE=(CYL,(5,5))
//SORTWK02 DD UNIT=SYSDA, SPACE=(CYL,(5,5))
//SORTWK03 DD UNIT=SYSDA, SPACE=(CYL,(5,5))
//SORTWK04 DD UNIT=SYSDA, SPACE=(CYL,(5,5))
//*
```

**Filtering (PARM=pos1,Group=,user=)**

Filtering can be performed by utilizing a PARM= statement. If the PARM= is missing all group- and user-IDs will be selected.

| PARAM  | Value                              | Description  |
|--------|------------------------------------|--|
| POSI   | ZERO                               | List only Totals having a value of Zero. This allows you to identify group- or user-Ids not appearing as HLQ, OWNER, NOTIFY or in any permit list. |
|        | NONZERO                            | List only Totals having a value of NONZero   |
|        | BOTH                               | List all   |
| GROUP= | * = generic or a specific group-ID | This filter statement allows a user to select specific group-Ids (record type 0100 is used via //SORTIN)   |
| USER=  | * = generic or a specific user-ID  | This filter statement allows a user to select specific user-Ids (record type 0200 is used via //SORTIN)  |
|        |                                    |  |

**DEB\$VG01 - DDNAMES**

| DDNAME     | Description   |
|------------|---|
| //SORTIN   | Input file to the program. The SORTIN contains the IRRDBU00 records   |
| //RA2USER  | Statistics about all or selected user-Ids. If such statistics are not required set this output DDNAME to //RA2USER DD DUMMY   |
| //RA2GROUP | Statistics about all or selected group-Ids. If such statistics are not required set this output DDNAME to //RA2GROUP DD DUMMY |
| //IRRDBU01 | Lists all group-Ids found via the //SORTIN DD DSN=. If not required set this DDNAME to DUMMY.                                 |
| //IRRDBU02 | Lists all user-Ids found via the //SORTIN DD DSN=. If not required set this DDNAME to DUMMY.                                  |
| //IRRDBU04 | Lists all dataset profiles found via the //SORTIN DD DSN=. If not required set this DDNAME to DUMMY.                          |
| //IRRDBU05 | Lists all general resource profiles found via the //SORTIN DD DSN=. If not required set this DDNAME to DUMMY.                 |
| Other....  | All other DDNAMES pertain to the IBM or CA-SORT program.  |

## RA2002 - Batch tools

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The generated report (//RA2USER and/or //RA2GROUP) lists the following items:

**User-ID or Group-ID**

**Programmers name**

**SUP. GRP.**

**Authorization Date**

**Owner name**

**DSNHQL**

**DSNOWN**

**RESOWN**

**STCGRP**

**DSNACC**

**DSNCAC**

**RESACC**

**RESCAC**

**DFPOWN**

Superior group name

- Date when the profile was created

Total occurrence of the group- or user-ID as dataset high level qualifier

Total occurrence of the group- or user-ID as dataset owner

Total occurrence of the group- or user-ID as general resource owner

Total occurrence of the groupID as STC group name (record type 0540)

Total occurrence of the group- or user-ID as access element (permit list) in the dataset profiles

Total occurrence of the group- or user-ID as conditional access element (permit list) in the dataset profiles

Total occurrence of the group- or user-ID as access element (permit list) in the general resource profiles

Total occurrence of the group- or user-ID as conditional access element (permit list) in the general resource profiles

Total occurrence of the group- or user-ID as DFP RESOWNER in the dataset profiles (record type 0410)



# DEB\$XO10 - VERIFY ALL OWNER FIELDS

**Purpose:**

This batch program performs the verification of all owner fields in the record type 0100, 0200, 0300, 0400 and 0500. Note: RRE allows to control the ownership by using a rule based system.

**JCL required to run DEB\$XO10**

Run the following JCL (refer to the RA2002.SAMPLIB member DEB\$XO01) to list all profiles and invalid owner fields:

```
//VFYOWNER EXEC PGM=DEB$XO10
//*
/** THIS PROGRAM TERMINATES WITH A RETURN CODE=4 IN CASE
/** AN OWNER/NOTIFY COULD NOT BE RESOLVED
/**
//STEPLIB DD DISP=SHR,DSN=RA2002.V3R6M0.LINKLIB
/**
/** INPUT FILES TO VERIFY OWNER (IRRDBU00 FLAT FILES)
/**
//IRRI0100 DD DISP=SHR,DSN=????????.IRRDBU.IRRI0100.VB(0)
//IRRI0200 DD DISP=SHR,DSN=????????.IRRDBU.IRRI0200.VB(0)
//IRRI0205 DD DISP=SHR,DSN=????????.IRRDBU.IRRI0205.VB(0)
//IRRI0400 DD DISP=SHR,DSN=????????.IRRDBU.IRRI0400.VB(0)
//IRRI0500 DD DISP=SHR,DSN=????????.IRRDBU.IRRI0500.VB(0)
/**
/** PRINT FILES - ALL RECORDS WILL BE PRINTED
/**
//OWNR0100 DD SYSOUT=* GROUP RECORD AS IS OR SET TO DUMMY
//OWNR0200 DD SYSOUT=* USER RECORD AS IS OR SET TO DUMMY
//OWNR0205 DD SYSOUT=* CONNECT RECORD AS IS OR SET TO DUMMY
//OWNR0400 DD SYSOUT=* DATASET RECORD AS IS OR SET TO DUMMY
//OWNR0500 DD SYSOUT=* GEN.RES RECORD AS IS OR SET TO DUMMY
/**
/** PRINT FILES - LISTS ALL RECORDS WHERE OWNER/NOTIFY FAILED
/**
//ERRM0100 DD SYSOUT=* GROUP ERROR IF OWNERID WAS MISSING
//ERRM0200 DD SYSOUT=* USER ERROR IF OWNERID WAS MISSING
//ERRM0205 DD SYSOUT=* CONNECT ERROR IF OWNERID WAS MISSING
//ERRM0400 DD SYSOUT=* DATASET ERROR IF OWNERID WAS MISSING
//ERRM0500 DD SYSOUT=* GEN.RES ERROR IF OWNERID WAS MISSING
//
//
```

If a owner field is invalid the program will terminate with a return code of 4. If all fields are valid a return code of 0 will be returned.

**DEB\$XO10 - DDNAMES**

| DDNAME     | Description  |
|------------|--|
| //IRRI0100 | Input records containing groupid records. You can specify as well a single offloaded file containing all records created by PGM=IRRDBU00.          |
| //IRRI0200 | Input records containing userid records. You can specify as well a single offloaded file containing all records created by PGM=IRRDBU00.           |
| //IRRI0300 | Input records contain'ng connect records. You can specify as well a single offloaded file containing all records created by PGM=IRRDBU00.          |
| //IRRI0400 | Input records containing dataset records. You can specify as well a single offloaded file containing all records created by PGM=IRRDBU00.          |
| //IRRI0500 | Input records containing general resource records. You can specify as well a single offloaded file containing all records created by PGM=IRRDBU00. |
| //OWNR0100 | Lists all groupid records 'asis'.  |
| //OWNR0200 | Lists all userid records 'asis'.   |
| //OWNR0300 | Lists all connect records 'asis'.  |
| //OWNR0400 | Lists all dataset records 'asis'.  |
| //OWNR0500 | Lists all general resource records 'asis'.   |
| //ERRM0100 | Lists all groupid records where the owner is invalid.  |
| //ERRM0200 | Lists all userid records where the owner is invalid.   |
| //ERRM0300 | Lists all connect records where the owner is invalid.  |
| //ERRM0400 | Lists all dataset records where the owner is invalid.  |
| //ERRM0500 | Lists all general resource records where the owner is invalid.   |

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#### Output field names for userid profiles:

|   |                              |
|---|------------------------------|
| P | Protected – set to P or N    |
| S | Special – set to Y or N      |
| O | Operations – set to Y or N   |
| R | Revoked – set to Y or N      |
| G | Group access – set to Y or N |

#### Output field names for connect profiles:

|   |                            |
|---|----------------------------|
| S | Special – set to Y or N    |
| O | Operations – set to Y or N |
| R | Revoked – set to Y or N    |

#### Output field names for dataset profiles:

|   |   |
|---|---|
| U | UACC – N=NONE, R=READ, U=UPDATE, A=ALTER, E=EXECUTE |
| T | Profile type – G=Generic, D=Discrete                |
| W | Warning mode – set to Y or N                        |
| E | Erase on scratch – set to Y or N                    |

#### Output field names for general resource profiles:

|            |   |
|------------|---|
| U          | UACC – N=NONE, R=READ, U=UPDATE, A=ALTER, E=EXECUTE?    |
| T          | Profile type – G=Generic, D=Discrete                    |
| W          | Warning mode – set to Y or N                            |
| A (first)  | Audit attributes - A = audit level set to Y or N        |
| S (first)  | Audit attributes - S = success set to Y or N            |
| F (first)  | Audit attributes - F= failures set to Y or N            |
| A (second) | Global audit attributes - A = audit level set to Y or N |
| S (second) | Global audit attributes - S = success set to Y or N     |
| F (second) | Global audit attributes - F= failures set to Y or N     |

#### Output Samples:

//ERRM0100 groupid records:

```
DEB$XO21-10 RACF IRRDBU00 TYPE 0100 BAD OWNER          V3R6M0 RACFRA2.COM(C) 11/01/09 RACF VERS2608          PAGE: 1
                                                    DATE:2009-11-02
JOBNAME :XRZP001X STEPNAME:TSTOWNER PROCNAME:          TIME: 20:08:04

GROUPID  SUPGROUP  AUTHDATE  OWNER   UACC    INSTALLATION DATA
-----
$        SYS1      2001-11-09  NROMAS  NONE    AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
$$DB2ADM $$FUNC   2001-04-10  $$FUNC  NONE    DB2 ADMIN
```

//ERRM0200 userid records:

```
DEB$XO22-10 RACF IRRDBU00 TYPE 0200 BAD OWNER          V3R6M0 RACFRA2.COM(C) 11/01/09 RACF VERS2608          PAGE: 1
                                                    DATE:2009-11-02
JOBNAME :XRZP001X STEPNAME:TSTOWNER PROCNAME:          TIME: 20:08:04

USERID   USER NAME      AUTHDATE  OWNER   P  S  O  R  G  ATTR  DFLTGRP.  LAST-LOGON  TIME  INSTALLATION DATA
-----
A        #####          2001-10-17  badown  P  Y  N  N  N          SYS1       2005-05-22  16:19:05  1234
```

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//ERRM0205 connect records:

```
DEB$XO23-10 RACF IRRDBU00 TYPE 0205 BAD OWNER          V3R6M0 RACFRA2.COM(C) 11/01/09 RACF VERS2608          PAGE:          1
                                                    DATE:2009-11-02
JOBNAME :XRZP001X STEPNAME:TSTOWNER PROCNAME:          TIME: 20:08:04
USERID  GROUP-ID AUTHDATE  OWNER    S O R CON.-DATE  TIME
-----
A      $$$TEST 2005-05-22 XRZP001  N N N
```

//ERRM0400 dataset records:

```
DEB$XO24-10 RACF IRRDBU00 TYPE 0400 BAD OWNER/NOTIFY    V3R6M0 RACFRA2.COM(C) 11/01/09 RACF VERS2608          PAGE:          1
                                                    DATE:2009-11-02
JOBNAME :XRZP001X STEPNAME:TSTOWNER PROCNAME:          TIME: 20:08:04
DATASET NAME          U T W E AUTHDATE  OWNER    NOTIFY  A S F A S F INSTDATA
-----
A.*                   N G N N 2003-06-27 A      BADNOTXX F  R N
```

//ERRM0500 general resource records:

```
DEB$XO15-10 RACF IRRDBU00 TYPE 0500 BAD OWNER/NOTIFY    V3R6M0 RACFRA2.COM(C) 11/01/09 RACF VERS2608          PAGE:          1
                                                    DATE:2009-11-02
JOBNAME :XRZP001X STEPNAME:TSTOWNER PROCNAME:          TIME: 20:08:04
CLASS  GENERAL RESOURCE NAME          U T W AUTHDATE  OWNER    NOTIFY  A S F A S F INSTDATA
-----
NODES  &RACF.**          N G N 2001-07-22 XRZP001          F  R N
```

# DEB\$XU10 - LIST USER-ID INFORMATION

**Purpose:**

For auditing purposes the following reports are available:

- List all user-ids 'as is'
- List only user-ids marked as protected
- List only user-ids marked as revoked
- List only user-ids marked as operations and special
- List only user-ids which were never used (logon date empty)
- List only user-ids marked as special, operations, auditor and uaudit
- List only user-ids marked as non-expiring

**JCL required to run DEB\$XU10**

Run the following JCL (refer to the RA2002.SAMPLIB member DEB\$XU10) to create the user-id reports:

```
//LISTUSER EXEC PGM=DEB$XU10
//*
//* LIST ALL USER RECORDS AS IS PLUS ONE REPORT FOR:
//* - REVOKED USERIDS
//* - PROTECTED USERIDS
//* - NEVER USED USERIDS (LOGON DATE EMPTY)
//* - USERIDS HAVING SPECIAL AND OR OPERATIONS ATTRIBUTE
//* - USERIDS HAVING SPECIAL, OPERATIONS, AUDITOR AND UAUDIT ATTR.
//*
//STEPLIB DD DISP=SHR, DSN=RA2002.V3R6M0.LINKLIB
//*
//* INPUT FILES (ONLY TYPE 0200 RECORDS WILL BE PROCESSED)
//*
//IRRI0200 DD DISP=SHR, DSN=?????????.IRRDBU00 FLAT FILE
//*
//I0200USR DD SYSOUT=* ALL USERIDS FROM IRRI0200 AS IS
//I0200REV DD SYSOUT=* REVOKED USERIDS
//I0200PRO DD SYSOUT=* PROTECTED USERIDS
//I0200OPR DD SYSOUT=* USERIDS HAVING SPECIAL AND/OR OPERATIONS
//I0200NEV DD SYSOUT=* USERIDS NEVER USED
//I0200GLB DD SYSOUT=* USERIDS SPEC/OPER/AUDIT/UAUDIT
//I0200PWI DD SYSOUT=* NON-EXPIRING USERIDS (NO PASSWORD INTV.)
//
```

**DEB\$XU10 - DDNAMES**

| DDNAME     | Description  |
|------------|--|
| //IRRI0200 | Input records containing userid records. You can specify as well a single offloaded file containing all records created by PGM=IRRDBU00.       |
| //I0200USR | Lists all userid records 'asis'.   |
| //I0200REV | Lists only user-ids having the attribute 'revoked'.  |
| //I0200PRO | Lists only user-ids having the attribute 'protected'.  |
| //I0200OPR | Lists only user-ids having the attribute 'operations and/or special'.  |
| //I0200NEV | Lists only user-ids having never logged on.  |
| //I0200GLB | Lists only user-ids having the attribute 'operations, special, auditor or uaudit'. If one of these attributes is set to 'Y' it will be listed. |
| //I0200PWI | Lists only user-ids having the password interval set to zero. NON-EXPIRING PASSWORDS   |

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**Output field names for userid profiles:**

|   |                              |
|---|------------------------------|
| P | Protected – set to P or N    |
| S | Special – set to Y or N      |
| O | Operations – set to Y or N   |
| R | Revoked – set to Y or N      |
| G | Group access – set to Y or N |

**Output Samples:**

//I0200PWI groupid records:

|   |                     |  |         |                 |  |
|---|---------------------|--|---------|-----------------|--|
| DEB\$XU35-10 NON-EXPIRING PASSWORDS           |                     | V3R6M0 RACFRA2.COM(C) 11/01/09 RACF VERS2608 |         | PAGE: 1         |  |
| JOBNAME :XRZP001X STEPNAME:LISTUSER PROCNAME: |                     |  |         | DATE:2009-11-01 |  |
|   |                     |  |         | TIME: 16:32:27  |  |
| USERID  | USER NAME           | DFLTGRP.                                     | OWNER   | AUTHDATE        | P S O R G A U ATTR PWI LAST-LOGON TIME INSTALLATION DATA |
| -----   |                     |  |         |                 |  |
| \$ALDRTZG                                     | SCHNITTSTELLEN USER | XXXTEC01                                     | OWNAALG | 2001-09-04      | N N N N Y N N 000 2008-06-11 00:00 JDBC-ZUGRIFF          |

# DEB\$XV10 - VERIFY MASTER CATALOG VS RACF

**Purpose:**

For auditing purposes the following reports are available:

- o List catalog entries which have no RACF group- or userID or a dataset profile.

**JCL required to run DEB\$XV10**

Run the following JCL (refer to the RA2002.SAMPLIB member DEB\$XV10) to create the report:

```
//CATVRACF EXEC PGM=DEB$XV10
//STEPLIB DD DISP=SHR, DSN=RA2002.LINKLIB
//RA2PRINT DD SYSOUT=*
//
```

**DEB\$XV10 - DDNAMES**

| DDNAME     | Description            |
|------------|------------------------|
| //RA2PRINT | Lists failing entries. |

**DEB\$XV10 - Parameters**

| PARAM=   | Description  |
|----------|--|
| CATALOG= | Blank: Default is master catalog to be searched by using the default level of `***`.   |
| LEVEL=   | <p>`***`: Default is all catalog entries will be retrieved and tested if a RACF group- or userID exists or a RACF dataset profile exists.</p> <p>Note: LEVEL= is a generic filter key is a character string that describes the catalog entry names for which you want information returned. The generic filter key can contain the following symbols and are interpreted as follows:</p> <p><b>*</b><br/>A single asterisk by itself indicates that either a qualifier or one or more characters within a qualifier can occupy that position. An asterisk can precede or follow a set of characters.</p> <p><b>**</b><br/>A double asterisk indicates that zero or more qualifiers can occupy that position. A double asterisk cannot precede or follow any characters; it must be preceded or followed by either a period or a blank.</p> <p><b>%</b><br/>A single percent sign by itself indicates that exactly one alphanumeric or national character can occupy that position.</p> <p><b>%%o...</b><br/>One to eight percent signs can be specified in each qualifier.</p> <p>If an absolute GDS name is specified followed by a period and one of the previous symbols, the GDS name (if it exists) will not be returned from the search. However, it is possible that longer data set names that start with the same prefix as the absolute GDS name will be found.</p> <p><b>MYFILE.DATA.SET%</b><br/>will return entry names:<br/>MYFILE.DATA.SET1<br/>MYFILE.DATA.SET2<br/>will not return:<br/>MYFILE.DATA.SET30</p> <p><b>MYFILE.DATA.SET%%</b><br/>will return entry names:<br/>MYFILE.DATA.SET30<br/>MYFILE.DATA.SET31<br/>will not return:<br/>MYFILE.DATA.SET1<br/>MYFILE.DATA.SET2</p> <p><b>MYFILE.*.SET</b><br/>will return entry names:</p> |

| PARM= | Description  |
|-------|--|
|       | <p>MYFILE.DATA1.SET<br/>MYFILE.DATA2.SET<br/>will not return:<br/>MYFILE.DATA.SET.KSDS</p> <p><b>MYFILE.*A</b><br/>will return entry names:<br/>MYFILE.A<br/>MYFILE.BA<br/>MYFILE.BBA<br/>will not return:<br/>MYFILE.B<br/>MYFILE.AB</p> <p><b>MYFILE.DATA.*</b><br/>will return entry names:<br/>MYFILE.DATA.SET1<br/>MYFILE.DATA.SET2<br/>will not return:<br/>MYFILE.DATA.SET.KSDS</p> <p><b>MYFILE.DATA*</b><br/>will return entry names:<br/>MYFILE.DATA1<br/>MYFILE.DATA23<br/>will not return:<br/>MYFILE.DATA.SET</p> <p><b>MYFILE.**</b><br/>will return entry names:<br/>MYFILE<br/>MYFILE.DATA.SET1<br/>MYFILE.DATA.SET2<br/>MYFILE.DATA.SET.KSDS<br/>will not return:<br/>MYFILE1.DATA.SET</p> <p><b>MYFILE.DATA.SET</b><br/>will return entry name:<br/>MYFILE.DATA.SET only</p> <p><b>** .DATA</b><br/>will return entry names whose low level qualifier is DATA:<br/>MYFILE.DATA<br/>NOTMYFILE.WORK.DATA</p> <p><b>**</b><br/>will return every entry name in a catalog.</p> |

## DEB\$XV20 - VERIFY RACF DATASET PROFILES VS MASTER CATALOG

### Purpose:

For auditing purposes the following reports are available:

- o List RACF dataset entries, which have catalog entries. The search is performed against the master catalog by default.

### JCL required to run DEB\$XV20

Run the following JCL (refer to the RA2002.SAMPLIB member DEB\$XV20) to create the report:

```
//RACFVCAT EXEC PGM=DEB$XV20
//STEPLIB DD DISP=SHR,DSN=RA2002.LINKLIB
//RA2PRINT DD SYSOUT=*
//
```

### DEB\$XV20 - DDNAMES

| DDNAME     | Description            |
|------------|------------------------|
| //RA2PRINT | Lists failing entries. |

**DEBSXV20 - Parameters**

| PARAM=   | Description   |
|----------|---|
| CATALOG= | Blank: Default is the master catalog and its user catalogs to be searched. You should not specify a catalog name to limit the search. |

## DEB\$XV30 - LIST CATALOG ENTRIES

**Purpose:**

List all or selected catalog entries:

- o For each dataset entry the protecting RACF profile will be listed
- o Alias names will be verified if a RACF group-ID or user-ID exists

**JCL required to run DEB\$XV30**

Run the following JCL (refer to the RA2002.SAMPLIB member DEB\$XV30) to create the report:

```
//LISTCAT EXEC PGM=DEB$XV30
//STEPLIB DD DISP=SHR,DSN=RA2002.LINKLIB
//RA2PRINT DD SYSOUT=*
//
```

**DEBSXV30 - DDNAMES**

| DDNAME     | Description            |
|------------|------------------------|
| //RA2PRINT | Lists failing entries. |

**DEBSXV30 - Parameters**

| PARAM=   | Description  |
|----------|--|
| CATALOG= | Blank: Default is master catalog to be searched.   |
| LEVEL=   | <p>'*'*': Default is all catalog entries will be retrieved and tested if a RACF group-ID or user-ID exists or a RACF dataset profile exists.</p> <p>Note: LEVEL= is a generic filter key is a character string that describes the catalog entry names for which you want information returned. The generic filter key can contain the following symbols and are interpreted as follows.</p> <p>Refer to DEB\$XV10 above for more details about LEVEL=.</p> |



# DEB\$XV40 - DATASET - ACCESS/COND.ACCESS STATISTICS

**Purpose:**

List statistics about the standard access and conditional access list. The user can easily identify which RACF profiles have an empty access list.

**JCL required to run DEB\$XV40**

Run the following JCL (refer to the RA2002.SAMPLIB member DEB\$XV40) to create the report:

```
//EMPTYPRO EXEC PGM=DEB$XV40, PARM='EMPTY=YES'
//STEPLIB DD DISP=SHR, DSN=RA2002.LINKLIB
//RA2PRINT DD SYSOUT=*
//
```

**DEB\$XV40 - DDNAMES**

| DDNAME     | Description                        |
|------------|------------------------------------|
| //RA2PRINT | Lists all or just failing entries. |

**DEB\$XV40 - Parameters**

| PARAM= | Description   |
|--------|---|
| EMPTY= | Default Blank: All RACF dataset profiles will be listed.<br>YES - only profiles having an empty access list incl. Conditional access will be listed |

# DEB\$XV41 - DATASET - ACCESS/COND.ACCESS DETAILS

**Purpose:**

List details (permit list) about the standard access and conditional access list. Redundant access (where the UACC=ACCESS) will be marked in the column 'ACCESS' with a '?' e.g. ?READ

**JCL required to run DEB\$XV41**

Run the following JCL (refer to the RA2002.SAMPLIB member DEB\$XV41) to create the report:

```
//LISTDACC EXEC PGM=DEB$XV41, PARM='ID=IBM*'
//STEPLIB DD DISP=SHR, DSN=RA2002.LINKLIB
//RA2PRINT DD SYSOUT=*
//
```

**DEB\$XV41 - DDNAMES**

| DDNAME     | Description  |
|------------|--|
| //RA2PRINT | Lists all or selected entries based on the supplied PARM= statement. |
| //RA2ADDAC | Optional - Create PERMIT commands. DCB=(RECFM=FB,LRECL=80)           |
| //RA2DELAC | Optional - Create PERMIT DELETE commands. DCB=(RECFM=FB,LRECL=80)    |

**DEB\$XV41 - Parameters**

| PARAM=    | Description   |
|-----------|---|
| EMPTY=    | Optional - Default Blank. If set to 'YES' - print all empty access lists as well.   |
| ID=       | Optional - Default Blank. Limit the output to specific ID names (group- or user-ID). Generic search is supported. Max. length is 8. |
| INSTDATA= | Optional - Default Blank. If set to 'YES' - print in addition the installation data.  |

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| PARM=  | Description  |
|--------|--|
| OWNER= | Optional - Default Blank. Limit the output to specific OWNER names (group- or user-ID). Generic search is supported. Max. length is 8. |
| RESN=  | Optional - Default Blank. Limit the output to specific profile names. Generic search is supported. Max. length is 44.                  |

### DEBSXV41 - Output fields //RA2PRINT

| PARM=     | Description   |
|-----------|---|
| T (TYPE)  | Dataset profile types<br>M = Model<br>V = VSAM<br>G = Generic<br>D = Discrete |
| STD-IDS   | Standard access element - group- or user-id                                   |
| COND-IDS  | Conditional access element - group- or user-id                                |
| CONDNAME  | Can be a e.g. a program-, sysid-, terminal name                               |
| CONDCLASS | Can be e.g. PROGRAM, APPCPORT, SYSID, TERMINAL                                |

## DEB\$XV50 - GENERAL RESOURCE - ACCESS/COND.ACCESS STATISTICS

### Purpose:

List statistics about the standard access and conditional access list. The user can easily identify which RACF profiles have an empty access list.

### JCL required to run DEB\$XV50

Run the following JCL (refer to the RA2002.SAMPLIB member DEB\$XV50) to create the report:

```
//EMPTYPRO EXEC PGM=DEB$XV50, PARM='EMPTY=YES'  
//STEPLIB DD DISP=SHR, DSN=RA2002.LINKLIB  
//RA2PRINT DD SYSOUT=*  
//
```

### DEB\$XV50 - DDNAMES

| DDNAME     | Description                        |
|------------|------------------------------------|
| //RA2PRINT | Lists all or only failing entries. |

### DEB\$XV50 - Parameters

| PARM=  | Description   |
|--------|---|
| EMPTY= | Default Blank: All RACF general resource profiles will be listed.<br>YES - only profiles having an empty access list incl. Conditional access will be listed                |
| CLASS= | Default Blank: All RACF classes of the general resource profiles will be listed.<br>e.g. CLASS=FACILITY - only the specified general resource RACF class will be processed. |

## DEB\$XV51 - GEN. RESOURCE - ACCESS/COND.ACCESS DETAILS

**Purpose:**

List details (permit list) about the standard access and conditional access list. Redundant access (where the UACC=ACCESS) will be marked in the column 'ACCESS' with a '?' e.g. ?READ

**JCL required to run DEB\$XV51**

Run the following JCL (refer to the RA2002.SAMPLIB member DEB\$XV51) to create the report:

```
//LISTDACC EXEC PGM=DEB$XV51, PARM='ID=IBM*'
//STEPLIB DD DISP=SHR, DSN=RA2002.LINKLIB
//RA2PRINT DD SYSOUT=*
//
```

**DEB\$XV51 - DDNAMES**

| DDNAME     | Description  |
|------------|--|
| //RA2PRINT | Lists all or selected entries based on the supplied PARM= statement. |
| //RA2ADDAC | Optional - Create PERMIT commands. DCB=(RECFM=FB,LRECL=80)           |
| //RA2DELAC | Optional - Create PERMIT DELETE commands. DCB=(RECFM=FB,LRECL=80)    |

**DEB\$XV51 - Parameters**

| PARAM=    | Description   |
|-----------|---|
| CLASS=    | Optional - Default Blank. Limit the output to specific class names e.g. FAC* or FACILITY. Generic search is supported. Max. length is 8.                          |
| EMPTY=    | Optional - Default Blank. If set to 'YES' - print all empty access lists as well.   |
| ID=       | Optional - Default Blank. Limit the output to specific ID names (group- or user-ID). Generic search is supported. Max. length is 8.                               |
| INSTDATA= | Optional - Default Blank. If set to 'YES' - print in addition the installation data.  |
| OWNER=    | Optional - Default Blank. Limit the output to specific OWNER names (group- or user-ID). Generic search is supported. Max. length is 8.                            |
| RESN=     | Optional - Default Blank. Limit the output to specific profile names. Generic search is supported. Max. length is 44 though a resource name can be 246 in length. |

**DEB\$XV51 - Output fields //RA2PRINT**

| PARAM=    | Description  |
|-----------|--|
| T (TYPE)  | General resource profile types<br>M = Model<br>G = Generic<br>D = Discrete |
| STD-IDS   | Standard access element - group- or user-id                                |
| COND-IDS  | Conditional access element - group- or user-id                             |
| CONDNAME  | Can be a e.g. a program-, sysid-, terminal name                            |
| CONDCLASS | Can be e.g. PROGRAM, APPCPORT, SYSID, TERMINAL                             |

## DEB\$ID10 - ACCESS ID(\*) AND ACC. NOT NONE

**Purpose:**

List all profiles having an access ID of "\*" and the access is other than "NONE". Identifies profiles that allow any RACF-authenticated user to access data.

---

## JCL required to run DEB\$ID10

Run the following JCL (refer to the RA2002.SAMPLIB member DEB\$ID10) to create the report:

```
//LISTIDS1 EXEC PGM=DEB$ID10
//STEPLIB DD DISP=SHR,DSN=RA2002.LINKLIB
//*
//* LIST ENTRIES WITH ID(*) AND NOT HAVING ACCESS = NONE
//*
//IRRI0402 DD DISP=SHR,DSN=YOUR.IRRDBU.IRRI0402.VB(0)
//IRRI0404 DD DISP=SHR,DSN=YOUR.IRRDBU.IRRI0404.VB(0)
//IRRI0505 DD DISP=SHR,DSN=YOUR.IRRDBU.IRRI0505.VB(0)
//IRRI0507 DD DISP=SHR,DSN=YOUR.IRRDBU.IRRI0507.VB(0)
//*
//LIST0402 DD SYSOUT=*
//LIST0404 DD SYSOUT=*
//LIST0505 DD SYSOUT=*
//LIST0507 DD SYSOUT=*
//*
```

---

## DEB\$ID20 - DISCRETE DS PROFILES

### Purpose:

Find all of the discrete data set profiles which have IDs on the standard access list with ALTER. These IDs have the ability to change the access list on the profile.

---

## JCL required to run DEB\$ID20

Run the following JCL (refer to the RA2002.SAMPLIB member DEB\$ID20) to create the report:

```
//LISTIDS1 EXEC PGM=DEB$ID20
//STEPLIB DD DISP=SHR,DSN=RA2002.LINKLIB
//*****
//* FIND ALL OF THE DISCRETE DATA SET PROFILES WHICH HAVE IDS ON *
//* THE STANDARD ACCESS LIST WITH ALTER. THESE IDS HAVE THE ABILITY *
//* TO CHANGE THE ACCESS LIST ON THE PROFILE. *
//*****
//IRRI0404 DD DISP=SHR,DSN=YOUR.IRRDBU.IRRI0404.VB(0)
//*
//LIST0404 DD SYSOUT=*
//*
```

---

## DEB\$ID30 - DISCRETE DS PROFILES

### Purpose:

- Find all of the DATASET resource profiles which are in WARNING mode.
- Find all of the general resource profiles which are in WARNING mode.

---

## JCL required to run DEB\$ID30

Run the following JCL (refer to the RA2002.SAMPLIB member DEB\$ID30) to create the report:

```
//LISTWARN EXEC PGM=DEB$ID20
//STEPLIB DD DISP=SHR,DSN=RA2002.LINKLIB
//*****
//*
//* FIND ALL OF THE DATASET RESOURCE PROFILES WHICH ARE IN WARNING *
//* MODE. *
//*
//* FIND ALL OF THE GENERAL RESOURCE PROFILES WHICH ARE IN WARNING *
//* MODE. *
//*****
//IRRI0400 DD DISP=SHR,DSN=YOUR.IRRDBU.IRRI0400.VB(0)
//IRRI0500 DD DISP=SHR,DSN=YOUR.IRRDBU.IRRI0500.VB(0)
//*
//LIST0400 DD SYSOUT=*
//LIST0500 DD SYSOUT=*
//*
```

---

## DEB\$ID40 - PROFILES HAVING A NOTIFY

**Purpose:**

List all profiles which have a NOTIFY defined

---

## JCL required to run DEB\$ID40

Run the following JCL (refer to the RA2002.SAMPLIB member DEB\$ID40) to create the report:

```
//LISTNOTI EXEC PGM=DEB$ID40
//STEPLIB DD DISP=SHR,DSN=RA2002.LINKLIB
//*****
//*
//* FIND ALL DEFINED NOTIFIES *
//*****
//IRRI0400 DD DISP=SHR,DSN=YOUR.IRRDBU.IRRI0400.VB(0)
//IRRI0500 DD DISP=SHR,DSN=YOUR.IRRDBU.IRRI0500.VB(0)
//*
//LIST0400 DD SYSOUT=*
//LIST0500 DD SYSOUT=*
//*
```

---

## DEB\$ID50 - EXTRAORDINARY PRIVILEGES

**Purpose:**

Find all of the user IDs which have extraordinary RACF privileges such as SPECIAL, OPERATIONS, and AUDITOR at the group level.

**JCL required to run DEB\$ID50**

Run the following JCL (refer to the RA2002.SAMPLIB member DEB\$ID50) to create the report:

```
//LISTATTR EXEC PGM=DEB$ID50
//STEPLIB DD DISP=SHR,DSN=RA2002.LINKLIB
//*****
//*
//* FIND ALL OF THE USER IDS WHICH HAVE EXTRAORDINARY RACF PRIVILEGES*
//* SUCH AS SPECIAL, OPERATIONS, AND AUDITOR AT THE GROUP LEVEL. *
//*****
//IRRI0102 DD DISP=SHR,DSN=YOUR.RACF.IRRDBU00
//IRRI0205 DD DISP=SHR,DSN=YOUR.RACF.IRRDBU00
//*
//LIST0102 DD SYSOUT=*
//LIST0205 DD SYSOUT=*
//*
```

**DEB\$ID60 - PROFILES – UACC NOT EQ “NONE”**

**Purpose:**

Find all profiles where the UACC is not NONE.

**JCL required to run DEB\$ID60**

Run the following JCL (refer to the RA2002.SAMPLIB member DEB\$ID60) to create the report:

```
//LISTUACC EXEC PGM=DEB$ID60
//STEPLIB DD DISP=SHR,DSN=RA2002.LINKLIB
//*****
//*
//* FIND ALL PROFILES WHERE THE UACC IS NOT NONE *
//*****
//IRRI0400 DD DISP=SHR,DSN=XRZP001.IRRDBU.IRRI0400.VB(0)
//IRRI0500 DD DISP=SHR,DSN=XRZP001.IRRDBU.IRRI0500.VB(0)
//*
//LIST0400 DD SYSOUT=*
//LIST0500 DD SYSOUT=*
//*
```

**DEB\$ID70 - PROFILES - GENERIC CHARACTERS**

**Purpose:**

Find the discrete generic resource profiles which have generic characters in their name.

**JCL required to run DEB\$ID70**

Run the following JCL (refer to the RA2002.SAMPLIB member DEB\$ID70) to create the report:

```
//LISTNOTI EXEC PGM=DEB$ID70
//STEPLIB DD DISP=SHR,DSN=RA2002.LINKLIB
//*****
//* FIND THE DISCRETE GENERIC RESOURCE PROFILES WHICH HAVE *
//* GENERIC CHARACTERS IN THEIR NAME. *
//*****
//IRRI0500 DD DISP=SHR,DSN=YOUR.IRRDBU.IRRI0500.VB(0)
//*
//LIST0500 DD SYSOUT=*
//*
```

---

# DEB\$ID80 - RRSF ASSOCIATIONS DEFINED

**Purpose:**

Find all users who have RRSF associations defined.

---

**JCL required to run DEB\$ID80**

Run the following JCL (refer to the RA2002.SAMPLIB member DEB\$ID80) to create the report:

```
//LISTRSSF EXEC PGM=DEB$ID80
//STEPLIB DD DISP=SHR,DSN=RA2002.LINKLIB
//*****
//*
//* FIND ALL USERS WHO HAVE RRSF ASSOCIATIONS DEFINED.
//*****
//IRRI0206 DD DISP=SHR,DSN=YOUR.RACF.IRRDBU00
//*
//LIST0206 DD SYSOUT=*
//*
/*
```