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# *As Cool as ICE!*

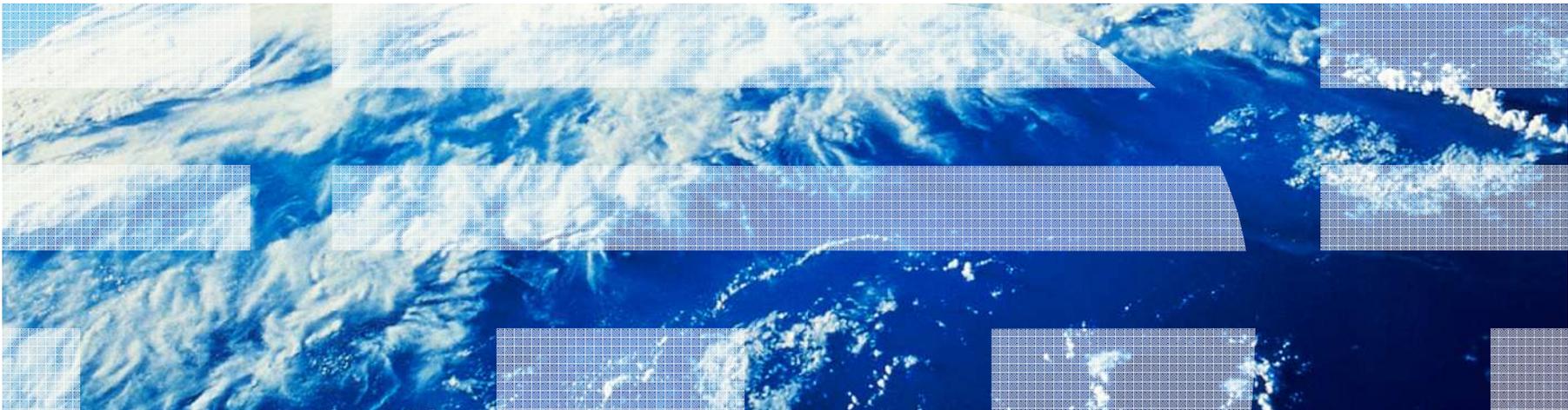
## *Lab Instructions*

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SHARE Session 8256

z/OS Security Server (RACF) Design and Development. IBM Poughkeepsie

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## Background

- **The “As Cool As ICE” lab demonstrates:**
  - How to unpack the RACFICE package
  - How to execute all of the RACF reports
  - How to write your own Report
- **Each of you has a user ID of the form SHARBnn**
  - “nn” is a number that I’ve assigned to your workstation
  - All user IDs have the same password (“firstpw”)
- **You will be using read-only SMF Unload and RACF Database Unload Utility output**
  - Note: NOT REAL WORLD!
- **This is a guided tour... please let your tour guide (me) know if you are having any problems.**

## Step 1: LOGON

- You should be sitting at a IBM Personal Communications Manager (PCOMM) session that looks like this:

```
Enter Your Userid:
Password:
Application: tso
Application Required. No Installation Default
```

- When prompted, enter your user ID (SHARBnn)

## Step 1: LOGON...

- Next, you'll see the traditional TSO/E logon panel. Enter your password.

```

----- TSO/E LOGON -----

Enter LOGON parameters below:                                RACF LOGON parameters:

Userid    ==> SHARB09                                       New Password ==>
Password  ==> firstpw                                       Group Ident  ==>
Procedure ==> SHARE
Acct Nbr  ==> SHR
Size      ==>
Perform   ==>
Command   ==> ISPF

Enter an 'S' before each option desired below:
      -Nomail          -Nonotice      S -Reconnect          -OIDcard

PF1/PF13 ==> Help    PF3/PF15 ==> Logoff    PA1 ==> Attention    PA2 ==> Reshow
You may request specific help information by entering a '?' in any entry field
  
```

## Step 2: Getting into your Data Set

- Next, you'll see the ISPF LOGON Panel. Enter option 3.4

```

----- SHARE ISPF 6.1 SCROLLABLE PRIMARY OPTION MENU ----- S1
OPTION ==> 3.4

D Alternate Dialog ==> CMD(%????)
D2 Alternate Dialog ==> PANEL(????)

More:
The time is 5:53 p.m. on Friday, February 25, 2011 (2011.056)
Your uid is SHARB09 dsn prefix is SHARB09 proc is SHARE sys is S1

0 SETTINGS - Specify ISPF parameters
1 VIEW - View source data or output listing
1P VIEW-OE - View/Browse files in the Open Edition file system
2 EDIT - Create or change source data
2P EDIT-OE - Edit files in the Open Edition file system
3 UTILITIES - Perform utility functions
3P ISHELL-OE - Open Edition ISPF shell
4 FOREGROUND - Invoke language processors in foreground
5 BATCH - Submit job for language processing
6 COMMAND - Enter TSO command, CLIST, or REXX exec
7 DIALOG TEST - Perform dialog testing
8 LM UTILITIES - Perform library administrator utility functions
9 IBM PRODUCTS - Additional IBM program development products
F1=HELP F2=SPLIT F3=END F4=RETURN F5=RFIND F6=RCHANGE
F7=UP F8=DOWN F9=SWAP F10=LEFT F11=RIGHT F12=RETRIEVE
  
```



## Step 2: Getting into your Data Sets...

- You should see your data set for this project. Put a “e” in the comand field

```

Menu Options View Utilities Compilers Help
ssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssss
DSLIS - Data Sets Matching SHARB09.RACFICE                                     Row 1 of 1
Command ==>                                                                    Scroll ==> PAGE

Command - Enter "/" to select action          Message          Volume
-----
e          SHARB09.RACFICE.CNTL                                     SHTSO7
***** End of Data Set list *****

```

F1=Help    F2=Split    F3=Exit    F5=Rfind    F7=Up    F8=Down    F9=Swap  
F10=Left    F11=Right    F12=Cancel







## Step 3: Creating your RACFICE Members...

- **Wait for the job completion message. MAXCC=0 is what you want. If you get something else, we'll have to go into SDSF to figure out what happened.**

```
18.13.53 JOB16649 $HASP165 SHARB09I ENDED AT N1 MAXCC=0 CN(INTERNAL)
***
```

## Step 3: Creating your RACFICE Members...

- Press “END” (PF3) twice to get back to this panel. Put an “e” in the command field.

```

Menu Options View Utilities Compilers Help
ssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssssss
DSLIS - Data Sets Matching SHARB09.RACFICE                                     Row 1 of 1
Command ===>                                                                Scroll ===> PAGE

Command - Enter "/" to select action                                         Message                                         Volume
-----
e          SHARB09.RACFICE.CNTL                                           SHTSO7
***** End of Data Set list *****

```

F1=Help    F2=Split    F3=Exit    F5=Rfind    F7=Up    F8=Down    F9=Swap  
F10=Left    F11=Right    F12=Cancel















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## Step 5: Looking at the RACFICE Output...

- **Scroll up and down and look at some of the reports that have been created. Note that many will be empty as there isn't data relevant to all of the reports.**
- **Next, we'll run a short report that you will tailor. To do that, swap back to your member edit screen (PF9) and END out of that member with PF3**













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## Summary

- **We've just scratched the surface... there are so many reports that you can create....**
- **Look at the 'SYS1.SAMPLIB(IRRICE)' reports... there are a lot of interesting techniques used there**
- **Look at the RACF Downloads section of the RACF web page**  
– [www.ibm.com/racf](http://www.ibm.com/racf) resources->downloads
- **The “Introduction to DFSORT” manual is \*outstanding\* and**
- **...and if you have any questions, please e-mail me!**