# VANGUARDSECURITY & OSECURITY &



**ISPF for the Security Professional** 

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### Agenda - Why are we Here?

- As security professionals, ISPF is one of the mainframe tools that we use to get our jobs done. We use it to:
  - Submit batch jobs
  - Edit list of RACF and other commands
  - Process the output of RACF utilities and RACF commands
  - Browse/edit system configuration data sets and
  - Numerous other tasks
- History (and the fabulous VSC-2018 ISPF "Birds of a Feather" session) has taught that there are ISPF features that are being missed by many of us
- These are some of the tips and tools that were mentioned there
- This is an interactive session! Share your tips!
- This session assumes that you are already familiar with the basics of ISPF (specifying data set and file names, entering data, finding and replacing data)

### Agenda (We'll get to as much as we can...)

#### Editing tips/tools

- Stacking commands
- Hex Display (HX)
- Columnar Data
  - COLS
  - SHIFT using ")" and ">"
- PROFILE
- RECOVER
- CUT/CUT DISPLAY/CUT APPEND
- Text flow (TF)
- Finding data (SRCHFOR, FIND)
- Labels
- SWAPBAR

- Data location tools
  - "Projects"
  - DSLISTS, REFLISTs
  - z/OS UNIX file list (3.17)
- Utilities
  - COMPARE
  - Setting member stats (G)
  - PDSE Member generation
  - SARED
  - ZSTART
- ISRDDN
- ISRFIND
- ISPFEDIT in REXXs

# VANGUARDSECURITY & COMPLIANCE

## **EDITING TOOLS**

### Editing Tools: FINDING and EXCLUDING Data

- It's often convenient to exclude large amounts of data to allow us to focus on the data that we care about
- The EXCLUDE command allow specific data to be excluded
  - "EXCLUDE SUCCESS" excludes the **first record** which contains the string "SUCCESS" **anywhere**
  - "EXCLUDE SUCCESS 10" excludes the first record where the string "SUCCESS occurs starting in column 10.
  - "EXCLUDE SUCCESS 10 ALL" excludes all records which have the string "SUCCESS" starting in column one
- The DELETE command allows records which have been included or excluded to be deleted
  - DELETE ALL X deletes all of the records which are excluded
  - DELETE ALL NX deletes all of the records which are not excluded

### Editing Tools: Stacking Commands

- ISPF allows you to stack commands, which can be very convenient when editing/viewing data
  - Default separator character is a ";"
- Example: Editing the output of IRRADU00 searching for specific records. To find all of the RVARY commands, one would need to:
  - Exclude all of the records from the view
    - "exclude all"
  - Find all of the records which have the string "RVARY" starting in column 1
    - "find RVARY 1 all"
  - Delete all of the records which did not meet that criteria (that is, do not have RVARY starting in column 1)
    - "delete all excluded"
  - Stacked together, the command would be:
    - "exclude all; find RVARY 1 all; del all excluded ", which can be abbreviated to:
    - "ex all; find RVARY 1 all; del all x"

#### Editing Tools: Stacking Commands...

• The stacked commands are placed in the command line

Comman	d ===> ex	all:f RV	ARY 1 all	del all x		S	roll ===>	HALF
*****	*******	******	*********	*** Top of I	)ata ***;	*********	*****	****
==MSG>	-Warning	- The UND	O command	is not avai	ilable u	ntil you cha	ange	
==MSG>	-	your ed:	it profile	a using the	command	RECOVERY O	٩.	
000001	JOBINIT	SUCCESS	00:31:23	2011-02-25	IM13		+MASTER+	*
000002	JOBINIT	SUCCESS	00:36:36	2011-02-25	IM13		IBMUSER	SYS1
000003	JOBINIT	SUCCESS	00:36:38	2011-02-25	IM13		IBMUSER	SYS1
000004	JOBINIT	SUCCESS	00:36:38	2011-02-25	IM13		IBMUSER	SYS1
000005	JOBINIT	SUCCESS	00:36:38	2011-02-25	IM13		IBMUSER	SYS1
000006	JOBINIT	TERM	00:36:38	2011-02-25	IM13		IBMUSER	SYS1
000007	JOBINIT	SUCCESS	00:36:38	2011-02-25	IM13		IBMUSER	SYS1
000008	JOBINIT	SUCCESS	00:36:38	2011-02-25	IM13		IBMUSER	SYS1
000009	JOBINIT	SUCCESS	00:36:38	2011-02-25	IM13		IBMUSER	SYS1
000010	JOBINIT	SUCCESS	00:36:38	2011-02-25	IM13		IBMUSER	SYS1
000011	JOBINIT	SUCCESS	00:36:38	2011-02-25	IM13		IBMUSER	SYS1
000012	JOBINIT	SUCCESS	00:36:38	2011-02-25	IM13		IBMUSER	SYS1
000013	JOBINIT	SUCCESS	00:36:38	2011-02-25	IM13		IBMUSER	SYS1
000014	JOBINIT	SUCCESS	00:36:39	2011-02-25	IM13		IBMUSER	SYS1
000015	JOBINIT	SUCCESS	00:37:29	2011-02-25	IM13		IBMUSER	SYS1
000016	JOBINIT	SUCCESS	00:37:30	2011-02-25	IM13		IBMUSER	SYS1F13=Help
F14=Sp	lit F1	5=End	F16=Retu	ırn F17=Ri	find 1	F18=Rchange		
F19=Up	F20	)=Down	F21=Swap	5 F22=Le	eft 1	F23=Right	F24=Cret:	riev

#### Editing Tools: Stacking Commands...

#### • ... and the result is:

EDIT MAR	KN.SAMPLE.	IRRADU00				878	3 lines de	leted	
Command ===>						Sc	croll ===>	HALF	
***** *****	*******	*******	*** Top of 1	Data ****	*****	*****	*******	*****	
000001 RVARY	SUCCESS	01:12:01	2011-02-25	IM13 NO	NO	NO	MARKN	SYS1	
000002 RVARY	SUCCESS	01:13:08	2011-02-25	IM13 NO	NO	NO	MARKN	SYS1	
000003 RVARY	SUCCESS	01:18:50	2011-02-25	IM13 NO	NO	NO	MARKN	SYS1	
000004 RVARY	SUCCESS	01:19:55	2011-02-25	IM13 NO	NO	NO	IBMUSER	SYS1	
***** *****	***** ********************************								

### **Editing Tools: Columnar Data**

- Some applications (IRRDBU00, IRRADU00, JCL, the IBM z/OS Assembler) are sensitive to the specific column in which data appears
  - Specific column offsets for IRRDBU00 and IRRADU00 data
  - Continuation columns in JCL and assembler and required places to start the continuation
- Sometimes we need to find data in specific columns or move data into specific columns

#### Editing Tools: Columnar Data – The COLS Command

- The COLS command creates a display line makes it easy to see in what columns data is located
  - can be specified multiple times in a data set and scrolls with the data, even though it is not data

EDIT	MARKN.TEMP.I	rradu00					Colum	nns 00001	00072
Command ==	Command ===> HALF								
***** ***	***** ********************************								
cols01 SET	ROPTS INSAUTH	16:51:27	2019-08-01	IM13	YES	NO	NO	RACF	SYS1
000002 ALT	USER INSAUTH	16:51:30	2019-08-01	IM13	YES	NO	NO	RACF	SYS1
000003 ALT	USER INSAUTH	16:51:32	2019-08-01	IM13	YES	NO	NO	RACF	SYS1
000004 JOB	INIT PWDEXPR	16:54:21	2019-08-01	IM13	YES	NO	NO	MARKN	SYS1
000005 ACC	ESS SUCCESS	16:54:27	2019-08-01	IM13	NO	NO	NO	MARKN	SYS1
000006 ACC	ESS SUCCESS	16:54:27	2019-08-01	IM13	NO	NO	NO	MARKN	SYS1
000007 ACC	ESS SUCCESS	16:58:32	2019-08-01	IM13	NO	NO	NO	MARKN	SYS1
000008 ACC	ESS SUCCESS	16:58:32	2019-08-01	IM13	NO	NO	NO	MARKN	SYS1
000009 ACC	ESS SUCCESS	16:58:32	2019-08-01	IM13	NO	NO	NO	MARKN	SYS1
000010 ACC	ESS SUCCESS	16:58:33	2019-08-01	IM13	NO	NO	NO	MARKN	SYS1
000011 ACC	ESS SUCCESS	16:58:33	2019-08-01	IM13	NO	NO	NO	MARKN	SYS1
F13=Help	F14=Split	F15=End	F16=R6	eturn	F1	7=Rf	ind	F18=Rch	ange
F19=Up	F20=Down	F21=Swaj	p F22=Le	eft	F2	3=Ri	ght	F24=Cre	triev

#### Editing Tools: Columnar Data – The COLS Command...

- The COLS command places the last digit of the column number in the line that you specified the COLS command
  - You need to look at the "Columns nnnnn nnnnn" in the upper right to figure out the column number
  - The column information is not saved with your data

EDIT MARKN.TEMP.IRRADU00 Columns 00001 00072								00072	
Command ===>	>						Sc	roll ===	> HALF
***** ****	***** ********************************								
=COLS>	+1+	2+	3+	4	+	5	+	6+	7
000001 SETRO	OPTS INSAUTH	16:51:27	2019-08-01	IM13	YES	NO	NO	RACF	SYS1
000002 ALTUS	SER INSAUTH	16:51:30	2019-08-01	IM13	YES	NO	NO	RACF	SYS1
000003 ALTUS	SER INSAUTH	16:51:32	2019-08-01	IM13	YES	NO	NO	RACF	SYS1
000004 JOBIN	NIT PWDEXPR	16:54:21	2019-08-01	IM13	YES	NO	NO	MARKN	SYS1
000005 ACCES	SS SUCCESS	16:54:27	2019-08-01	IM13	NO	NO	NO	MARKN	SYS1
000006 ACCES	SS SUCCESS	16:54:27	2019-08-01	IM13	NO	NO	NO	MARKN	SYS1
000007 ACCES	SS SUCCESS	16:58:32	2019-08-01	IM13	NO	NO	NO	MARKN	SYS1
000008 ACCES	SS SUCCESS	16:58:32	2019-08-01	IM13	NO	NO	NO	MARKN	SYS1
000009 ACCES	SS SUCCESS	16:58:32	2019-08-01	IM13	NO	NO	NO	MARKN	SYS1
000010 ACCES	SS SUCCESS	16:58:33	2019-08-01	IM13	NO	NO	NO	MARKN	SYS1
000011 ACCES	SS SUCCESS	16:58:33	2019-08-01	IM13	NO	NO	NO	MARKN	SYS1
F13=Help	F14=Split	F15=End	F16=R6	eturn	F1	7=Rf:	ind	F18=Rch	ange
F19=Up	F20=Down	F21=Swaj	p F22=Le	eft	F2	3=Rio	ght	F24=Cre	triev

- Let's try an real-world example: Get a list of all of the IRRDBU00 records which define a user ID and sort them by the date of the last logon.
  - First, let's exclude all the rows

EDIT MARKN.SAMPLE2.IRRDBU00							ns 00001 00072 roll ===> HALF
*****	***** ********************************						****
=COLS>+	1+	2+	-3	-+4	+5-	+	67
000001 0102 AM	NDREWS PATT	TY USE					
000002 0102 AN	NDREWS MAXI	INE USE					
000003 0102 AN	NDREWS LAVE	ERNE USE					
000004 0100 AM	NDREWS SYS1	2011-	02-25	MARKN	NONE	NO	
000005 0100 DE	EFAULTG SYS1	2011-	02-25	MARKN	NONE	NO	
000006 0102 GH	PAUTH UAUT	TH\$CO CONNE	СТ				
000007 0102 GH	PAUTH UAUT	TH\$CR CREAT	Έ				
000008 0102 GH	PAUTH UAUT	TH\$JO JOIN					
000009 0102 GH	PAUTH UAUT	TH\$US USE					
000010 0100 GH	PAUTH SYS1	2011-	02-25	MARKN	NONE	NO	
000011 0102 GH	PAUTHCO UAUT	TH\$CO CONNE	СТ				
000012 0100 GH	PAUTHCO SYS1	2011-	02-25	MARKN	NONE	NO	
000013 0102 GH	PAUTHCR UAUT	TH\$CR CREAT	Έ				
000014 0100 GH	PAUTHCR SYS1	2011-	02-25	MARKN	NONE	NO	
000015 0102 GH	PAUTHJO UAUT	TH\$JO JOIN					
F13=Help H	F14=Split	F15=End	F	16=Return	F17=Rf	ind	F18=Rchange
F19=Up H	F20=Down	F21=Swap	F	22=Left	F23=Ri	ght	F24=Cretriev

- Sometimes you need to find an occurrence of a string only when it is in a specific column or range of columns
  - can be specified multiple times in a data set and scrolls with the data, even though it is not data

EDIT MARKN.SAMPLE2.IRRDBU00 Command ===> ***** ****************************	All lines excluded Scroll ===> HALF *******
	94 Line(s) not Displayed ***************************

 Now, let's find all of the records which have an '0200' ("User Basic Data") in column 1

EDIT MARKN.SAMPLE2.IRRDBU00	All lines excluded
Command ===> F : 0200! 1 ALL.	Scroll ===> HALF
Top of Data	
	- 4494 Line(s) not Displayed
***** ********************************	a *********

 Let's get rid of all the non-0200 records by deleting all of them. Since they are excluded, we can just delete all the excluded records

EDIT MARKN.SAMPLE2.IRRDBU00	280 CHARS '0200'
Command ===> DELETE ALL X	Scroll ===> HALF
***** ********************************	* * * * * * * * * * * * * * * * * * * *
1879 Line	e(s) not Displayed
001879 0200 irrcerta 2010-01-20 irrcerta NO NO YES	NO 000
001880 0200 irrmulti 2010-01-20 irrmulti NO NO YES	NO 000
001881 0200 irrsitec 2010-01-20 irrsitec NO NO YES	NO 000
2 Line	e(s) not Displayed
001884 0200 ADRIAN 2010-01-20 IBMUSER NO YES YES NO	NO 030
3 Line	e(s) not Displayed
001888 0200 ANYTIME 2011-02-25 MARKN NO NO NO NO	NO 254
2 Line	e(s) not Displayed
001891 0200 COMMAND1 2011-02-25 MARKN NO NO NO NO	NO 254
3 Line	e(s) not Displayed
001895 0200 COMMAND2 2011-02-25 MARKN NO NO NO NO	NO 254
3 Line	e(s) not Displayed
F13=Help F14=Split F15=End F16=Return F17=Rfind	d F18=Rchange
F19=Up F20=Down F21=Swap F22=Left F23=Right	t F24=Cretriev

#### What happened to our column headings?

- We deleted them! It will be easier if we add them back

EDIT MARKN.SAMPLE2.IRRDBU00 4214 lines deleted								
Command ===>	Command ===> Scroll ===> HALF							
***** **********	***** ********************************							
COLS01 0200 irrcerta 2	2010-01-20 irrcerta	a NO NO	NO YES	NO	000			
000002 0200 irrmulti 2	2010-01-20 irrmult:	i NO NO	NO YES	NO	000			
000003 0200 irrsitec 2	2010-01-20 irrsited	C NO NO	NO YES	NO	000			
000004 0200 ADRIAN 2	2010-01-20 IBMUSER	NO YES	YES NO	NO	030			
000005 0200 ANYTIME 2	2011-02-25 MARKN	NO NO	NO NO	NO	254			
000006 0200 COMMAND1 2	2011-02-25 MARKN	NO NO	NO NO	NO	254			
000007 0200 COMMAND2 2	2011-02-25 MARKN	NO NO	NO NO	NO	254			
000008 0200 DATE21ST 2	2059-07-03 MARKN	NO NO	NO NO	NO	254			
000009 0200 DATE22ND 2	2011-02-25 MARKN	NO NO	NO NO	NO	254			
000010 0200 DEFAULTU 2	2011-02-25 MARKN	NO NO	NO NO	NO	254			
000011 0200 DSALT 2	2011-02-25 MARKN	NO NO	NO NO	NO	254			
F13=Help F14=Split	t F15=End H	F16=Return	F17=Rfin	d	F18=Rchange			
F19=Up F20=Down	F21=Swap I	F22=Left	F23=Righ	t	F24=Cretriev			

EDIT 1	EDIT MARKN.SAMPLE2.IRRDBU00 Columns 00001 00072								
Command ====	>							Sc	roll ===> HALF
***** ****	* * * * * * * * * *	* * * * * * * * * * * *	**** Top	of	Data	*****	* * * * *	****	* * * * * * * * * * * * * * *
=COLS>	+1	-+2	+3	-+	4	+	-5	-+	67
000001 0200	irrcerta	2010-01-20	irrcerta	NO	NO	NO	YES	NO	000
000002 0200	irrmulti	2010-01-20	irrmulti	NO	NO	NO	YES	NO	000
000003 0200	irrsitec	2010-01-20	irrsitec	NO	NO	NO	YES	NO	000
000004 0200	ADRIAN	2010-01-20	IBMUSER	NO	YES	YES	NO	NO	030
000005 0200	ANYTIME	2011-02-25	MARKN	NO	NO	NO	NO	NO	254
000006 0200	COMMAND1	2011-02-25	MARKN	NO	NO	NO	NO	NO	254
000007 0200	COMMAND2	2011-02-25	MARKN	NO	NO	NO	NO	NO	254
000008 0200	DATE21ST	2059-07-03	MARKN	NO	NO	NO	NO	NO	254
000009 0200	DATE22ND	2011-02-25	MARKN	NO	NO	NO	NO	NO	254
000010 0200	DEFAULTU	2011-02-25	MARKN	NO	NO	NO	NO	NO	254
000011 0200	DSALT	2011-02-25	MARKN	NO	NO	NO	NO	NO	254
F13=Help	F14=Spl:	it F15=E:	nd F	16=F	Return	F17	=Rfin	ıd	F18=Rchange
F19=Up	F20=Down	n F21=S <sup>1</sup>	wap F	22=I	Left	F23	=Righ	t	F24=Cretriev
							_		

 Now, tab over (PF11) to find the column that you want. In our case, this is the USBD\_LASTJOB\_DATE field which starts in column 114

 Now, it's time to sort the data with the ISPF SORT command, which expects a starting column, an ending column and an ascending or <u>descending</u> indicator

EDIT	MARKN.SAMPLE2.II	RRDBU00		Columns 00073 00144			
Command :	===> SORT 114 123	d			Scroll ===> HALF		
***** *	* * * * * * * * * * * * * * * * * * * *	r******** I	op of Data **	************	*****		
=COLS> -·	-+9	+0	-+1+-	2+	-34		
000001	CERTAUTH Anchor						
000002	Criteria Anchor						
000003	SITE Anchor						
000004	################	### SYS1	201	L0-01-20			
000005	WHEN (TIME (ANYTIME)	) SYS1	201	L1-02-25			
000006	TSO LOGON COMMAND	SYS1	201	L1-02-25			
000007	TSO LOGON COMMAND	SYS1	201	L1-02-25			
000008	21ST CENTURY DATE	SYS1	201	L1-02-25			
000009	22ND CENTURY DATE	SYS1	201	L1-02-25			
000010	#################	### SYS1	201	L1-02-25			
000011	################	### SYS1	201	L1-02-25			
F13=Help	F14=Split	F15=End	F16=Return	F17=Rfind	F18=Rchange		
F19=Up	F20=Down	F21=Swap	F22=Left	F23=Right	F24=Cretriev		

#### • ...and here is the data!

EDIT	MARKN.SAMPLE2.	IRRDBU00		Columr	ns 00073 00144
Command =	===>			Sci	coll ===> CSR
***** **	*****	*********** T	op of Data *****	* * * * * * * * * * *	*****
=COLS>	-+9	0	-+1+	23	34
000001	CERTAUTH Anchor				
000002	Criteria Anchor				
000003	SITE Anchor				
000004	#################	#### SYS1	2010-0	1-20	
000005	#################	#### SYS1	2010-0	1-20	
000006	#################	#### SYS1	2010-1	1-24	
000007	#################	#### SYS1	2010-1	1-24	
800000	#################	#### SYS1	2010-1	2-17	
000009	#################	#### SYS1	2011-0	1-10	
000010 0	#################	#### SYS1	11:02:20 2011-0	1-10	
000011 0	#################	#### SYS1	11:02:44 2011-0	1-10	
000012 0	#################	#### SYS1	11:03:09 2011-0	1-10	
000013	#################	#### SYS1	22:56:54 2011-0	2-08	
000014	#################	#### SYS1	2011-0	2-08	
000015	#################	#### SYS1	2011-0	2-11	
000016 9	#################	#### SYS1	19:08:04 F13=He	lp F14=	=Split
F15=End	F16=Return	F17=Rfind	F18=Rchange		
F19=Up	F20=Down	F21=Swap	F22=Left F2	3=Right	F24=Cretriev

### Editing Tools: HEX Display

• Sometimes, you want to see the hexadecimal version of data

BROWSE	SYS1.LINKLIB(	IEFBR14)		Line 000000	0000 Col 001 080			
Command =	==> hex on				Scroll ===> CSR			
1	2	+3+	45-	6	-+8			
**************************************								
.ØIEFBR14								
Ø <sup>3</sup>								
Ø5695PMB01øá"								
ØØ5668	96201¤							
Ø.hR	SI53390780							
Ú								
*******	* * * * * * * * * * * * * * * *	******* Bott	om of Data ***	*******	* * * * * * * * * * * * * * * * *			
F13=Help	F14=Split	F15=End	F16=Return	F17=Rfind	F18=Rchange			
F19=Up	F20=Down	F21=Swap	F22=Left	F23=Right	F24=Cretriev			

### Editing Tools: HEX Display...

- ... and there it is in hex!
  - Along with the column bar in hex!  $\textcircled{\sc o}$
- You can do the HEX command on the single lines (HX) or groups

BROWSE SYS1.LINKLIB(IEFBR14) Command ===>						Line 000000000 Col 001 080 Scroll ===> CSR						
+	-1+	2	-+3	+	4+-	5	+	6	+	7	+	8
+	-F+	F	-+F	+	F+-	F	+	F	+	F	+	<b></b> F
+	-1+	2	-+3	+	4+-	5	+	6	+	7	+	8
 ********		 * * * * * * * * * * *		тор о	f Data	* * * * * *		 * * * * * * *		****		 ***
.ø 280000010 00000100	 IEFBR14 CCCCDFF 9562914	400000000	 ) 1									
Ø <sup>3</sup> 8F0000000 0A1000000 F19=Up	0000000 0000000 F2	0000000000 0000000000 0=Down	00000000000000000000000000000000000000	)0000000 )0000000 ap	00000000 00000000 F22=Lef	)0000000 )0000000 Et	)000000 )000000 F23=R	000000 000000 ight	)000000 )00000 F24	)00000 )00000 l=Cre	00000 00000 triev	 000 000

### Editing Tools: PROFILE

 The PROFILE command shows the ISPF options for data sets which end with the same value (IRRBDU00 in this case)

EDIT MARKN.SAM	Columns	00001 00072			
Command ===> <b>PROFI</b>	LE			Scr	oll ===> CSR
***** ********	* * * * * * * * * * * * *	*** Top of	Data *****	*******	* * * * * * * * * * * * *
000001 0102 ANDREWS	PATTY USE				
000002 0102 ANDREWS	MAXINE USE				
000003 0102 ANDREWS	LAVERNE USE				
000004 0100 ANDREWS	SYS1 201	1-02-25 MAR	KN NONE	NO	
000005 0100 DEFAULTG	SYS1 201	1-02-25 MAR	KN NONE	NO	
000006 0102 GPAUTH	UAUTH\$CO CON	NECT			
000007 0102 GPAUTH	UAUTH\$CR CRE	ATE			
000008 0102 GPAUTH	UAUTH\$JO JOI	N			
000009 0102 GPAUTH	UAUTH\$US USE				
000010 0100 GPAUTH	SYS1 201	1-02-25 MAR	KN NONE	NO	
000011 0102 GPAUTHCO	UAUTH\$CO CON	NECT			
000012 0100 GPAUTHCO	SYS1 201	1-02-25 MAR	KN NONE	NO	
F13=Help F14=Spl	it F15=End	F16=R	eturn F17	=Rfind F	18=Rchange
F19=Up F20=Dow	n F21=Swa	p F22=L	eft F23	=Right F	24=Cretriev

#### Editing Tools: PROFILE...

EDIT M	MARKN.SAMPLE.IRRDBU00					Column	ns 00001 00072	
Command ===>						Sc	croll ===> CSR	
***** ****	****	******	***** To	p of Data	* * * * * * * * * *	* * * * * * *	****	
=PROF>I	RRDBU00 (VA	ARIABLE	- 12284).	RECOVER	Y ONNU	JMBER C	)FF	
=PROF>CAPS OFFHEX OFFNULLS ON STDTABS OFF								
=PROF>AUTOSAVE ONAUTONUM OFFAUTOLIST OFFSTATS OFF								
=PROF> PROFILE UNLOCK IMACRO NONE PACK OFFNOTE ON								
=PROF>H	ILITE OFF C	CURSOR F	'IND					
000001 0102	ANDREWS PA	ATTY	USE					
000002 0102	ANDREWS MA	AXINE	USE					
000003 0102	ANDREWS LA	AVERNE	USE					
000004 0100	ANDREWS SY	rs1	2011-02-2	5 MARKN	NONE	NO		
000005 0100	DEFAULTG SY	rs1	2011-02-2	5 MARKN	NONE	NO		
000006 0102	GPAUTH UA	AUTH\$CO	CONNECT					
000007 0102	GPAUTH UA	AUTH\$CR	CREATE					
000008 0102	GPAUTH UA	UTH\$JO	JOIN					
000009 0102	GPAUTH UA	UTH\$US	USE					
000010 0100	GPAUTH SY	rs1	2011-02-2	5 MARKN	NONE	NO		
000011 0102	GPAUTHCO UA	UTH\$CO	CONNECT	-	-	-		
000012 0100	GPAUTHCO SY	rs1	2011-02-2	5 MARKN	NONE	NO		
	01				3	-		
F13=Help	F14=Split	F15=	End	F16=Return	F17=Rf	ind	F18=Rchange	
F19=Up	F20=Down	0 F21=	Swap	F22=Left	F23=Rid	rht.	F24=Cretriev	
	220 2000		~		220 112	9 0	1 1 01001101	

2019

- PDSE supports the concept of member generations, which are prior versions of a PDSE member
- Must be version 2 and be enabled by systems programmer
- Support from ISPF 3.4

```
Data Set Information
Command ===>
Data Set Name . . . : MARKN.TEMP.PDSE
General Data
                                      Current Allocation
Management class . . : MIGONLY
                                       Allocated tracks . : 6
 Storage class . . . : STANDARD
                                       Allocated extents . : 1
 Volume serial . . . : SL1111
                                       Maximum dir. blocks : NOLIMIT
  Device type . . . : 3390
 Data class . . . . : **None**
  Organization . . . : PO
                                      Current Utilization
  Record format . . . : FB
                                       Used pages . . . : 60
  Record length . . . : 80
                                       % Utilized . . . . : 83
  Block size . . . : 32720
                                       Number of members . : 7
  1st extent tracks . : 6
  Secondary tracks . : 10
  Data set name type : LIBRARY
                                      Dates
                                       Creation date . . . : 2014/08/02
  Data set encryption : NO
  Data set version . : 2
                                       Referenced date . . : 2019/09/27
  Num of generations : 10
                                       Expiration date . . : ***None***
F13=Help
            F14=Split
                          F15=End
                                       F16=Return
                                                    F17=Rfind
                                                                 F18=Rchange
F19=Up
             F20=Down
                          F21=Swap
                                                    F23=Right
                                       F22=Left
                                                                 F24=Cretriev
```

• Create a new member, VSC2019 in this case

EDIT	MARKN.TEMP.PDSE					Row 0000001 of 0000007			
Command ==	==> s vsc20	019	Scroll ===> HALF						
	Name	Prompt	Size	Created	Chan	ged	ID		
	JCL1		21	2018/09/12	2018/09/12	12:18:12	BRUCE		
	JCL2		21	2018/09/12	2018/09/12	12:18:33	MARKN		
	LARGE01		225	2018/09/12	2018/09/12	12:22:39	MARKN		
	LOTTAS		161	2018/09/12	2018/09/12	19:05:19	MARKN		
	LOTTTAS		184	2018/09/12	2018/09/12	19:10:38	MARKN		
	TEMP01		1	2014/08/02	2018/09/12	18:20:16	MARKN		
	TEMP02		1	2019/09/06	2019/09/06	18:26:08	MARKN		
F13=Help F19=Up	F14=Sp F20=Dov	lit wn	F15=End F21=Swap	F16=Return F22=Left	F17=Rfind F23=Right	F18=Rc F24=Cr	change cetriev		

• Enter some date ("Version one!") then END/SAVE (PF3) to save the data

2019

EDIT	MARKN.TEMP.PD	SE(VSC2019) -	- 01.00	Colu	mns 00001 00072		
****** *******************************							
000001 Version one! ****** ******************************							
F13=Help F19=Up	F14=Split F20=Down	F15=End F21=Swap	F16=Return F22=Left	F17=Rfind F23=Right	F18=Rchange F24=Cretriev		

 Select the member again and change the data to "Version two!" and END/SAVE to save the data

2019

EDIT Command ===	MARKN.TEMP.PDS >	SE(VSC2019) -	01.00	Colum Sc	nns 00001 00072 croll ===> CSR		
***** ********************************							
UUUUUI Version two! ****** ******************************							
F13=Help F19=Up	F14=Split F20=Down	F15=End F21=Swap	F16=Return F22=Left	F17=Rfind F23=Right	F18=Rchange F24=Cretriev		

 Select the member once again and change the data to "Version three!" and END/SAVE to save the data

EDIT :: Command === ***** **** 000001 Vers ***** ****	MARKN.TEMP.PD: > ion three! **********	SE(VSC2019) - ************************************	- 01.00 Top of Data ** Bottom of Data	Colu: S ***************	<pre>mns 00001 00072 croll ===&gt; CSR ************************************</pre>
F13=Help	F14=Split	F15=End	F16=Return	F17=Rfind	F18=Rchange
F19=Up	F20=Down	F21=Swap	F22=Left	F23=Right	F24=Cretriev

 Now, go back to the edit member selection list and select the member, but put a "/" in the prompt column

2019

EDIT	MARKN.1		Row 0000008 of 0000008			
Command ==	==>		S	croll ===> HALF		
	Name Promp	ot Size	Created	Change	d ID	
e	VSC2019 /	1	2019/10/01	2019/10/01 0	0:21:32 MARKN	
F13=Help F19=Up	F14=Split F20=Down	F15=End F21=Swap	F16=Return F22=Left	F17=Rfind F23=Right	F18=Rchange F24=Cretriev	

- You will now see the additional information panel where you can indicate which version of the member that you want to work with
  - 0=current, -1= previous, -2= previous to the previous, et cetera

EDIT Entry	Panel			More:	+		
Object Name 'MARKN.TEME * No workst Initial M PDSE Gene Line Comm Profile N	2: P.PDSE(VSC2019 Lation connect Macro Pration3 Mand Table Mame	))' cion (Blan	k defaults to	Туре)			
Format Na Panel Nam	Format Name Panel Name (Leave blank for default)						
Options Data Encoding / Confirm Cancel/Move/Replace 1. ASCII EDIT Mixed Mode 2. UTF-8 EDIT host file on Workstation Preserve VB record length							
F13=Help F19=Up	F14=Split F20=Down	F15=End F21=Swap	F16=Return F22=Left	F17=Rfind F23=Right	F18=Rchange F24=Cretriev		

• You now see the minus 3 generation which is "Version one!"

EDIT       MARKN.TEMP.PDSE(VSC2019) - 01.00       Columns 00001 00072         Command ===>       Scroll ===> CSR         ******       ************************************							
F13=Help	F14=Split	F15=End	F16=Return	F17=Rfind	F18=Rchange		
F19=Up	F20=Down	F21=Swap	F22=Left	F23=Right	F24=Cretriev		

# VANGUARDSECURITY & COMPLIANCE

## UTILITIES

### Utilities: The COMPARE Command

- The COMPARE command compares the current member and the specified member
- The three first records are in UNLOAD1 and not in this member (UNLOAD2)

EDIT MARKN.IRRDBU00.PDSE(UNLOAD2) - 01.00 Columns 00001 00072						
Command ===> compare	unload1				S	croll ===> CSR
***** *********	*******	****** Top	of Data	* * * * * * * * *	*****	* * * * * * * * * * * * * * *
===== 0102 ANDREWS	PATTY	USE				
===== 0102 ANDREWS	MAXINE	USE				
===== 0102 ANDREWS	LAVERNE	USE				
000004 0100 ANDREWS	SYS1	2011-02-25	MARKN	NONE	NO	
000005 0100 DEFAULTG	SYS1	2011-02-25	MARKN	NONE	NO	
000006 0102 GPAUTH	UAUTH\$CO	CONNECT				
000007 0102 GPAUTH	UAUTH\$CR	CREATE				
000008 0102 GPAUTH	UAUTH\$JO	JOIN				
000009 0102 GPAUTH	UAUTH\$US	USE				
000010 0100 GPAUTH	SYS1	2011-02-25	MARKN	NONE	NO	
000011 0102 GPAUTHCO	UAUTH\$CO	CONNECT				
F13=Help F14=Spl	it F15:	=End F	16=Return	F17=Rf	ind	F18=Rchange
F19=Up F20=Dow	n F21:	=Swap F	22=Left	F23=Ri	ght	F24=Cretriev

#### Utilities: The COMPARE Command...

- ... but we can add them with the "make data" (MD) command!
- The three first records are in UNLOAD1 and not in this member (UNLOAD2)

EDIT MARKN.IRRDBU00.PDSE(UNLOAD2) - 01.00				- 01.00	Columns 00001 00072		
Command ===>	compare unlo	oad1				Sc	croll ===> CSR
***** ********************************							
<b>md</b> ==== 0102 A	NDREWS PAT	FY USE					
<b>md</b> ==== 0102 A	NDREWS MAX	INE USE					
<b>md</b> ==== 0102 A	NDREWS LAVE	ERNE USE					
000004 0100 A	NDREWS SYS?	L 2011-	-02-25	MARKN	NONE	NO	
000005 0100 D	EFAULTG SYS?	L 2011-	-02-25	MARKN	NONE	NO	
000006 0102 G	PAUTH UAU	TH\$CO CONNE	ECT				
000007 0102 G	PAUTH UAU	TH\$CR CREAT	ΓE				
000008 0102 G	PAUTH UAU	CH\$JO JOIN					
000009 0102 G	PAUTH UAU	FH\$US USE					
000010 0100 G	PAUTH SYS?	L 2011-	-02-25	MARKN	NONE	NO	
000011 0102 G	PAUTHCO UAU	TH\$CO CONNE	ECT				
F13=Help	F14=Split	F15=End	F	16=Return	F17=Rfi	nd	F18=Rchange
F19=Up	F20=Down	F21=Swap	F2	22=Left	F23=Ric	ght	F24=Cretriev

#### Utilities: The COMPARE Command...

- ... but we can add them with the "make data" (MD) command!
- The three first records are in UNLOAD1 and not in this member (UNLOAD2)

EDIT MARKN.IRRDBU00.PDSE(UNLOAD2) - 01.00 Columns 00001 00072						ns 00001 00072
Command ===> compare unload1				Scroll ===> CSR		
***** ********************************						
000001 0102 ANDREWS	PATTY	USE				
000002 0102 ANDREWS	MAXINE	USE				
000003 0102 ANDREWS	LAVERNE	USE				
000004 0100 ANDREWS	SYS1	2011-02-25	MARKN	NONE	NO	
000005 0100 DEFAULTO	G SYS1	2011-02-25	MARKN	NONE	NO	
000006 0102 GPAUTH	UAUTH\$CO	CONNECT				
000007 0102 GPAUTH	UAUTH\$CR	CREATE				
000008 0102 GPAUTH	UAUTH\$JO	JOIN				
000009 0102 GPAUTH	UAUTH\$US	USE				
000010 0100 GPAUTH	SYS1	2011-02-25	MARKN	NONE	NO	
000011 0102 GPAUTHCC	) UAUTH\$CO	CONNECT				
F13=Help F14=Spl	it F15	=End F	16=Return	F17=Rf	ind	F18=Rchange
F19=Up F20=Dov	n F21	=Swap F	22=Left	F23=Ri	ght	F24=Cretriev

#### Utilities: The COMPARE Command...

- The "compare \*" command compares the current edited version with the saved version
- The three first records are in UNLOAD1 and not in this member (UNLOAD2)

EDIT MARKN.IRR	Colu	umns 00001 00072				
Command ===>				Scroll ===> CSR		
***** ********************************						
<b>d</b> 00001 0100 ANDREWS	SYS1 2011-	-02-25 MARKN	NONE NO			
000002 0100 DEFAULTG	SYS1 2011-	-02-25 MARKN	NONE NO			
<b>d</b> 00003 0102 GPAUTH	UAUTH\$CO CONNE	CT				
000004 0102 GPAUTH	UAUTH\$CR CREAT	Έ				
<b>d</b> 00005 0102 GPAUTH	UAUTH\$JO JOIN					
000006 0102 GPAUTH	UAUTH\$US USE					
000007 0100 GPAUTH	SYS1 2011-	-02-25 MARKN	NONE NO			
000008 0102 GPAUTHCO	UAUTH\$CO CONNE	CT				
000009 0100 GPAUTHCO	SYS1 2011-	-02-25 MARKN	NONE NO			
000010 0102 GPAUTHCR	UAUTH\$CR CREAT	Έ				
000011 0100 GPAUTHCR	SYS1 2011-	-02-25 MARKN	NONE NO			
F13=Help F14=Spl	it F15=End	F16=Return	F17=Rfind	F18=Rchange		
F19=Up F20=Dow	n F21=Swap	F22=Left	F23=Right	F24=Cretriev		
## Utilities: The COMPARE Command...

- The "compare \*" shows us what has changed
- The three first records are in UNLOAD1 and not in this member (UNLOAD2)

EDIT MARKN.IRR	DBU00.PDSH	E(UNLOAD2) ·	- 01.00		Colum	ns 00001 00072
Command ===> compare	e *				S	croll ===> CSR
***** *********	* * * * * * * * * *	****** Top	of Data	* * * * * * * * * *	* * * * * * *	* * * * * * * * * * * * * * *
000001 0100 DEFAULTG	SYS1	2011-02-25	MARKN	NONE	NO	
000002 0102 GPAUTH	UAUTH\$CR	CREATE				
000003 0102 GPAUTH	UAUTH\$US	USE				
000004 0100 GPAUTH	SYS1	2011-02-25	MARKN	NONE	NO	
000005 0102 GPAUTHCO	UAUTH\$CO	CONNECT				
000006 0100 GPAUTHCO	SYS1	2011-02-25	MARKN	NONE	NO	
000007 0102 GPAUTHCR	UAUTH\$CR	CREATE				
000008 0100 GPAUTHCR	SYS1	2011-02-25	MARKN	NONE	NO	
000009 0102 GPAUTHJO	UAUTH\$JO	JOIN				
000010 0100 GPAUTHJO	SYS1	2011-02-25	MARKN	NONE	NO	
000011 0102 GPAUTHUS	UAUTH\$US	USE				
000012 0100 GPAUTHUS	SYS1	2011-02-25	MARKN	NONE	NO	
F13=Help F14=Spl:	it F15=	=End Fi	16=Return	F17=Rf	ind	F18=Rchange
F19=Up F20=Down	n F21=	=Swap F2	22=Left	F23=Rio	ght	F24=Cretriev

## Utilities: The COMPARE Command...

- The "compare \*" shows us what has changed
- The three first records are in UNLOAD1 and not in this member (UNLOAD2)

EDIT MARKN.IRRDBU00.PDSE(UNLOAD2) - 01.00 Columns 00001 00072											
Command ===>	compare *					Sc	croll ===> CSR				
***** *****	*******	* * * * * * *	**** Top	of Data *	********	******	* * * * * * * * * * * * * * *				
===== 0100 A	NDREWS SYS	L 2	011-02-25	MARKN	NONE	NO					
000001 0100 D	EFAULTG SYS	L 2	011-02-25	MARKN	NONE	NO					
===== 0102 G	PAUTH UAU	TH\$CO C	CONNECT								
000002 0102 G	PAUTH UAU	TH\$CR CI	REATE								
===== 0102 G	PAUTH UAU	ГН\$ЈО Ј(	OIN								
000003 0102 G	PAUTH UAU	CH\$US U	ISE								
000004 0100 G	PAUTH SYS	1 2	011-02-25	MARKN	NONE	NO					
000005 0102 G	PAUTHCO UAU	TH\$CO C	CONNECT								
000006 0100 G	PAUTHCO SYS	L 2	011-02-25	MARKN	NONE	NO					
000007 0102 G	PAUTHCR UAU	TH\$CR CI	REATE								
000008 0100 G	PAUTHCR SYS	L 2	011-02-25	MARKN	NONE	NO					
000009 0102 G	PAUTHJO UAU	ГН\$ЈО Ј(	OIN								
000010 0100 G	PAUTHJO SYS	L 2	011-02-25	MARKN	NONE	NO					
000011 0102 G	PAUTHUS UAU	CH\$US U	ISE								
F13=Help	F14=Split	F15=E1	Ind F1	6=Return	F17=Rf	Lnd	F18=Rchange				
F19=Up	F20=Down	F21=St	Swap F2	2=Left	F23=Ric	ght	F24=Cretriev				

## **Utilities: Resetting ISPF Statistics**

- Member ISPF statistics are not to be trusted... they can be changed!
- ISPF option 3.5 gives one way

Reset ISPF Statistics										
Option ===> :	R									
R Reset (cre	ate/update) I	SPF statistic	s D Delete	ISPF statisti	cs					
New Userid DRWHO(If userid is to be changed)New Version Number(If version number is to be changed)										
SCLM Setting			Enter "/	" to select o	ption					
3 1. SCLM	2. Non-SCLM	3. As is	/ Reset	Mod Level						
			/ Reset	Sequence Num	bers					
ISPF Library	:		/ Reset	Date/Time						
Project .	MARKN		/ Reset	Number of Li	nes					
Group	TEMP3									
Туре	PDSE									
Member .	• •	(Blan	k or pattern	for member se	lection					
		list	, "*" for all	members)						
Other Partit	ioned Data Se	t:								
Name										
Volume Se	Volume Serial (If not cataloged)									
Data Set Password (If password protected										
F13=Help	F14=Split	F15=End	F16=Return	F17=Rfind	F18=Rchange					
F19=Up	F20=Down	F21=Swap	F22=Left	F23=Right	F24=Cretriev					

## Utilities: Resetting ISPF Statistics...

• Select the members that you want to change....

RESET MARKN.TE Command ===>	MP3.PDSE		Row 00	00001 of 0000001 Scroll ===> HALF
Name Promp s TEST	t Size 1	Created 2019/09/27	Changed 2019/09/27 23:	ID 30:35 MARKN
**End**				
F13=Help F14= F19=Up F20=	Split F15=End Down F21=Swag	F16=Ret p F22=Lef	turn F17=Rfind t F23=Right	F18=Rchange F24=Cretriev

2019

### Utilities: Resetting ISPF Statistics...

#### • ... and make is so!

RESET MA Command ===	RKN.TEMP3.PDSE >			Row 0000 Sc	0001 of 0000001 croll ===> HALF
Name	Prompt	Size	Created	Changed	ID
. TEST	*RESET	1	2019/09/27	2019/09/27 23:35	5:48 DRWHO
**End**					
F13=Help F19=Up	F14=Split F20=Down	F15=End F21=Swap	F16=Retu F22=Left	rn F17=Rfind F23=Right	F18=Rchange F24=Cretriev

# VANGUARDSECURITY & COMPLIANCE

## ISRDDN

#### **ISRDDN Overview**

- Contained within ISPF is a debugging tool, ISRDDN, which can be used to:
  - Examine the data sets allocated to a DD name
  - Browse storage that is accessible to non-authorized callers
  - Identify the 'fetch location' for a module loaded by the user
  - Find the data sets which contained a specific member
  - Identify I/O errors caused by mixed record format allocations
  - Find who is allocated specific data sets
  - Identify member names or LPA load modules are duplicated in the user's current allocations
  - Find empty data sets in data set concatenations

## Getting into ISRDDN

 ISRDDN is invoked from any place in ISPF where you can enter a TSO command



#### First ISRDDN Panel

 The first/home ISRDDN panel is a list of the DD names allocated to the TSO session and the data sets allocated to those DDNAMES

			Current	Data Set A	llocati	lons		Row	1 of 122	
Volume	Dispositior	n Act	DDname	Data Set	Name	Actions: E	BEV	ΜF	CIQ	
	NEW,DEL	>	\$ASM	NULLFILE	(Dummy)					
	NEW,DEL	>	\$CLIST	NULLFILE	(Dummy)					
	NEW,DEL	>	\$CNTL	NULLFILE	(Dummy)					
	NEW,DEL	>	\$LIST	NULLFILE	(Dummy)					
	NEW,DEL	>	\$LOAD	NULLFILE	(Dummy)					
	NEW,DEL	>	\$OBJ	NULLFILE	(Dummy)					
	NEW,DEL	>	\$PLS	NULLFILE	(Dummy)					
	NEW,DEL	>	\$TEXT	NULLFILE	(Dummy)					
SPOOL1	SHR,KEEP	>	HASPINDX	ISF.HASPI	NDX					
ZD113B	SHR,KEEP	>	ISPILIB	ISP.SISPS	AMP					
	MOD,DEL	>	ISPLIST		- J3DR	Subsystem	file			
ZD113B	SHR,KEEP	>	ISPLLIB	GIM.SGIML	MD0					
ZD113B	SHR,KEEP	>		SYS1.DFQL	LIB					
ZD113B	SHR,KEEP	>		SYS1.DGTL	LIB					
ZD113B	SHR,KEEP	>		SYS1.SCBD	HENU					
	MOD,DEL	>	ISPLOG		- J3DR	Subsystem	file			
ZD113B	SHR,KEEP	>	ISPMLIB	SYS1.SERB	MENU					
Command =	==>						Scro	)ll =	==>	
F1=Help	F2=Split	F3=	=Exit	F5=Rfind	F7=Up	F8=Dc	own	F9=	Swap	
F10=Left	F11=Right	F12=	=Cancel							
*CMD										

#### First ISRDDN Panel...

• Scrolling to the right shows more data set information

					Current	Data Set Allocations Row 1 of 122
Blksz	Lrecl	RCFM	Org	Act	DDname	Data Set Name Actions: B E V M F C I Q
			PS	~	ŞASM Çaltam	NOTTETTE (Dauma)
			PS	>	ŞCLIST A GRAMM	NOTTEITE (Dawwà)
			PS	>	ŞCNTL	NOTTETTE (DawwA)
			PS	>	ŞLIST	NULLFILE (Dummy)
			PS	>	\$LOAD	NULLFILE (Dummy)
			PS	>	\$OBJ	NULLFILE (Dummy)
			PS	>	\$PLS	NULLFILE (Dummy)
			PS	>	\$TEXT	NULLFILE (Dummy)
4096	4096	F	DA	>	HASPINDX	X ISF.HASPINDX
27920	80	FB	PO	>	ISPILIB	ISP.SISPSAMP
				>	ISPLIST	J3DR Subsystem file
32760	**	U	PO	>	ISPLLIB	GIM.SGIMLMD0
32760	**	U	PO	>		SYS1.DFQLLIB
32760	**	U	PO	>		SYS1.DGTLLIB
32760	**	U	PO	>		SYS1.SCBDHENU
			PS	>	ISPLOG	J3DR Subsystem file
27920	80	FB	PO	>	ISPMLIB	SYS1.SERBMENU
Commar	nd ===	>				Scroll ===> PAGE
F1=He	ale	F2=Si	olit	F3=	=Exit	F5=Rfind F7=Up F8=Down F9=Swap
F10=Le *CMI	eft : D	F11=R	ight	F12=	=Cancel	

#### First ISRDDN Panel...

• Scrolling to the right shows more data set information

Open	SMS	ENQWait	Act	DDname	Data Set	z Name	Actions:	ΒΕV	M F C	IQ	
		>	>	\$ASM	NULLFILE	(Dummy)					
		>	>	\$CLIST	NULLFILE	(Dummy)					
		>	>	\$CNTL	NULLFILE	(Dummy)					
		>	>	\$LIST	NULLFILE	(Dummy)					
		>	>	\$LOAD	NULLFILE	(Dummy)					
		>	>	\$OBJ	NULLFILE	(Dummy)					
		>	>	\$PLS	NULLFILE	(Dummy)					
		>	>	\$TEXT	NULLFILE	(Dummy)					
		>	>	HASPINDX	K ISF.HASPI	ENDX					
		>	>	ISPILIB	ISP.SISPS	SAMP					
Cl=A		>	>	ISPLIST		J3DR	Subsystem	file			
Open		>	>	ISPLLIB	GIM.SGIMI	LMD0					
Open		>	>		SYS1.DFQI	LIB					
Open		>	>		SYS1.DGTI	LIB					
Open		>	>		SYS1.SCBI	OHENU					
Cl=A		>	>	ISPLOG		J3DR	Subsystem	file			
Open		>	>	ISPMLIB	SYS1.SERE	BMENU					
Command ==	==>							Scro	)ll ===>	PAGE	
F1=Help	F2	2=Split	F3=	=Exit	F5=Rfind	F7=Up	F8=Do	own	F9=Swa	р	
F10=Left *CMD	F11	l=Right	F12=	=Cancel							

### **ISRDDN Overview**

- Commands Available
  - B Browse the first sixteen data sets or a single data set.
  - E Edit the first sixteen data sets or a single data set.
  - V View the first sixteen data sets or a single data set.
  - M Show an enhanced member list for the first sixteen data sets or a single data set.
  - F Free the entire DDNAME.
  - C Compress a PDS using the existing allocation.
  - I Provide additional data set information.
  - Q Display list of users or jobs using a data set.

#### Pseudo-DD names

- You can look at APF, PARMLIB, and LPA information with these commands:
  - APF: Include or remove a pseudo-ddname of APFLIST which contains a list of APF libraries.
  - LPA:Include or remove pseudo-ddnames LPALIB and LINKLIST which contain LPA libraries and Link List libraries respectively.
  - PARMLIB: Include or remove a pseudo-ddname of PARMLIB which contains a list of PARMLIB libraries.

#### Member Lists

 Placing an action character ("b" for browse in this example) next to a DD name creates something very interesting...

			Current I	ata Set Allocations R	low 262 of 338
Volume	Disposition	. Act	DDname	Data Set Name Actions: B E V	MFCIQ
SL7430	SHR, KEEP	>	SYSEXEC	TIPS.TSO.REXX	
SL2B06	SHR, KEEP	>		TIPS.AUTOXREF.REXX	
SL120B	SHR,KEEP	>		TIPS.ASMXREFM.EXEC	
SL732D	SHR,KEEP	>		TIPS.AXEA.REXX	
SL2B00	SHR,KEEP	>		MASTSSI.COMMON.REXX	
SL730F	SHR,KEEP	>		TIPS.NEWTOOLS.REXX	
SL1355	SHR,KEEP	>		TIPS.MCLUSERS.REXX	
SL732A	SHR,KEEP	>		TIPS.XEDIT.CLIST	
SL3602	SHR,KEEP	>		TIPS.GENCMD.V512CLIB	
PRIPKA	SHR,KEEP	>	SYSHELP	SYS1.HELP	
PPP001	SHR,KEEP	>		SYS1.TCPIP.TCPHELP	
PRIPKA	SHR,KEEP	>		SYS1.SEDGHLP1	
SL7437	SHR,KEEP	>		TIPS.TSO.HELP	
SL7432	SHR,KEEP	>		TIPS.MCLUSERS.HELP	
	NEW,DEL	>	SYSIN	Allocated to the te	erminal
	NEW,DEL	>	SYSPRINT	Allocated to the te	erminal
SL2B0D	SHR,KEEP	> b	SYSPROC	RACFDEV.IPCS.CLIST	
SL7436	SHR,KEEP	>		RACFDEV.ISPF.CLIST	
PRIPKA	SHR,KEEP	>		SYS1.ISP.SISPCLIB	
SYSAQ1	SHR,KEEP	>		SYS1.TSO.CLIST	
SYSLBX	SHR,KEEP	>		SYSTOOLS.CLIB	
PRIPKA	SHR,KEEP	>		SYS1.EOY.SEOYCLIB	
SYSAQ4	SHR,KEEP	>		EMG.V2R1M0.EMGCLIB	
PRIPKA	SHR,KEEP	>		SYS1.REXX.SFANCMD	
PRIPKA	SHR,KEEP	>		SYS1.REXX.SEAGCMD	
PRIPKA	SHR,KEEP	>		SYS1.DGTCLIBV	
PRIPKA	SHR,KEEP	>		SYS1.HRFCLST.CLIST	
Command ==	==>			Scr	coll ===> PAGE
*ISRDDÌ	NP				

VANGUARD SECURITY & COMPLIANCE

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#### Member Lists...

#### • ... a member list for all members in all data sets! "Lib" indicates which library

#### contains the member

Menu Functions	Utilities	Help				
SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS	ssssssssss	ssssss	SSSSSSSSSSSSSS	sssssssssss	ssssssssssss	SSSSSSSS
BROWSE RACFDEV.	IPCS.CLIST				First 16 Da	ata Sets
Name Prompt	Lib S	Size	Created	Chang	ged	ID
. \$\$\$COIBM	14	24	1990/03/15	1990/03/15	16:00:00	ORIGINA
. \$CONVERT	2	65	1983/12/19	1984/09/18	12:52:00	BIBOLET
. \$VERIFY	2	31	1983/06/24	1987/01/12	12:22:00	BIBOLET
. #ALLOC	13					
. #ASAPI2	13	104	2001/05/03	2001/05/04	11:50:19	GREAGOR
. #BANKDO	13	32	1993/03/23	1993/03/23	15:55:45	DCRPROC
. #BANKSET	13	209	1993/02/25	1993/03/03	10:59:08	DCRPROC
. #BROWSE	13	63	1988/09/26	1991/05/29	08:37:00	D15BWL1
. #DISKR	13	90	1988/09/26	1991/05/29	08:37:00	D15BWL1
. #DISKW	13	66	1988/10/27	1991/05/29	08:37:00	D15BWL1
. #DRVITMS	13	83	1990/04/02	1993/01/27	14:46:19	GREAGOR
. #EDIT	13	55	1988/10/27	1991/05/29	08:38:00	D15BWL1
. #PDSCOMP	2	183	1988/09/02	1989/04/13	10:14:00	TGBYRNE
. #SETCLVL	13	14	1986/09/08	1986/09/08	18:25:00	D24AJD1
. #SETLLIB	13	195	1999/02/17	1999/02/17	15:04:05	D15RAS1
. #TEMP	13	9	1987/05/14	1987/05/14	09:22:00	BOYLE
. #TRACER	13	8	1987/05/14	1987/05/14	09:22:00	BOYLE
. #VSAMSET	13	68	1985/11/15	1986/04/10	16:14:00	D24AJD1
. @ADC370B	3	21	1996/10/04	1996/10/04	10:03:40	AMOLLOY
. @ADC370F	3	21	1996/10/04	1996/10/04	10:06:20	AMOLLOY
. @BOOKI	3					
. @BOOKM	3					
. @CCPLUSB	3	16	1999/03/17	1999/05/14	15:33:23	JWELLS
. @CCPLUSF	3	16	1999/05/14	2001/12/11	10:28:06	SLMC
. @COBOLSF	3					
. @COB2	3					
Command ===>					Scroll ==	==> HALF

• The LOAD command attempts to load a module into storage.

			Cur	rent Data S	Set All	ocations		Row 1 of 122
Volume	Dispositior	n Act	DDname	Data Set 1	Name	Actions: E	BEV	ΜΕСΙΟ
	NEW, DEL	>	\$ASM	NULLFILE	(Dummy)			_
	NEW, DEL	>	\$CLIST	NULLFILE	(Dummy)			
	NEW, DEL	>	\$CNTL	NULLFILE	(Dummy)			
	NEW, DEL	>	\$LIST	NULLFILE	(Dummy)			
	NEW, DEL	>	\$LOAD	NULLFILE	(Dummy)			
	NEW, DEL	>	\$OBJ	NULLFILE	(Dummy)			
	NEW, DEL	>	\$PLS	NULLFILE	(Dummy)			
	NEW, DEL	>	\$TEXT	NULLFILE	(Dummy)			
SPOOL1	SHR,KEEP	>	HASPINDX	ISF.HASPI	NDX			
ZDR21B	SHR,KEEP	>	ISPILIB	ISP.SISPS	AMP			
	MOD,DEL	>	ISPLIST		- J41R	Subsystem	file	
ZDR21B	SHR,KEEP	>	ISPLLIB	GIM.SGIML	MDO			
ZDR21B	SHR,KEEP	>		SYS1.DFQL	LIB			
ZDR21B	SHR,KEEP	>		SYS1.DGTL	LIB			
ZDR21B	SHR,KEEP	>		SYS1.SCBD	HENU			
	MOD,DEL	>	ISPLOG		- J41R	Subsystem	file	
ZDR21B	SHR,KEEP	>	ISPMLIB	SYS1.SERB	MENU			
ZDR21B	SHR,KEEP	>		GIM.SGIMM	ENU			
Command =	===> load ief	Ebr14					Scro	DII ===> PAGE
F1=Help	F2=Split	F3=	=Exit	F5=Rfind	F7=Up	F8=Dc	wn	F9=Swap
F10=Left	F11=Right	F12=	=Cancel					

• ... if successful, ISRDDN shows the module statistics....



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• ... and the "object code."



You can ask ISRDDN to "disassemble" the load module with the DISASM command



• You will be asked if you are authorized to do this...



You may have to scroll down to enter "YES"...

```
IEFBR14.PLPA.Start:00D6E000.Size:00000008 Line 00000000 Col 001 080
BROWSE
            +0 (00D6E000)
                 1BFF07FE 00000000
                                                   * . . . . . . . .
          *** WARNING ***
                             *** WARNING ***
                                                    More:
              You are not authorized to use this function to
              disassemble, copy or create assembly listings
              or disassembled Assembler Language source code
              in violation of any contractual or other legal
              obligation. You are authorized to use this function
              only for code for which you have verified you have
              the right to perform disassembly.
              Only type YES to proceed if you believe you have the
              legal right to view the disassembled code.
                Type YES to proceed . . . YES
                Disassemble from offset . 0000000
Command ===>
              F1=HELP
                           F2=SPLIT
                                       F3=END
                                                    F4=RETURN
                                                                 PAGE
F1=HELP
               F5=RFIND
                           F6=RCHANGE
                                       F7=UP
                                                   F8=DOWN
                                                                 GE
F7=UP
                                                                 EVE
```

• ...and if you say "yes", your module is disassembled.

BROWSE *********	IEFBR *****	14.PLI *****	PA.Sta *****	rt:00D *****	6E000. Top o	Size:00 f Data	8000000 *****	3 I ****	Line 00	00000	0 Col *****	001 ( *****	)80 * * * *
(00D6E000)		+0	1BFF		AO	000000	SR	F	R15,R15				
(00D6E002)		+2	07FE				BR	F	R14				
(00D6E004)		+4	0000	0000			DC	Х'С	0000000	0'			
*******	*****	* * * * * *	*****	****	Bottom	of Dat	ta ****	* * * *	******	****	*****	*****	* * * *
Command ==	==>									Scr	oll ==	==> P <i>P</i>	AGE
F1=HELP	F	2=SPL	ΙT	F3=EN	D	F4=RE	ETURN	F	F5=RFIN	D	F6=R0	CHANGE	E
F7=UP	F	8=DOWI	V	F9=SW	AP	F10=LE	EFT	F1	L1=RIGH	Т	F12=RH	ETRIEN	/Ε

- ISRDDN allows you to browse storage within your address space
  - Storage must be accessible to a key 8, non-authorize, problem state program
  - Command syntax is similar to TSO TEST/TESTAUTH
  - Can list arrays using the ARRAY format instruction
  - Can chain together lists using the CHAIN command
  - Can format lists of pointers using the ARRAYP
- Some interesting storage locations:
  - CVT: 10.?
  - RCVT: 10.?+3E0?
  - List of General Resource Classes: 10.?+3e0?+BC

 BROWSE let's you look at storage in your address space, accessible by non-authorize programs

			Current	Data Set Allocations Row 1 of 122
Volume	Dispositior	n Act	DDname	Data Set Name Actions: B E V M F C I Q
	NEW, DEL	>	\$ASM	NULLFILE (Dummy)
	NEW, DEL	>	\$CLIST	NULLFILE (Dummy)
	NEW,DEL	>	\$CNTL	NULLFILE (Dummy)
	NEW,DEL	>	\$LIST	NULLFILE (Dummy)
	NEW,DEL	>	\$LOAD	NULLFILE (Dummy)
	NEW,DEL	>	\$OBJ	NULLFILE (Dummy)
	NEW,DEL	>	\$PLS	NULLFILE (Dummy)
	NEW,DEL	>	\$TEXT	NULLFILE (Dummy)
SPOOL1	SHR,KEEP	>	HASPINDX	ISF.HASPINDX
ZDR21B	SHR,KEEP	>	ISPILIB	ISP.SISPSAMP
	MOD,DEL	>	ISPLIST	J41R Subsystem file
ZDR21B	SHR,KEEP	>	ISPLLIB	GIM.SGIMLMD0
ZDR21B	SHR, KEEP	>		SYS1.DFQLLIB
ZDR21B	SHR, KEEP	>		SYS1.DGTLLIB
ZDR21B	SHR, KEEP	>		SYS1.SCBDHENU
	MOD,DEL	>	ISPLOG	J41R Subsystem file
ZDR21B	SHR, KEEP	>	ISPMLIB	SYS1.SERBMENU
ZDR21B	SHR, KEEP	>		GIM.SGIMMENU
Command =	==> browse 1	.0.?+3	3e?	Scroll ===> PAGE
F1=Help	F2=Split	F3=	=Exit	F5=Rfind F7=Up F8=Down F9=Swap
F10=Left	F11=Right	F12=	-Cancel	

.

 Offset, address, hex data, and EBCDIC representation of the hex data is shown. Offset +BC in the RCVT is the class descriptor table.

BROWSE	STORAGE.	.Start: 00FB	3B578				10.?+3E03	?
* * * * * * * * *	**********	* * * * * * * * * * * * *	*** Top of	E Data **'	* * * * * * * * * *	***	* * * * * * * * * * * * * * * * * * * *	Ł
+0	(00FBB578)	D9C3E5E3	00AE4368	00AE43C0	083BF000	*	RCVT{	k
+10	(00FBB588)	00000000	083B4000	00000000	00000000	*	••••••	k
+20	(00FBB598)	00000000	00F02A28	0000BE90	00AE43F0	*		k
+30	(00FBB5A8)	00000000	103D000C	D9C1C3C6	C4D9E5D9	*	RACFDRVR '	k
+40	(00FBB5B8)	4BD9C1C3	C6F3F1C4	40404040	40404040	*	.RACF31D *	k
+50	(00FBB5C8)	40404040	40404040	40404040	40404040	*	٢	k
+60	(00FBB5D8)	40404040	E2E8E2F1	4BE4C1C4	E2404040	*	SYS1.UADS '	k
+70	(00FBB5E8)	40404040	40404040	40404040	40404040	*	۲	k
+80	(00FBB5F8)	40404040	40404040	40404040	40404040	*	٢	k
+90	(00FBB608)	E2D7D6D6	D3F13000	00030E1E	80BE7DFC	*	SPOOL1'. '	k
+A0	(00FBB618)	00000000	00000000	00BC0920	08000000	*	••••••••••••••••	k
+B0	(00FBB628)	00000000	00000000	00000000	00FBD330	*	······································	k
+C0	(00FBB638)	00B118F8	00BF2000	00000000	00000000	*	8	k
+D0	(00FBB648)	00000000	80B06D88	863BB000	00000000	*	hf '	k
+E0	(00FBB658)	084330B0	00CE5E48	00C05B08	00000000	*	····· ; · · { \$ · · · · · · · · · · · · · · · ·	k
+F0	(00FBB668)	01000000	00000000	00000000	00000000	*	••••••••••••••••	k
+100	(00FBB678)	00000000	00000000	00000000	00000000	*	· · · · · · · · · · · · · · · · · · ·	k
+110	(00FBB688)	00000000	00000000	00000000	00000000	*	••••••••••••••••	k
+120	(00FBB698)	00000000	00000000	00000000	00000000	*	· · · · · · · · · · · · · · · · · · ·	k
Command	===> browse	e 10.?+3e07	?+BC?				Scroll ===> PAGE	Ξ

 Data which is stored as an array of data values can be shown formatted into entries using the ARRAY keyword. Consider the list of classes at 10.?+3e0?+BC? Each entry is 1C bytes long. We can format that with ARRAY 200 1C

BROWSE	STORAGE	Start: 00FE	3D330		Line	00	00000 10.?+3E0?+BC?
*******	* * * * * * * * * * * * *	* * * * * * * * * * *	*** Top o:	f Data ** <sup>,</sup>	* * * * * * * * * * *	* * *	******
+0	(00FBD330)	001C49D9	E5C1D9E2	D4C2D9D9	C1C3C6E5	*	RVARSMBRRACFV *
+10	(00FBD340)	C1D9E227	F0F00102	022383E0	001C4AD9	*	ARS.00c\¢R *
+20	(00FBD350)	C1C3C6E5	C1D9E2D9	E5C1D9E2	D4C2D908	*	ACFVARSRVARSMBR. *
+30	(00FBD360)	F0E00192	02238478	001C01E2	C5C3D3D4	*	0\.kdSECLM *
+40	(00FBD370)	C2D940E2	C5C3D3C1	C2C5D304	F0F00102	*	BR SECLABEL.00 *
+50	(00FBD380)	02238510	001C3AE2	C5C3D3C1	C2C5D3E2	*	eSECLABELS *
+60	(00FBD390)	C5C3D3D4	C2D94008	C0E00192	022385A8	*	ECLMBR .{\.key *
+70	(00FBD3A0)	001C05C4	C1E2C4E5	D6D340C7	C4C1E2C4	*	DASDVOL GDASD *
+80	(00FBD3B0)	E5D6D306	E0E0007A	02238640	001C27C7	*	VOL.\\.:fG $*$
+90	(00FBD3C0)	C4C1E2C4	E5D6D3C4	C1E2C4E5	D6D34006	*	DASDVOLDASDVOL . $*$
+A0	(00FBD3D0)	E0E000E2	022386D8	001C06E3	C1D7C5E5	*	\\.SfQTAPEV *
+B0	(00FBD3E0)	D6D34040	40404040	40404006	E0E00062	*	OL .\\ *
+C0	(00FBD3F0)	02238770	001C07E3	C5D9D4C9	D5C1D3C7	*	gTERMINALG *
+D0	(00FBD400)	E3C5D9D4	C9D5D308	E0E0005A	02238808	*	TERMINL.\\.!h. *
+E0	(00FBD410)	001C2AC7	E3C5D9D4	C9D5D3E3	C5D9D4C9	*	GTERMINLTERMI *
+F0	(00FBD420)	D5C1D308	E0E000C2	022388A0	001C08C1	*	NAL.\\.BhA *
+100	(00FBD430)	D7D7D340	40404040	40404040	40404008	*	PPL · *
+110	(00FBD440)	C0E0011E	02238938	001C09E3	C9D4E240	*	$\{ \ \ldots i \ldots TIMS \ *$
+120	(00FBD450)	404040C7	C9D4E240	40404008	E0E00102	*	GIMS .\\ *
Command	===> array 2	200 1C					Scroll ===> PAGE
F1=HELE	F2=SP	LIT F3=	=END	F4=RETU	RN F5=R	FIN	ID F6=RCHANGE
F7=UP	F8=DO	WN F9=	=SWAP	F10=LEFT	F11=R	IGH	HT F12=RETRIEVE

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#### • The formatted result:

BROWSE	STORAGE.	.Start: 00FB	BD330		Line	00	000001 Col 001 08	30
+1	(00FBD330)	001C49D9	E5C1D9E2	D4C2D9D9	C1C3C6E5	*	RVARSMBRRACFV	*
	(00FBD340)	C1D9E227	F0F00102	022383E0		*	ARS.00c\	*
+2	(00FBD34C)	001C4AD9	C1C3C6E5	C1D9E2D9	E5C1D9E2	*	¢RACFVARSRVARS	*
	(00FBD35C)	D4C2D908	F0E00192	02238478		*	MBR.0\.kd.	*
+3	(00FBD368)	001C01E2	C5C3D3D4	C2D940E2	C5C3D3C1	*	SECLMBR SECLA	*
	(00FBD378)	C2C5D304	F0F00102	02238510		*	BEL.00e.	*
+4	(00FBD384)	001C3AE2	C5C3D3C1	C2C5D3E2	C5C3D3D4	*	SECLABELSECLM	*
	(00FBD394)	C2D94008	C0E00192	022385A8		*	BR . $\{ \\ .key$	*
+5	(00FBD3A0)	001C05C4	C1E2C4E5	D6D340C7	C4C1E2C4	*	DASDVOL GDASD	*
	(00FBD3B0)	E5D6D306	E0E0007A	02238640		*	VOL.\\.:f	*
+6	(00F,BD3BC)	001C2/C/	C4CIE2C4	E5D6D3C4	CIE2C4E5	*	GDASDVOLDASDV	*
	(00FBD3CC)	D6D34006	E0E000E2	022386D8		*	OL .\\.SfQ	*
	(00000000)	00100(	01070505		40404040	+		+
+/	(UUFBD3D8)	UUICU6E3	CID/C5E5	06034040	40404040	*	· · · TAPEVOL	
	(UUFBD3E8)	40404006	EUEUUU62	02238770		*	.\\g.	*
Command	===>						Scroll ===> PAG	ĴΕ
F1=HELE	F2=SI	PLIT F3=	=END	F4=RETU	RN F5=RI	FIN	ID F6=RCHANGE	
F7=UP	F8=D0	DWN F9=	=SWAP	F10=LEFT	F11=R1	IGH	T F12=RETRIEVE	6

#### **ENQs**

• The ENQ Command Lets you look at the ENQs on your system. The default view is for SYSDSN for your current user ID.

System	Row 1 of 104			
Scroll LEFT or RIGHT to s	ee type or s	system name	֥	
Major name prefix SYSDSN Minor name prefix	(SYSDSN, S	SPFEDIT, et	c)	(dsn etc)
Address id prefix NOTAUTH System prefix	(Job name, (System na	, User id, ame)	etc)	
Major Minor				Job Name
<pre>  SYSDSN   AOP.SAOPEXEC   SYSDSN   AOP.SAOPMENU   SYSDSN   AOP.SAOPPENU   SYSDSN   CBC.SCCNUTL   SYSDSN   CSF.SCSFCLIO   SYSDSN   CSF.SCSFMSGO   SYSDSN   CSF.SCSFPNLO   SYSDSN   CSF.SCSFSKLO   SYSDSN   CSF.SCSFSKLO   SYSDSN   CSF.SCSFTLIB   SYSDSN   EOX.SEPHCLB1   SYSDSN   EOX.SEPHMSG1</pre>			Gov	INOTAUTHINOTAUTHINOTAUTHINOTAUTHINOTAUTHINOTAUTHINOTAUTHINOTAUTHINOTAUTHINOTAUTHINOTAUTHINOTAUTHINOTAUTHINOTAUTHINOTAUTHINOTAUTH
F1=Help F2=Split F3=Exit	F5=Rfind	F7=Up	F8=Down	F9=Swap
F10=Left F11=Right F12=Cancel				



• The ENQ Command Lets you look at the ENQs on your system. The default view is for SYSDSN for your current user ID.

		Row 1 of		
Scroll LEFT or	RIGHT to see	type or system name.		
Major name prefix Minor name prefix Address id prefix	. SYSZRACF	(SYSDSN, SPFEDIT, etc) (Job name, User id, etc)		(dsn etc)
Major Minor	•	(System Hame)		Job Name
SYSZRACF   RACF	'D9C1C3C6'X		+-	+ RACF
			+-	I

# VANGUARDSECURITY & COMPLIANCE

ISRFIND

# VANGUARDSECURITY & OSECURITY &

ISPF Primary Option Menu z/0S 02.03.00

Option ===> TSO ISRFIND

User Guide

U

Settings Calendar 0 Terminal and user parameters < View Display source data or listings September 2019 1 Edit Create or change source data Su Mo Tu We Th Fr Sa 2 Perform utility functions Utilities 1 2 3 4 5 6 7 3 Interactive language processing Foreground 8 9 10 11 12 13 14 4 5 Batch Submit job for language processing 15 16 17 18 19 20 21 Enter TSO or Workstation commands 6 Command 22 23 24 25 26 27 28 7 Dialog Test Perform dialog testing 29 30 11 Workplace ISPF Object/Action Workplace Time . . . . : 11:11 Group Invoke your group's custom menu Day of year. : G Met Menu - additional products Μ MET

Met TSO Environment user guide

Enter X to Terminate using log/list defaults

>

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## VANGUARDSECURITY & ONE COMPLIANCE

K????JC /PE	APPLID - ISR ISPF LVL - ISPF 7.3 PDF LVL - PDF 7.3 TIME - 23:21		
DD Name	==>	DD to search (blank for all)	
Dataset info	==>	(blank) for no dataset info r B for BASIC info (DSORG RECFM F for FULL info (BASIC+ALLOC	equired LRECL BLKSIZE /USAGE+DIRECTORY
Member Name LOADMOD	==> <mark>SMF1</mark> ==>	Member to search for (not req Y if the member a LOADMOD. (adds <b>Search</b> of the LPA, LP.	uired) ALIST and LINKLIST)
Save Data	==>	<pre>(blank) do not save ISRFIND o S Save data in new dataset</pre>	utput

'K???JC.ISRFIND.SAVE'

K???JC ===>	Row 55 to 72 of 100
S DD/DATASET	MEMBER
SYS1.SBPXTENU K???P.ISP.ISPTLIB	
<pre>&gt;&gt; ISPSLIB &lt;&lt; _ SYSTSO.MET.L3.ISPSLIB _ SYS1.SISPSENU _ SYS1.SISPSLIB _ K????P.ISP.ISPSLIB</pre>	
<pre>&gt;&gt; SYSPROC &lt;&lt; _ SYSTSO.MET.L3.CLIST _ SYS1.SISPCLIB _ SYS1.SBPXEXEC</pre>	
<pre>B K????JC.A.CLIST _ K????P.ISP.ISPCLIB _ K????T.GROUP.CLIST _ SYSCMN.PROD.CLIST _ K????TD1.DB2DBU.CLIST</pre>	SMF1

## VANGUARDSECURITY & OSECURITY &

Just a simple example of ISREDIT to manipulate date in a VIEW or Edit session.

/\* REXX \*/ **ISREDIT MACRO** ISREDIT 'COL' ISREDIT 'CAPS OFF' ISREDIT 'RECOVERY ON' **ISREDIT 'NULLS OFF'** ISREDIT 'BNDS 1 3497' ISREDIT 'X ":" 022 ALL' ISREDIT 'DEL NX ALL' ISREDIT 'C " " "`" 001 ALL' ISREDIT 'C "-" "`" ALL' 001 ISREDIT 'C "0" "`" ALL' 001 ISREDIT 'C "1" "`" ALL' 001 ISREDIT 'C P"." "" ALL' ISREDIT "RES" ISREDIT 'C " " "`" 020 039 ALL'

#### Questions



#### **Contact Information**

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### Session Evaluation

Be sure to rate your experience using the VSC2019 app.

Your opinion helps us bring you the best experience. Please let us know your thoughts.

III Sprint LTE	11:03 AM Details	7 🛛 🕯 90% 🔲	•III Sprin
BA: Tu	S 01 - RACF Over Jesday, September 11, 2 9:00 AM - 10:15 AM	<b>view</b> 2018	Your event
	Add to My Agence	la	Т
Like		☆☆☆ Rate	
Personal Notes			
	Take Notes		
Write a comment:			
Type your comment h	ere:		
	_		
		Comment	
			lc
	<u></u>		
Home Agenc	a Attendees C	여munity Messages	ы Hom


## VANGUARDSECURITY & OSECURITY &



Mark Nelson, CISSP, CSSLP, IBM Joe Cronin, IBM

## **ISPF for the Security Professional**

**ESM07**