SDSF – Beyond the Basics

Bruce Koss
Wells Fargo

Thursday, August 7, 2014
4:15 PM-5:15 PM
16185

www.SHARE.org

#SHAREorg

Copyright (c) 2014 by SHARE Inc. Except where otherwise noted, this work is licensed under http://creativecommons.org/licenses/by-nc-sa/3.0/

SHARE in Pittsburgh 2014

Objective

- Introduction on how to configure and personalize the screens, execute SDSF in batch jobs and code SDSF REXX programs
- Links are provided to SHARE presentations and IBM manuals to assist in learning SDSF
- May need to adjust Adobe Reader zoom value to view text
- Disclaimer
  - Security may prevent access to panels or executing commands
  - Does not contain information on SDSF Action Bar
  - Does not cover all SDSF and SDSF REXX commands
  - Limited information on JES3, mostly JES2

Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

Agenda

Subject	Topics
Overview	ISPF vs. TSO, Panels
NP Commands	NP Column, NP Commands, NP Example
Primary Commands	KEYS, ?, SET ACTION, SET DISPLAY, PREFIX, OWNER, S, SYSNAME, ARRANGE, FILTER, SORT, SEARCH, WHO
LOG	OPERLOG vs. SYSLOG, LOG OPERLOG, LOG SYSLOG, SYSID, ACTION, FINDLIM, LOCATE, FILTER, PRINT, /, SET CONSOLE
Batch	Status of Jobs, LOG, ULOG
REXX	REXXHELP, COLSHELP, ULOG, DA ALL
Links	Manuals, SHARE, Websites

Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

Overview

ISPF vs. TSO

- ISPF
  - From ISPF menu select SDSF
  - Menu bar displayed at top of screen
  - Can save customization of environment

- TSO
  - From TSO READY screen type in SDSF
  - Or from within ISPF type in TSO SDSF
  - No menu bar at top of screen
  - Can NOT save customization of environment

Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

Panels

Option	Panel	Description
CK	Health checker	Display information from IBM Health Checker for z/OS about the active checks
CKH	Health check history	Display instances of a check when the “L” command is typed next to a specific health check from the CK panel
DA	Active users	Display information about MVS address spaces (jobs, started tasks and TSO users) that are running
ENC	Enclaves	Display WLM enclaves
H	Held output queue	Display information about SYSOUT data sets for jobs, started tasks and TSO users on any held JES output queue
I	Input queue	Display information about JES-managed and WLM-managed initiators
INIT	Initiators	Display information about JES initiators defined in the active JES on their CPUs
JC	Job classes	Display and control the job classes in the JES2 MAS or JES3 JESPLEX
?	Job data set	Display information about SYSOUT data sets for a selected jobs, started tasks and TSO users. When the JDS panel is accessed from the DA, I, or ST panel, the values for all the columns are obtained from the spool data set. When the JDS panel is accessed from the H or O panel, the values for some columns are obtained from in-storage control blocks
JP (MAS)	JESPLEX	Display and control the members in a JES3 JESPLEX. Will display the Multi-Access Spool (MAS) panel when executed in a JES2 environment
LI	Lines	Display information about JES lines and their associated transmitters and receivers

Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

Panels

Option	Panel	Description
MAS (JP)	Multi access spool	Display and control the members in a JES2 MAS
NC	Network connection	Display information about JES networking connections to an adjacent node
NO	Nodes	Display information about JES nodes
NS	Network server	Display information about JES server-type networking devices on the node
O	Output	Display information about SYSOUT data sets for jobs, started tasks and TSO users on any nonheld JES output queue
OD	Output descriptor	Display JES output descriptors. In a JES2 environment, columns can be overtyped only if you accessed the OD panel from the O or H panel, or from a JDS panel that was accessed from the O or H panel. When you overtype a column on the OD panel, the change applies to all data sets for that group
PR	Printers	Display information about JES printers and jobs being printed
PS	Processes	Displays information about z/OS UNIX System Services processes
PUN	Punches	Display information about JES punches and jobs being punched
RDR	Readers	Display information about JES readers and jobs being processed by readers
RES	WLM resources	Display information about WLM resources in a scheduling environment, or in the sysplex
RM	Resource monitor	Shows information about JES2 resources
SE	Scheduling environment	Display information about scheduling environments

Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

Panels

Option	Panel	Description
SO	Spool offload	Display information about JES2 spool offloaders and their associated transmitters and receivers
SP	Spool volumes	Display and control JES spool volumes
SR	System requests	Display information about reply and action messages
ST	Status	Display information about jobs, started tasks and TSO users on the JES queues

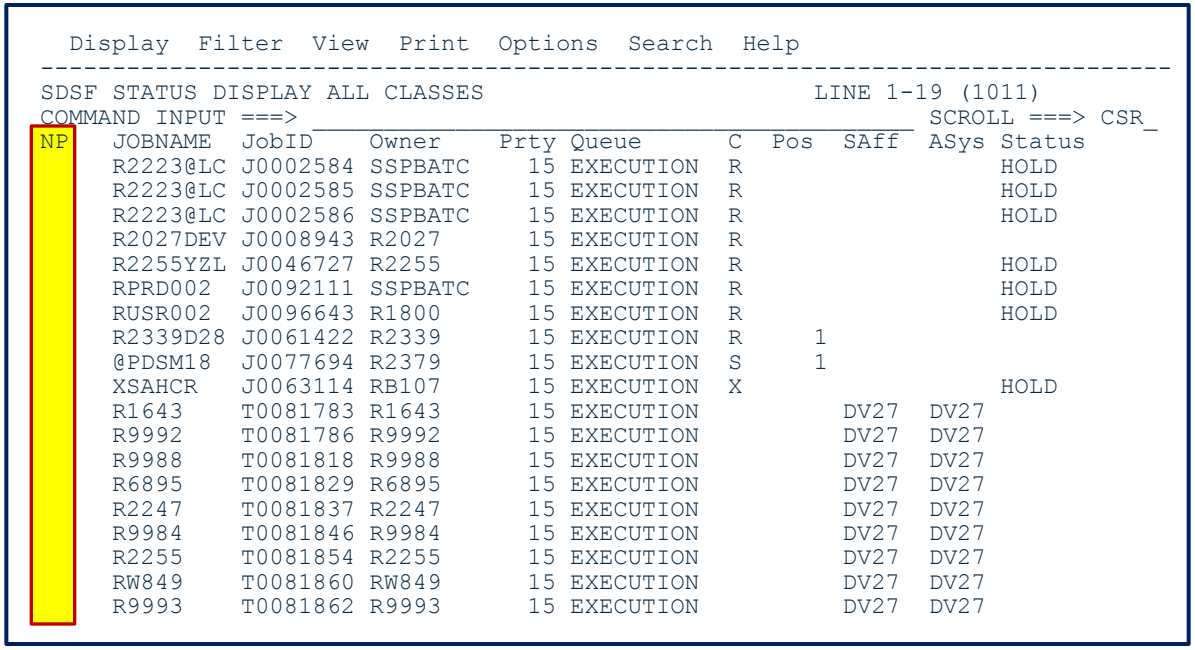
Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

NP Commands

Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

NP Column

- What does the "NP" column stand for/mean?
  - Possibly "Non-Protected" or "iNPut" field
  - The answer is not documented anywhere in the SDSF manuals which refer to NP commands as action characters



```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF STATUS DISPLAY ALL CLASSES                      LINE 1-19 (1011)
COMMAND INPUT ===> _____________________________________ SCROLL ===> CSR_
NP    JOBNAME  JobID    Owner    Prty Queue      C  Pos  SAff  ASys Status
      R2223@LC J0002584 SSPBATC    15 EXECUTION  R                  HOLD
      R2223@LC J0002585 SSPBATC    15 EXECUTION  R                  HOLD
      R2223@LC J0002586 SSPBATC    15 EXECUTION  R                  HOLD
      R2027DEV J0008943 R2027      15 EXECUTION  R
      R2255YZL J0046727 R2255      15 EXECUTION  R                  HOLD
      RPRD002  J0092111 SSPBATC    15 EXECUTION  R                  HOLD
      RUSR002  J0096643 R1800      15 EXECUTION  R                  HOLD
      R2339D28 J0061422 R2339      15 EXECUTION  R     1
      @PDSM18  J0077694 R2379      15 EXECUTION  S     1
      XSAHCR   J0063114 RB107      15 EXECUTION  X                  HOLD
      R1643    T0081783 R1643      15 EXECUTION        DV27  DV27
      R9992    T0081786 R9992      15 EXECUTION        DV27  DV27
      R9988    T0081818 R9988      15 EXECUTION        DV27  DV27
      R6895    T0081829 R6895      15 EXECUTION        DV27  DV27
      R2247    T0081837 R2247      15 EXECUTION        DV27  DV27
      R9984    T0081846 R9984      15 EXECUTION        DV27  DV27
      R2255    T0081854 R2255      15 EXECUTION        DV27  DV27
      RW849    T0081860 RW849      15 EXECUTION        DV27  DV27
      R9993    T0081862 R9993      15 EXECUTION        DV27  DV27
```

NP Commands

- The next few slides list all NP commands in alphabetical order and
  - SDSF action or MVS/JES2 commands being issued
  - Valid panels
  - Command level

- Command Level
  - Distinguishes the security access required when using ISFPARMS
    - Wells Fargo and other companies no longer use ISFPARMS
    - Instead, ACF2, RACF, TSS or a SAF-compliant External Security Manager (ESM) is used to control access to SDSF commands
  - Each command level is inclusive of all those with a lower number
    - For example, a user with a command level of 3 can perform the functions requiring a command level of 3, 2, 1 and 0

- Highlighted in yellow are probably the most used NP commands

Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

NP Commands

NP Command	SDSF Action or MVS/JES2 Commands Issued	Valid Panels	Command Level
+	Expand NP column width	All tabular panels except OD	0
//	Block command	All tabular panels except OD	0
=	Repeat command	All tabular panels except OD	0
?	List job data sets	DA, H, I, O, OD, ST	0
A	$TO (Set output)	H, O	2
A	F (Modify activate)	CK	3
A	$A (Release)	DA, I, ST	3
AI	SETAUTOR	SR	3
Bx	$B (Back space)	PR, PUN	3
C	$C (Cancel)	DA, H, I, JDS, O, ST, LI, NO, PR, PUN, RDR, SO	2
C	$CO (Cancel)	H, O	2
C	C	NC	3
C	C (Cancel)	PS	3
C	KC	SR	3
CA	$C,ARMRESTART	DA, I, ST	2

Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

NP Commands

NP Command	SDSF Action or MVS/JES2 Commands Issued	Valid Panels	Command Level
CD	$C (Cancel, dump)	DA, I, ST	2
CDA	$C,D,ARMRESTART	DA, I, ST	2
D	$D (Display)	DA, I, ST, INIT, JC, LI, MAS, NC, NO, NS, PR, PUN, RDR, RM, SO, SP	1
D	D (Display)	PS, RES, SE, SR	1
D	F (Modify display)	CK	3
DA	$D (Display)	NS	1
DC	$D (Display)	NO	1
DL	$D (Display)	DA, I, ST, INIT, NC, NS, PR, PUN, RDR, SP	1
DL	F (Modify display)	CK	3
DP	$D (Display)	NO	1
DP	F (Modify display)	CK	3
DPO	F (Modify display)	CK	3
DS	$D (Display)	NS	1
DS	F (Modify display)	CK	3
E	Erase output descriptors	OD	2

NP Commands

NP Command	SDSF Action or MVS/JES2 Commands Issued	Valid Panels	Command Level
E	$E (Restart)	DA, I, ST, LI, NO, PR, PUN, SO	2
E	F (Modify refresh)	CK	3
E	$E (Restart)	NC, NS	3
ES, ESH	$E (Restart)	DA, I, ST	2
Fx	$F (Forward space)	PR, PUN	3
H	$H (Hold)	DA, I, ST	2
H	$TO (Set output)	H, O	2
H	SSI	JDS	2
H	F (Modify deactivate)	CK	3
H	$H (Hold)	JC	3
I	Display more information	ENC, I, ST	0
I	$I (Interrupt)	PR, PUN	3
I	$T (Set)	LI	3
J	$J	MAS	1
J	$D (Display)	SP	1
J	$SJ (Start)	I, ST	3

NP Commands

NP Command	SDSF Action or MVS/JES2 Commands Issued	Valid Panels	Command Level
JD	$J	MAS	1
JH	$J	MAS	1
JJ	$J	MAS	1
JS	$J	MAS	1
K	C (Cancel)	DA	3
P	$P (Stop)	NC, NS	3
PC	$P (Stop)	SP	3
PF	F (Modify delete, force)	CK	3
PP	$C (Purge protected)	DA, I, ST	2
Q	Display output descriptors	DA, H, I, JDS, O, ST	0
Q	$T (Set)	LI	3
R	Display WLM resources	SE	0
R	F (Modify run)	CK	3
R	RESET (RMF)	DA	3
R		ENC	3
R	R (Reply)	SR	3

Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

NP Commands

NP Command	SDSF Action or MVS/JES2 Commands Issued	Valid Panels	Command Level
RQ	RESET (RMF)	DA	3
RQ		ENQ	3
S	Display check results or job data sets	CK, CKH, DA, H, I, JDS, O, OD, ST	0
S	$S (Start)	INIT, LI, MAS, PR, PUN, RDR, SO, SP	3
S	$S (Start)	NC, NS	3
SB	Display check results or browse job data sets	CK, CKH, DA, H, I, JDS, O, OD, ST	0
SBI	Browse REXX input data set using ISPF browse	CK	0
SBO	Browse REXX output data set using ISPF browse	CK	0
SE	Display check results or edit job data sets	CK, CKH, DA, H, I, JDS, O, OD, ST	0
SEI	Edit REXX input data set using ISPF browse	CK	0
SEO	Edit REXX output data set using ISPF browse	CK	0
SJ	Display check results or job data sets	DA, H, I, JDS, O, OD, ST	0
SN	$S (Start)	NC, NO	3
SR	$S (Start)	SO	3
ST	Display associated jobs	JC, SE	0
ST	Display ST	JC	1

NP Commands

NP Command	SDSF Action or MVS/JES2 Commands Issued	Valid Panels	Command Level
ST	$S (Start)	SO	3
T	F (Modify)	PS	3
U	F (Modify update, repcat)	CK	3
V	View CSR_-mode data	JDS, OD	0
W	$T (Set)	DA, I, JDS, ST	2
X	Print data set	CK, CKH, DA ,H, I, JDS, O, OD, ST	0
XC	Print data set and close print file	CK, CKH, DA ,H, I, JDS, O, OD, ST	0
XD, XDC	Print data set using Open Print Data Set panel	CK, CKH, DA ,H, I, JDS, O, OD, ST	0
XF, XFC	Print data set using Open Print File panel	CK, CKH, DA ,H, I, JDS, O, OD, ST	0
XS, XSC	Print data set using Open Print panel for SYSOUT	CK, CKH, DA ,H, I, JDS, O, OD, ST	0
Y	P (Stop) (RMF)	DA	3
Y	STOP	NS	3
Z	$Z (Halt)	INIT, PR, PUN, RDR, SP	3
Z	FORCE	DA	3
Z	FORCE	NS	3

NP Example

- Save four reports to a data set using the XD, X and XC commands

```
  Display  Filter  View  Print  Options  Search  Help
------------------------------------------------------------------------------
SDSF JOB DATA SET DISPLAY - JOB R2221DF1 (J0112337)    LINE 1-9 (9)
COMMAND INPUT ===> _____________________________________________ SCROLL ===> CSR_
NP    DDNAME   StepName ProcStep DSID Owner    C Dest          Rec-Cnt
      JESJCLIN                    1 R2221    T                    25
      JESMSGLG JES2               2 R2221    T LOCAL              18
      JESJCL   JES2               3 R2221    T LOCAL              26
      JESYSMSG JES2               4 R2221    T LOCAL              61
      $INTTEXT JES2               5 R2221    A                    17
XD    DAFCS    DAF              101 R2221    T                     1
X     DAFLOG   DAF              102 R2221    T LOCAL             582
X     DAFSNAP  DAF              105 R2221    T LOCAL              40
XC    DAFSTAT  DAF              106 R2221    T LOCAL             130
```


Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

Primary Commands

Primary Commands

- The next few slides demonstrate how to customize the SDSF screens
- These commands can be executed from any panel or accessed from the action bar located above the primary command line
- A question mark (?) can be passed as a parameter to display a pop-up panel on most commands
- After executing these commands, terminate SDSF to ensure the settings are saved

Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

KEYS

- Validate that PF5 is IFIND and PF12 is CRETRIEV
  - ➔ KEYS
- Results

```
                    PF Key Definitions and Labels - Primary Keys
Command ===>

Number of PF Keys . . . 24                          Terminal type  . : 3278

PF1 . . . HELP
PF2 . . . SPLIT
PF3 . . . END
PF4 . . . RETURN
PF5 . . . IFIND
PF6 . . . BOOK
PF7 . . . UP
PF8 . . . DOWN
PF9 . . . SWAP
PF10  . . LEFT
PF11  . . RIGHT
PF12  . . CRETRIEV

PF1  label  . . _________  PF2  label  . . _________  PF3  label  . . _________
PF4  label  . . _________  PF5  label  . . _________  PF6  label  . . _________
PF7  label  . . _________  PF8  label  . . _________  PF9  label  . . _________
PF10 label  . . _________  PF11 label  . . _________  PF12 label  . . _________

Press ENTER key to display alternate keys. Enter END command to exit.
```


Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

?

- Display alternate columns (which are defined in ISFPARMS)
  ➔ ?
- Results

```
  Display  Filter  View  Print  Options  Search  Help
------------------------------------------------------------------------------
SDSF STATUS DISPLAY ALL CLASSES                        LINE 1-4 (4)
COMMAND INPUT ===>                                     SCROLL ===> CSR
NP   JOBNAME  JOBID    OWNER    MC ST-DATE  ST-TIME  QUEUE      ISYS MAX-RC
     R2221TST J0080642 R2221    T  2012.290 12:50:00 PRINT      DV27 CC 0000
     R2221TST J0080640 R2221    T  2012.290 12:49:55 PRINT      DV27 CC 0000
     R2221TST J0080638 R2221    T  2012.290 12:49:49 PRINT      DV27 CC 0000
     R2221    T0080591 R2221    9  2012.290 12:31:35 EXECUTION  DV27
```

SET ACTION [SHORT | LONG | OFF | ?]

- Display action characters (NP commands)
  - ➔ SET ACTION SHORT
- Results

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF STATUS DISPLAY ALL CLASSES                      SET COMMAND COMPLETE
COMMAND INPUT ===>                                            SCROLL ===> CSR
ACTION=//,=,+,?,A,C,CA,CD,CDA,D,DL,E,EC,ES,ESH,H,I,J,L,LL,O,P,PO,PP,Q,S,SB,SE,
ACTION=SJ,W,X,XC,XD,XDC,XF,XFC,XS,XSC
NP    JOBNAME  JobID    Owner    Prty Queue      C  Pos  SAff  ASys Status
      R2223@LC J0002584 SSPBATC    15 EXECUTION  R                  HOLD
      R2223@LC J0002585 SSPBATC    15 EXECUTION  R                  HOLD
      R2223@LC J0002586 SSPBATC    15 EXECUTION  R                  HOLD
      R2027DEV J0008943 R2027      15 EXECUTION  R
      R2255YZL J0046727 R2255      15 EXECUTION  R                  HOLD
      RPRD002  J0092111 SSPBATC    15 EXECUTION  R                  HOLD
      RUSR002  J0096643 R1800      15 EXECUTION  R                  HOLD
      R2339D28 J0061422 R2339      15 EXECUTION  R     1
      @PDSM18  J0077694 R2379      15 EXECUTION  S     1
      XSAHCR   J0063114 RB107      15 EXECUTION  X                  HOLD
      R9991    T0080460 R9991      15 EXECUTION        DV27  DV27
      R9988    T0080462 R9988      15 EXECUTION        DV27  DV27
      R9990    T0080479 R9990      15 EXECUTION        DV27  DV27
      R2253    T0080558 R2253      15 EXECUTION        DV27  DV27
      R9984    T0080571 R9984      15 EXECUTION        DV27  DV27
      R9985    T0080577 R9985      15 EXECUTION        DV27  DV27
```

SET DISPLAY [ON | OFF | ?]

- Display PREFIX, OWNER and other settings
  - ➔ SET DISPLAY
- Results

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF STATUS DISPLAY ALL CLASSES                          LINE 1-18 (912)
COMMAND INPUT ===>                                       SCROLL ===> CSR_
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=
NP    JOBNAME  JobID    Owner    Prty Queue      C  Pos  SAff  ASys Status
      R2223@LC J0002584 SSPBATC    15 EXECUTION  R                  HOLD
      R2223@LC J0002585 SSPBATC    15 EXECUTION  R                  HOLD
      R2223@LC J0002586 SSPBATC    15 EXECUTION  R                  HOLD
      R2027DEV J0008943 R2027      15 EXECUTION  R
      R2255YZL J0046727 R2255      15 EXECUTION  R                  HOLD
      RPRD002  J0092111 SSPBATC    15 EXECUTION  R                  HOLD
      RUSR002  J0096643 R1800      15 EXECUTION  R                  HOLD
      R2339D28 J0061422 R2339      15 EXECUTION  R     1
      @PDSM18  J0077694 R2379      15 EXECUTION  S     1
      XSAHCR   J0063114 RB107      15 EXECUTION  X                  HOLD
      R9991    T0080460 R9991      15 EXECUTION        DV27  DV27
      R9988    T0080462 R9988      15 EXECUTION        DV27  DV27
      R0323    T0080467 R0323      15 EXECUTION        DV27  DV27
      R9990    T0080479 R9990      15 EXECUTION        DV27  DV27
      RW515    T0080504 RW515      15 EXECUTION        DV27  DV27
      R2253    T0080558 R2253      15 EXECUTION        DV27  DV27
      R8262    T0080561 R8262      15 EXECUTION        DV27  DV27
      RB105    T0080562 RB105      15 EXECUTION        DV27  DV27
```

PREFIX [jobname | * | ?]

- Display all job names starting with a particular character string
  - ➔ PRE R2221* ; OWNER *
- Results

```
  Display  Filter  View  Print  Options  Search  Help
------------------------------------------------------------------------------
SDSF STATUS DISPLAY ALL CLASSES                        LINE 1-4 (4)
COMMAND INPUT ===>                                     SCROLL ===> CSR_
PREFIX=R2221*  DEST=(ALL)  OWNER=*  SYSNAME=
NP   JOBNAME   JobID    Owner    Prty Queue      C  Pos  SAff  ASys Status
     R2221     T0080591 R2221      15 EXECUTION       DV27  DV27
     R2221TST  J0080638 R2221       1 PRINT      R   579
     R2221TST  J0080640 R2221       1 PRINT      R   581
     R2221TST  J0080642 R2221       1 PRINT      R   583
```


Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

OWNER [userid | * | ?]

- Display all jobs submitted by a particular userid
  - ➔ OWNER R2221 ; PRE *
- Results

```
  Display  Filter  View  Print  Options  Search  Help
------------------------------------------------------------------------------
SDSF STATUS DISPLAY ALL CLASSES                          LINE 1-4 (4)
COMMAND INPUT ===> _____________________________________ SCROLL ===> CSR_
PREFIX=*  DEST=(ALL)  OWNER=R2221  SYSNAME=
NP   JOBNAME  JobID    Owner    Prty Queue      C  Pos  SAff  ASys Status
     R2221    T0080591 R2221      15 EXECUTION         DV27  DV27
     R2221TST J0080638 R2221       1 PRINT      R   579
     R2221TST J0080640 R2221       1 PRINT      R   581
     R2221TST J0080642 R2221       1 PRINT      R   583
```


Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

S [jobname]

- Display specific job names
  - ➔ S PDSMAN
- Results

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF STATUS DISPLAY ALL CLASSES                          LINE 1-4 (4)
COMMAND INPUT ===>                                             SCROLL ===> PAGE
PREFIX=*  DEST=(ALL)  OWNER=R2221  SYSNAME=*
NP   JOBNAME  JobID    Owner    Prty Queue      C  Pos  SAff  ASys Status
     PDSMAN   S0074532 PDS#MANP   15 EXECUTION          DV21  DV21
     PDSMAN   S0075461 PDS#MANP   15 EXECUTION          DV25  DV25
     PDSMAN   S0076553 PDS#MANP   15 EXECUTION          DV26  DV26
     PDSMAN   S0077723 PDS#MANP   15 EXECUTION          DV22  DV22
```


Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

SYSNAME [lpar | * | ?]

- Display all jobs/started tasks within the sysplex
  - ➔ SYSN *
- Results

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF DA DV27     (ALL)     PAG  0  CPU/L     3/  1      LINE 1-2 (2)
COMMAND INPUT ===> _____________________________________ SCROLL ===> CSR_
PREFIX=VT*  DEST=(ALL)  OWNER=*  SYSNAME=*
NP   JOBNAME   CPU% ASID ASIDX  EXCP-Cnt    CPU-Time SR Status SysName  SPag SCP
     VTAM      0.15   84 0054      41994      146.54            SDV27     0
     VTAM      0.12   80 0050      42826       99.09            SDV28     0
```


Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

ARRANGE [col1] [A|B] [col2] | ?

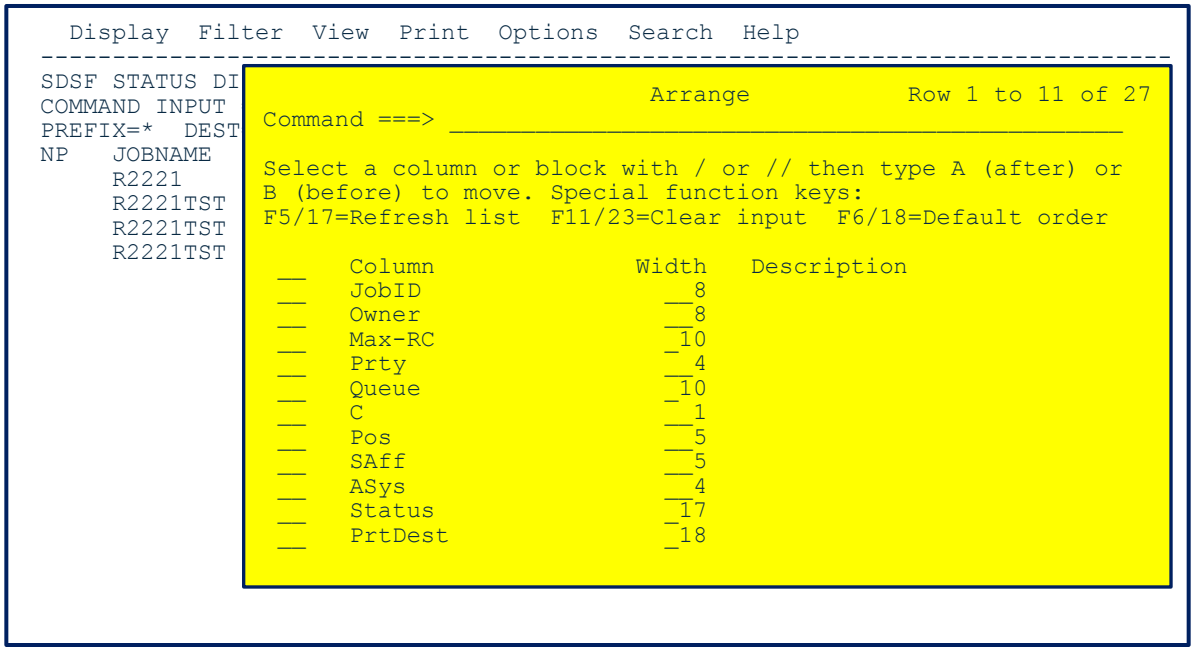
- Move column MAX-RC before column PRTY
  - ➔ ARR MAX-RC B PRTY
- Results

```
  Display  Filter  View  Print  Options  Search  Help
------------------------------------------------------------------------------
SDSF STATUS DISPLAY ALL CLASSES                        LINE 1-4 (4)
COMMAND INPUT ===> _____________________________________ SCROLL ===> CSR_
PREFIX=*  DEST=(ALL)  OWNER=R2221  SYSNAME=*
NP   JOBNAME  JobID    Owner    Max-RC     Prty Queue      C  Pos  SAff  ASys S
     R2221    T0080992 R2221              15 EXECUTION           DV27  DV27
     R2221TST J0080638 R2221    CC 0000     1 PRINT      R   485
     R2221TST J0080640 R2221    CC 0000     1 PRINT      R   486
     R2221TST J0080642 R2221    CC 0000     1 PRINT      R   487
```


Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

ARRANGE ?

- Move columns and change column widths using a pop-up panel
  - ➔ ARR ?
- Results



FILTER [col] [=, etc.] [value] | ? | OFF

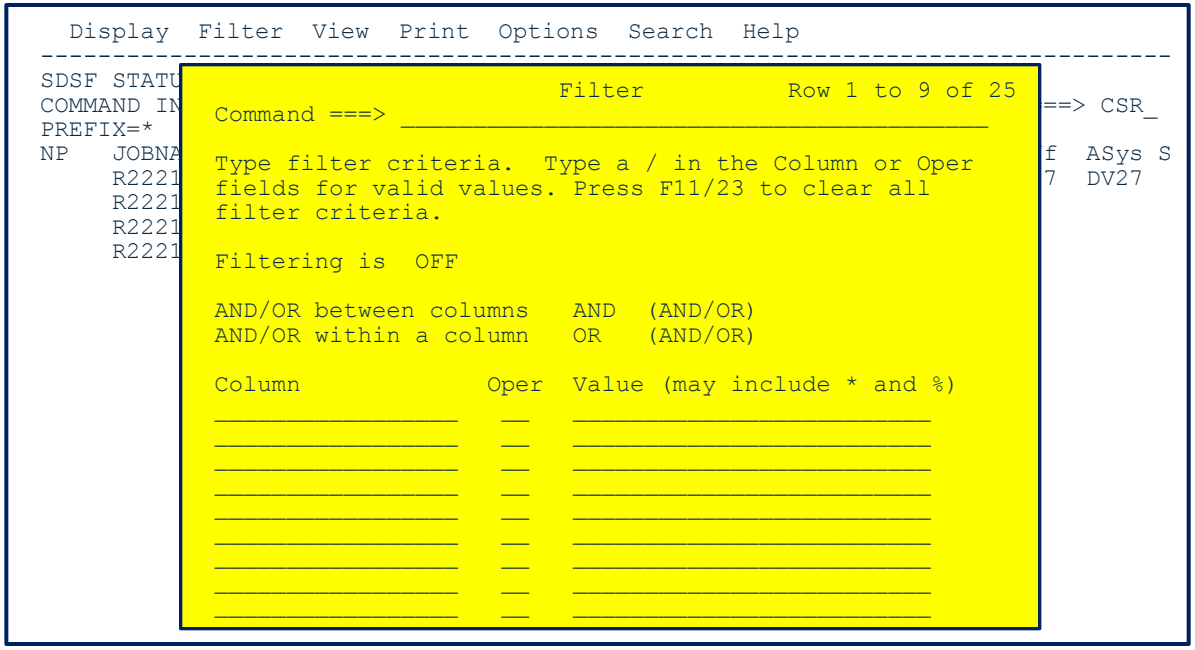
- Display only job names equal to R2221*
  - ➔ FIL JOBNAME = R2221*
- Results

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF STATUS DISPLAY ALL CLASSES                        LINE 1-4 (4)
COMMAND INPUT ===> _____________________________________ SCROLL ===> CSR_
PREFIX=*  DEST=(ALL)  OWNER=*  FILTERS=1  SYSNAME=*
NP   JOBNAME  JobID    Owner    Max-RC     Prty Queue      C  Pos  SAff  ASys S
     R2221    T0080992 R2221                 15 EXECUTION           DV27  DV27
     R2221TST J0080638 R2221    CC 0000       1 PRINT      R   485
     R2221TST J0080640 R2221    CC 0000       1 PRINT      R   486
     R2221TST J0080642 R2221    CC 0000       1 PRINT      R   487
```


Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

FILTER ?

- Filter columns using a pop-up panel
  - ➔ FIL ?
- Results



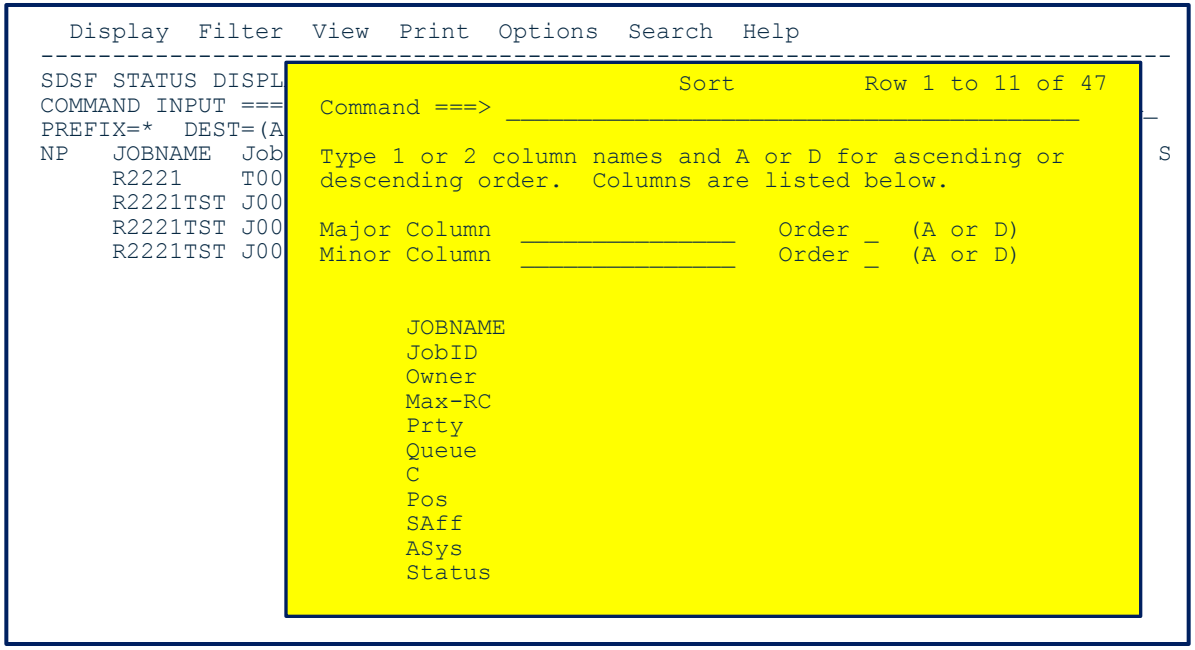
SORT [column] [A|D] | ? | OFF

- Display most recent jobs at top (or oldest using ST-DATE and ST-TIME)
  - ➔ SORT END-DATE D END-TIME D
- Results

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF STATUS DISPLAY ALL CLASSES                        LINE 1-4 (4)
COMMAND INPUT ===> _____________________________________ SCROLL ===> CSR_
PREFIX=*  DEST=(ALL)  OWNER=R2221  SORT=END-DATE//D END-TIME//D  SYSNAME=*
NP   JOBNAME   END-DATE END-TIME  TOT-LINES PRTDEST          SECLABEL ORIGNOD
     R2221TST  2012.290 12:50:00         48 LOCAL                    LOCAL
     R2221TST  2012.290 12:49:55         48 LOCAL                    LOCAL
     R2221TST  2012.290 12:49:49         48 LOCAL                    LOCAL
     R2221     0000.000  0:00:00         42 LOCAL                    LOCAL
```

SORT ?

- Sort columns using a pop-up panel
  - ➔ SORT ?
- Results



SEARCH [text]

- Search and display tutorials on the SORT command
  - ➔ SEARCH SORT
- Results

```
                                  Search Help                Row 1 to 16 of 183
Command ===> ____________________________________________________________________

Search for: SORT_____________________________________________    _ Show titles

_    Select a search result to display the help panel.
_    the value to null sorts the panel using the fixed field (the first
_    4 - SORT Sort data on tabular panels
_    SORT column A D - Sort based on a column, ascending or descending.
_    SORT column A D - Sort based on a column, ascending or descending.
_    SORT column A - Sort based on a column, in ascending order.
_    SORT column A - Sort based on a column, in ascending order.
_    SORT column A - Sort based on a column, in ascending order.
_    SORT column A D - Sort based on a column, ascending or descending
_    SORT column A D - Sort based on a column, ascending or descending.
_    SORT column A D - Sort based on a column, ascending or descending
_    SORT column A D - Sort based on a column, ascending or descending
_    SORT column A - Sort based on a column, in ascending order.
_    SORT column A D - Sort based on a column, ascending or descending
_    SORT column A D - Sort based on a column, ascending or descending
_    SORT column A - Sort based on a column, in ascending order.
```

WHO

- Display ISPF, SDSF and other system information
  - ➔ WHO
- Results

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF STATUS DISPLAY ALL CLASSES                          LINE 1-1 (1)
COMMAND INPUT ===>                                         SCROLL ===> CSR
USERID=R2221,PROC=PANTSOPG,TERMINAL=T#1MCFC,GRPINDEX=1,GRPNAME=SDSFV1R6,
MVS=z/OS 01.13.00,JES=z/OS1.13,SDSF=HQX7780,ISPF=6.3,RMF/DA=NOTACC,SERVER=YES,
SERVERNAME=SDSFWF,JESNAME=JES2,MEMBER=DV27,JESTYPE=JES2,SYSNAME=SDV27,
SYSPLEX=TSAPLEX,COMM=NOTAVAIL,COMMX=ENABLED
```

LOG

OPERLOG vs. SYSLOG

- OPERLOG
  - Operations log (OPERLOG)
  - Is a merged, sysplex-wide system message log
  - It is provided by a log stream
    - Which is a collection of log data used by the MVS System Logger
- SYSLOG
  - Systems log (SYSLOG)
  - Contains a logical partition's (lpar) message log
  - It is a SYSOUT data set produced by job entry subsystem (JES2/3)
    - SYSOUT data sets are output spool data sets on direct access storage devices (DASD)
- SDSF LOG command
  - Used to display the OPERLOG or a single-system's SYSLOG

Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

LOG OPERLOG

- Display the OPERLOG (which is the default)
  - ➔ LOG
- Results

```
  Display  Filter  View  Print  Options  Search  Help
 ------------------------------------------------------------------------------
 SDSF OPERLOG  DATE 10/16/2012     6 WTORS                      COLUMNS 02- 81
 COMMAND INPUT ===> _____________________________________________ SCROLL ===> CSR_
N 0000000 SDV28    12290 16:42:14.76 28       00000210  ANTL8801I XQUERY SDMVMB
N 4000000 SDV28    12290 16:42:14.77 28       00000010  ANTU2515I XQUERY SUMMARY
N 0000000 SDV28    12290 16:42:14.77 28       00000210  ANTL8801I XQUERY SDMVMA
N 4000000 SDV28    12290 16:42:15.57 28       00000010  ANTU2515I XQUERY CONFIGU
N 4000000 SDV28    12290 16:42:15.68 28       00000010  ANTU2515I XQUERY CONFIGU
N 4000000 SDV28    12290 16:42:15.84 28       00000010  ANTU2515I XQUERY CONFIGU
N 4000000 SDV28    12290 16:42:15.87 28       00000010  ANTU2515I XQUERY CONFIGU
N 0020000 SDV27    12290 16:42:19.81 S0080735 00000201  GVB686I  SYS00001 ACB ST
S                                                       VALUES
N 0020000 SDV27    12290 16:42:19.81 S0080735 00000201  GVB105I  SYS00001 BUFSP=
N 0020000 SDV27    12290 16:42:19.82 S0080735 00000201  GVB686I  SYS00003 ACB ST
S                                                       VALUES
N 0020000 SDV27    12290 16:42:19.82 S0080735 00000201  GVB105I  SYS00003 BUFSP=
N 0020000 SDV27    12290 16:42:19.83 S0080735 00000201  GVB686I  $AVRLOCK ACB ST
S                                                       VALUES
N 0020000 SDV27    12290 16:42:19.83 S0080735 00000201  GVB105I  $AVRLOCK BUFSP=
N 4220000 SDV27    12290 16:42:19.84 S0080735 00000201  $AVR455I - BPXAS(S008099
N 0200000 SDV27    12290 16:42:20.13 S0080993 00000201  $HASP250 BPXAS PURGED --
N 0080000 SDV28    12290 16:42:24.47 S0078681 00000201  ETCL300I Database update
N 8000000 SDV27    12290 16:42:24.71 S0080473 00400000  GDP152E ONE OR MORE SESS
```

LOG SYSLOG

- Display the SYSLOG
  - ➔ LOG S
- Results

```
  Display  Filter  View  Print  Options  Search  Help
 ------------------------------------------------------------------------------
 SDSF SYSLOG  78865.106 DV27 DV27 10/16/2012 6W          112,065 COLUMNS 02- 81
 COMMAND INPUT ===> _____________________________________  SCROLL ===> CSR_
M 0020000 SDV27    12290 16:45:31.17 S0078915 00000201  IEC205I SYS10649,DFSMSHS
E                                      626 00000201  DSN=DVPR9.BACKTAPE.DATAS
N 0000000 SDV27    12290 16:45:31.17 27       00000201  IEA989I SLIP TRAP ID=X33
N 0000000 SDV27    12290 16:45:31.17 27       00000201  IEA989I SLIP TRAP ID=X33
N 0000000 SDV27    12290 16:45:31.17 27       00000201  IEA989I SLIP TRAP ID=X33
N 2000000 SDV27    12290 16:45:31.42 S0078915 00000010  TMS014  IEF234E K 07ED,D
N 2000000 SDV27    12290 16:45:31.42 S0078915 00080214  IEF234E K 07ED,DW2863,PV
N 0000000 SDV27    12290 16:45:49.98 S0078867 00000200  OPS3724O TSO TOD.SSHDCHE
N 0000000 SDV27    12290 16:45:49.98 S0078867 00000200  OPS3092O OI SSHDTASK SSH
N 0000000 SDV27    12290 16:45:50.00 S0078867 00000200  OPS3092O READY
M 4040000 SDV27    12290 16:46:00.14 S0078913 00000201  AIR010I PFA CHECK PFA_JE
D                                      635 00000201   WAS UNABLE TO OPEN LOG
D                                      635 00000201  ERRNO= 00000081 ERRNOJR=
E                                      635 00000201  FILENAME= /var/pfa/PFA_J
M 4040000 SDV27    12290 16:46:00.14 S0078913 00000201  AIR010I PFA CHECK PFA_EN
D                                      636 00000201   WAS UNABLE TO OPEN LOG
D                                      636 00000201  ERRNO= 00000081 ERRNOJR=
E                                      636 00000201  FILENAME= /var/pfa/PFA_E
N 0000000 SDV27    12290 16:46:25.02 S0078990 00000200  OPS1181O OPSIPSOC OPSS (
NC0000000 SDV27    12290 16:46:25.02 SDV2730  00000205  RSSHB NC
```


Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

SYSID [lpar | * | ?]

- Display a particular system's SYSLOG
  - ➔ SYSID DV28
- Results

```
  Display  Filter  View  Print  Options  Search  Help
 ------------------------------------------------------------------------------
 SDSF SYSLOG  78865.106 DV28 DV27 10/16/2012 6W          112,065 COLUMNS 02- 81
 COMMAND INPUT ===>                                        SCROLL ===> CSR_
M 0020000 SDV28    12290 16:45:31.17 S0078915 00000201  IEC205I SYS10649,DFSMSHS
E                                      626 00000201  DSN=DVPR9.BACKTAPE.DATAS
N 0000000 SDV28    12290 16:45:31.17 27       00000201  IEA989I SLIP TRAP ID=X33
N 0000000 SDV28    12290 16:45:31.17 27       00000201  IEA989I SLIP TRAP ID=X33
N 0000000 SDV28    12290 16:45:31.17 27       00000201  IEA989I SLIP TRAP ID=X33
N 2000000 SDV28    12290 16:45:31.42 S0078915 00000010  TMS014  IEF234E K 07ED,D
N 2000000 SDV28    12290 16:45:31.42 S0078915 00080214  IEF234E K 07ED,DW2863,PV
N 0000000 SDV28    12290 16:45:49.98 S0078867 00000200  OPS3724O TSO TOD.SSHDCHE
N 0000000 SDV28    12290 16:45:49.98 S0078867 00000200  OPS3092O OI SSHDTASK SSH
N 0000000 SDV28    12290 16:45:50.00 S0078867 00000200  OPS3092O READY
M 4040000 SDV28    12290 16:46:00.14 S0078913 00000201  AIR010I PFA CHECK PFA_JE
D                                      635 00000201   WAS UNABLE TO OPEN LOG
D                                      635 00000201  ERRNO= 00000081 ERRNOJR=
E                                      635 00000201  FILENAME= /var/pfa/PFA_J
M 4040000 SDV28    12290 16:46:00.14 S0078913 00000201  AIR010I PFA CHECK PFA_EN
D                                      636 00000201   WAS UNABLE TO OPEN LOG
D                                      636 00000201  ERRNO= 00000081 ERRNOJR=
E                                      636 00000201  FILENAME= /var/pfa/PFA_E
N 0000000 SDV28    12290 16:46:25.02 S0078990 00000200  OPS1181O OPSIPSOC OPSS (
NC0000000 SDV28    12290 16:46:25.02 SDV2730  00000205  RSSHB NC
```


Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

ACTION [ALL | OFF | ?]

- Remove WTORs from the OPERLOG and the SYSLOG
  - ➔ ACTION
- Results

```
  Display  Filter  View  Print  Options  Search  Help
 ------------------------------------------------------------------------------
 SDSF SYSLOG  78865.106 DV27 DV27 10/16/2012 6W         112,065 COLUMNS 02- 81
 COMMAND INPUT ===> _____________________________________ SCROLL ===> CSR_
M 0020000 SDV27    12290 16:45:31.17 S0078915 00000201  IEC205I SYS10649,DFSMSHS
E                                    626 00000201  DSN=DVPR9.BACKTAPE.DATAS
N 0000000 SDV27    12290 16:45:31.17 27       00000201  IEA989I SLIP TRAP ID=X33
N 0000000 SDV27    12290 16:45:31.17 27       00000201  IEA989I SLIP TRAP ID=X33
N 0000000 SDV27    12290 16:45:31.17 27       00000201  IEA989I SLIP TRAP ID=X33
N 2000000 SDV27    12290 16:45:31.42 S0078915 00000010  TMS014  IEF234E K 07ED,D
N 2000000 SDV27    12290 16:45:31.42 S0078915 00080214  IEF234E K 07ED,DW2863,PV
N 0000000 SDV27    12290 16:45:49.98 S0078867 00000200  OPS3724O TSO TOD.SSHDCHE
N 0000000 SDV27    12290 16:45:49.98 S0078867 00000200  OPS3092O OI SSHDTASK SSH
N 0000000 SDV27    12290 16:45:50.00 S0078867 00000200  OPS3092O READY
M 4040000 SDV27    12290 16:46:00.14 S0078913 00000201  AIR010I PFA CHECK PFA_JE
D                                    635 00000201   WAS UNABLE TO OPEN LOG
D                                    635 00000201  ERRNO= 00000081 ERRNOJR=
E                                    635 00000201  FILENAME= /var/pfa/PFA_J
M 4040000 SDV27    12290 16:46:00.14 S0078913 00000201  AIR010I PFA CHECK PFA_EN
D                                    636 00000201   WAS UNABLE TO OPEN LOG
D                                    636 00000201  ERRNO= 00000081 ERRNOJR=
E                                    636 00000201  FILENAME= /var/pfa/PFA_E
N 0000000 SDV27    12290 16:46:25.02 S0078990 00000200  OPS1181O OPSIPSOC OPSS (
******************************** Bottom of Data ********************************
```


Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

FINDLIM [##### | ?]

- Increase the find limit to 9,999,999 (default is 9,999)
  - ➔ FINDLIM 9999999
  - ➔ F FARGO PREV
- Results

```
  Display  Filter  View  Print  Options  Search  Help
 ------------------------------------------------------------------------------
 SDSF SYSLOG  78865.106 DV27 DV27 10/16/2012 6W          * TOP OF DATA REACHED *
 COMMAND INPUT ===> _____________________________________ SCROLL ===> CSR_
M 0020000 SDV27    12290 16:45:31.17 S0078915 00000201  IEC205I SYS10649,DFSMSHS
E                                      626 00000201  DSN=DVPR9.BACKTAPE.DATAS
N 0000000 SDV27    12290 16:45:31.17 27       00000201  IEA989I SLIP TRAP ID=X33
N 0000000 SDV27    12290 16:45:31.17 27       00000201  IEA989I SLIP TRAP ID=X33
N 0000000 SDV27    12290 16:45:31.17 27       00000201  IEA989I SLIP TRAP ID=X33
N 2000000 SDV27    12290 16:45:31.42 S0078915 00000010  TMS014  IEF234E K 07ED,D
N 2000000 SDV27    12290 16:45:31.42 S0078915 00080214  IEF234E K 07ED,DW2863,PV
N 0000000 SDV27    12290 16:45:49.98 S0078867 00000200  OPS3724O TSO TOD.SSHDCHE
N 0000000 SDV27    12290 16:45:49.98 S0078867 00000200  OPS3092O OI SSHDTASK SSH
N 0000000 SDV27    12290 16:45:50.00 S0078867 00000200  OPS3092O READY
M 4040000 SDV27    12290 16:46:00.14 S0078913 00000201  AIR010I PFA CHECK PFA_JE
D                                      635 00000201   WAS UNABLE TO OPEN LOG
D                                      635 00000201  ERRNO= 00000081 ERRNOJR=
E                                      635 00000201  FILENAME= /var/pfa/PFA_J
M 4040000 SDV27    12290 16:46:00.14 S0078913 00000201  AIR010I PFA CHECK PFA_EN
D                                      636 00000201   WAS UNABLE TO OPEN LOG
D                                      636 00000201  ERRNO= 00000081 ERRNOJR=
E                                      636 00000201  FILENAME= /var/pfa/PFA_E
N 0000000 SDV27    12290 16:46:25.02 S0078990 00000200  OPS1181O OPSIPSOC OPSS (
NC0000000 SDV27    12290 16:46:25.02 SDV2730  00000205  RSSHB NC
```

LOCATE [hh:mm:ss]

- Locate messages from one o'clock am
  - ➔ L 01:00:00
- Results

```
   Display  Filter  View  Print  Options  Search  Help
 ------------------------------------------------------------------------------
 SDSF OPERLOG  DATE 10/16/2012     5 WTORS                    COLUMNS 02- 81
 COMMAND INPUT ===> _____________________________________  SCROLL ===> CSR_
NC0000000 SDV27    12290 01:00:00.05 TBI10001 000A0205  *DIS TRACE MONITOR
N 4200000 SDV27    12290 01:00:00.06 S0079042 000A0214  DFS4445I CMD FROM MCS/E-
S                                                       VPI1
MR0000000 SDV27    12290 01:00:00.06 S0079042 00000010  DFS4444I DISPLAY FROM ID
DR                                     545 00000010       IMS ACTIVE TRACES
DR                                     545 00000010
DR                                     545 00000010       MONITOR IS INACTIVE
ER                                     545 00000010       *2012290/010000*
N 0020000 SDV27    12290 01:00:00.06 S0078995 00000201  GVB686I  VIPHST02 ACB ST
S                                                       VALUES
N 0020000 SDV27    12290 01:00:00.06 S0078995 00000201  GVB105I  VIPHST02 BUFSP=
N 0020000 SDV28    12290 01:00:00.09 S0078736 00000201  GVB686I  VIPHST04 ACB ST
S                                                       VALUES
N 0020000 SDV28    12290 01:00:00.09 S0078736 00000201  GVB105I  VIPHST04 BUFSP=
N 0200000 SDV27    12290 01:00:00.18 J0080203 00000201  $HASP100 XSSCATBK ON INT
S                                                       SCHEDTS
N 0000000 SDV27    12290 01:00:00.34 S0079868 00000201  BMC23101 DC21 Asynchrono
N 0000000 SDV27    12290 01:00:00.34 S0079868 00000201  BMC23007 DC21 No data to
N 0000000 SDV27    12290 01:00:00.34 S0079868 00000201  BMC23101 DC21 Asynchrono
N 0000000 SDV27    12290 01:00:00.34 S0079868 00000201  BMC23007 DC21 No data to
```

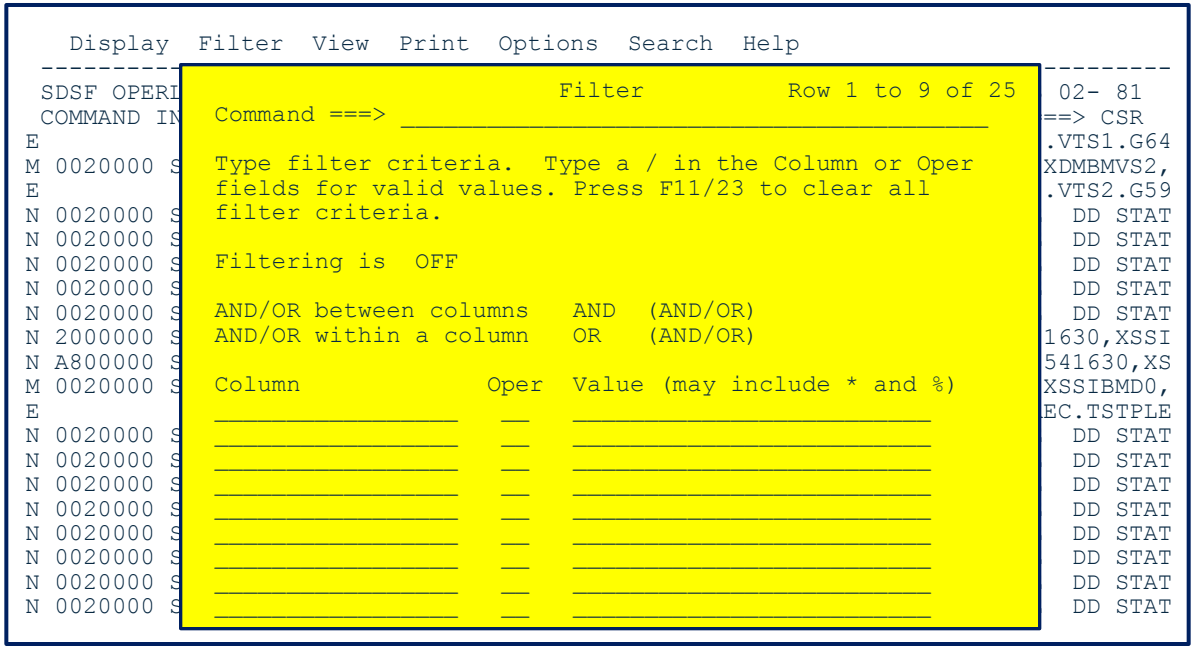
FILTER [col] [=, etc.] [value] | ? | OFF

- Display only messages starting with IEC*
  - ➔ FIL MSGID = IEC*
- Results

```
  Display  Filter  View  Print  Options  Search  Help
 ------------------------------------------------------------------------------
 SDSF OPERLOG  DATE 11/03/2012    48 WTORS   1 FILTER          COLUMNS 02- 81
 COMMAND INPUT ===>                                          SCROLL ===> CSR
E                                          453 00000201  DSN=PRDOK.R7329.VTS1.G64
M 0020000 SDV25    12308 04:16:03.36 J0112566 00000201  IEC205I SYSUT2,XDMBMVS2,
E                                          470 00000201  DSN=PRDOK.R7329.VTS2.G59
N 0020000 SDV25    12308 04:26:11.16 J0112642 00000201  IEC130I GRTFILE  DD STAT
N 0020000 SDV25    12308 04:26:31.24 J0112643 00000201  IEC130I GRTFILE  DD STAT
N 0020000 SDV25    12308 04:26:36.48 J0112644 00000201  IEC130I GRTFILE  DD STAT
N 0020000 SDV25    12308 04:27:16.85 J0112651 00000201  IEC130I GRTFILE  DD STAT
N 0020000 SDV25    12308 04:27:52.19 J0112659 00000201  IEC130I GRTFILE  DD STAT
N 2000000 SDV21    12308 04:30:32.87 J0112720 00000000  IECTMS9 0716,541630,XSSI
N A800000 SDV21    12308 04:30:32.87 J0112720 00400000 *IEC507D E 0716,541630,XS
M 0020000 SDV21    12308 04:30:33.54 J0112720 00000201  IEC205I ACCDEV,XSSIBMD0,
E                                          169 00000201  DSN=PRDOG.#LOGREC.TSTPLE
N 0020000 SDV25    12308 04:37:21.09 J0112754 00000201  IEC130I GRTFILE  DD STAT
N 0020000 SDV25    12308 04:37:21.29 J0112754 00000201  IEC130I GRTFILE  DD STAT
N 0020000 SDV25    12308 04:37:21.46 J0112754 00000201  IEC130I GRTFILE  DD STAT
N 0020000 SDV25    12308 04:37:21.65 J0112754 00000201  IEC130I GRTFILE  DD STAT
N 0020000 SDV25    12308 04:37:21.83 J0112754 00000201  IEC130I GRTFILE  DD STAT
N 0020000 SDV25    12308 04:37:22.01 J0112754 00000201  IEC130I GRTFILE  DD STAT
N 0020000 SDV25    12308 04:37:22.63 J0112754 00000201  IEC130I GRTFILE  DD STAT
N 0020000 SDV25    12308 04:37:22.80 J0112754 00000201  IEC130I GRTFILE  DD STAT
```

FILTER ?

- Display only messages starting with IEC*
  - ➔ FIL ?
- Results



FILTER – Columns

Column	Description
SYSNAME	MVS system name
DATE	Date the message was logged, in character format. Enter the date as it is displayed
TIME	Time the message was logged, in character format. Enter the time as it is displayed
DATETIME	Date and time the message was logged, in date/time format. This column accepts the date format set with SET DATE. Use operators with > or <
JOBNAME	Originating job name
JOBID	Job ID
CONSOLE	Console name
MSGID	Message ID (first 8-character token of the message text)
MSGTEXT	Message text (includes message ID). Note that because this column includes the message ID, you may want to include a leading generic pattern matching character in your filter command, for example, FIL MSGTEXT EQ *STARTED*

Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

PRINT to SYSOUT

- Print to SYSOUT messages from 01:00:00 to 02:00:00
  - ➔ PT S; PT 01:00:00 02:00:00; PT CLOSE
- Results

```
  Display  Filter  View  Print  Options  Search  Help
 ------------------------------------------------------------------------------
 SDSF OPERLOG  DATE 10/16/2012     6 WTORS              PRINT CLOSED  15904 LINE
 COMMAND INPUT ===> _____________________________________________ SCROLL ===> CSR_
NC0000000 SDV27    12290 01:00:00.05 TBI10001 000A0205  *DIS TRACE MONITOR
N 4200000 SDV27    12290 01:00:00.06 S0079042 000A0214  DFS4445I CMD FROM MCS/E-
S                                                       VPI1
MR0000000 SDV27    12290 01:00:00.06 S0079042 00000010  DFS4444I DISPLAY FROM ID
DR                                     545 00000010       IMS ACTIVE TRACES
DR                                     545 00000010
DR                                     545 00000010       MONITOR IS INACTIVE
ER                                     545 00000010       *2012290/010000*
N 0020000 SDV27    12290 01:00:00.06 S0078995 00000201  GVB686I  VIPHST02 ACB ST
S                                                       VALUES
N 0020000 SDV27    12290 01:00:00.06 S0078995 00000201  GVB105I  VIPHST02 BUFSP=
N 0020000 SDV28    12290 01:00:00.09 S0078736 00000201  GVB686I  VIPHST04 ACB ST
S                                                       VALUES
N 0020000 SDV28    12290 01:00:00.09 S0078736 00000201  GVB105I  VIPHST04 BUFSP=
N 0200000 SDV27    12290 01:00:00.18 J0080203 00000201  $HASP100 XSSCATBK ON INT
S                                                       SCHEDTS
N 0000000 SDV27    12290 01:00:00.34 S0079868 00000201  BMC23101 DC21 Asynchrono
N 0000000 SDV27    12290 01:00:00.34 S0079868 00000201  BMC23007 DC21 No data to
N 0000000 SDV27    12290 01:00:00.34 S0079868 00000201  BMC23101 DC21 Asynchrono
N 0000000 SDV27    12290 01:00:00.34 S0079868 00000201  BMC23007 DC21 No data to
```

PRINT to Data Set

- Print to data set messages from 01:00:00 to 02:00:00
  - ➔ PT D
  - ➔ PT 01:00:00 02:00:00
  - ➔ PT CLOSE

```
                          SDSF Open Print Data Set
COMMAND INPUT ===> ____________________________________________ SCROLL ===> CSR_


Data set name  ===> 'R2221.RPT'
Member to use  ===>
Disposition    ===> NEW          (OLD, NEW, SHR, MOD)

If the data set is to be created, specify the following.
Volume serial will be used to locate existing data sets if specified.

Management class     ===>           (Blank for default management class)
Storage class        ===>           (Blank for default storage class)
  Volume serial      ===>           (Blank for authorized default volume)
  Device type        ===>           (Generic unit or device address)
Data class           ===>           (Blank for default data class)
  Space units        ===> BLKS      (BLKS, TRKS, CYLS, BY, KB, or MB)
  Primary quantity   ===> 500       (In above units)
  Secondary quantity ===> 500       (In above units)
  Directory blocks   ===>           (Zero for sequential data set)
  Record format      ===> VBA
  Record length      ===> 240
  Block size         ===> 3120
```


Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

/

- Allows typing in a long MVS command and retrieve/execute a previous MVS command
  - ➔ /

- Results

/ [command] +

- Execute a long MVS command
  - ➔ /SETPROG APF,ADD,DSN=SYS1.TEST.LINKLIB+
- Results

Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

SET CONSOLE [name | ?]

- Change the console name to R2221A to allow messages to be received from commands when multiple SDSFs are active
  - ➔ SET CONSOLE R2221A
- Results

```
  Display  Filter  View  Print  Options  Search  Help
 ------------------------------------------------------------------------------
 SDSF OPERLOG  DATE 10/21/2012     6 WTORS              SET COMMAND COMPLETE
 COMMAND INPUT ===>                                          SCROLL ===> CSR
E                                          424 00000010   CONNECTED LASTS(1210202
M 8000000 SDV27    12295 15:02:55.07 S0085699 00000010  ING819I BCPII ROUTE NVS2
E                                          425 00000010   CONNECTED LASTS(1210202
M 8000000 SDV27    12295 15:02:55.09 S0085699 00000010  ING819I BCPII ROUTE NVS2
E                                          426 00000010   CONNECTED LASTS(1210202
M 8000000 SDV27    12295 15:02:55.10 S0085699 00000010  ING819I BCPII ROUTE NVS2
E                                          427 00000010   CONNECTED LASTS(1210202
M 8000000 SDV27    12295 15:02:55.11 S0085699 00000010  ING819I BCPII ROUTE NVS2
E                                          428 00000010   CONNECTED LASTS(1210202
M 8000000 SDV27    12295 15:02:55.12 S0085699 00000010  ING819I BCPII ROUTE NVS2
E                                          429 00000010   CONNECTED LASTS(1210202
M 4000000 SDV28    12295 15:02:55.24 S0085577 40000010  ING819I BCPII ROUTE NVS2
E                                          849 40000010   CONNECTED LASTS(1210202
M 4000000 SDV28    12295 15:02:55.26 S0085577 40000010  ING819I BCPII ROUTE NVS2
E                                          850 40000010   CONNECTED LASTS(1210202
M 4000000 SDV28    12295 15:02:55.27 S0085577 40000010  ING819I BCPII ROUTE NVS2
E                                          851 40000010   CONNECTED LASTS(1210202
M 4000000 SDV28    12295 15:02:55.28 S0085577 40000010  ING819I BCPII ROUTE NVS2
E                                          852 40000010   CONNECTED LASTS(1210202
M 4000000 SDV28    12295 15:02:55.30 S0085577 40000010  ING819I BCPII ROUTE NVS2
```

Batch

Status of Jobs

- Print status of R2221* jobs

- Code

```
//SDSF     EXEC PGM=SDSF                <== ALSO, CAN USE PGM=ISFAFD
//ISFOUT   DD  SYSOUT=*
//ISFIN    DD  *
  OWNER *
  PREFIX R2221*
  ST
```

Status of Jobs – JESMGSLG

- Print PDSMAN started task JESMSGLG

- Code

```
//SDSF     EXEC PGM=SDSF
//ISFOUT   DD  SYSOUT=*
//FILEOUT  DD  SYSOUT=*
//*FILEOUT DD  DSN=DATA.SET.NAME,
//*            DISP=(,CATLG,DELETE),
//*            DCB=(RECFM=FBA,LRECL=133,BLKSIZE=0),
//*            SPACE=(CYL,(5,5),RLSE),UNIT=SYSDA
//ISFIN    DD  *
  ST
  S PDSMAN
  FIND PDSMAN
  ++?
  FIND JESMSGLG
  ++S
  PRINT FILE FILEOUT
  PRINT
  PRINT CLOSE
```


Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

LOG

- Print OPERLOG messages from 01:00:00 to 02:00:00

- Code

```
//SDSF     EXEC PGM=SDSF
//ISFOUT   DD  SYSOUT=*
//LOGOUT   DD  SYSOUT=*
//*LOGOUT  DD  DSN=DATA.SET.NAME,
//*            DISP=(,CATLG,DELETE),
//*            DCB=(RECFM=FBA,LRECL=133,BLKSIZE=0),
//*            SPACE=(CYL,(5,5),RLSE),UNIT=SYSDA
//ISFIN    DD  *
  LOG
  PRINT FILE LOGOUT
  PRINT 01:00:00 02:00:00
  PRINT CLOSE
```


Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

ULOG

- Execute MVS command and print ULOG

- Code

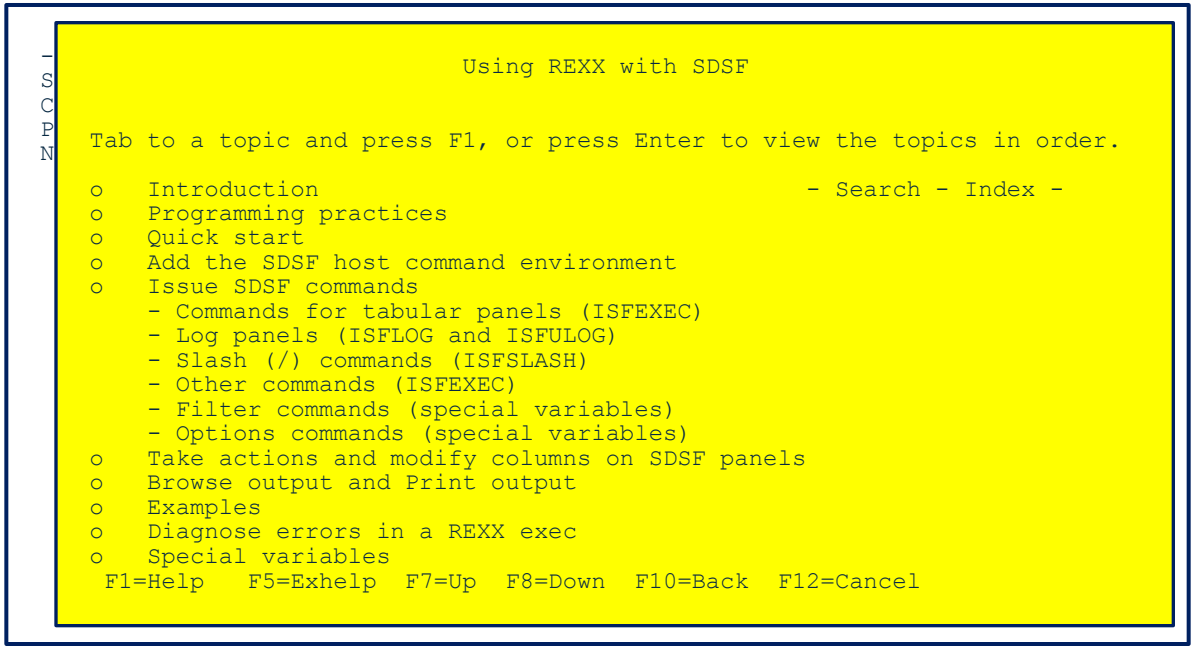
```
//SDSF     EXEC PGM=SDSF
//ISFOUT   DD  SYSOUT=*
//CMDOUT   DD  SYSOUT=*
//ISFIN    DD  *
  SET CONSOLE BATCH
  SET DELAY 600
  /D A,L
  PRINT FILE CMDOUT
  ULOG
  PRINT
  PRINT CLOSE
```


Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

REXX

REXXHELP

- Display help on using REXX with SDSF
  - ➔ REXXH
- Results



Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

COLSHELP

- Obtain REXX variable names for a specific SDSF panel
  - ➔ COLSH
- Results

```
                                Columns on SDSF Panels          Row 76 from 1009
Command ===> ____________________________________________________________________

Sort with F5 (panel), F6 (column), F10 (title). Use Filter to filter rows.

  _  All panels        _  Descriptions

  Panel     Column     Title                Delayed?  Overtype?
_ DA        JNAME      JOBNAME
_ DA        STEPN      StepName
_ DA        PROCS      ProcStep
_ DA        JTYPE      Type
_ DA        JNUM       JNum
_ DA        JOBID      JobID
_ DA        OWNERID    Owner
_ DA        JCLASS     C
_ DA        POS        Pos
_ DA        DP         DP
_ DA        REAL       Real
_ DA        PAGING     Paging
_ DA        EXCPRT     SIO
_ DA        CPUPR      CPU%
_
```


Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

ULOG – Execute MVS Command

- Execute MVS command and display results

- Code

```
/*%NOCOMMENT====================* REXX *============================*/
/*  PURPOSE:  Execute MVS command (D A,L) and display output        */
/*====================================================================*/

  RC          = ISFCALLS("ON")                /* Access  = ON          */
  ISFCONS     = "SDSF"RANDOM()                /* CONSOLE = SDSF###     */
  ADDRESS SDSF "ISFEXEC  '/D A,L' (wait"      /* Execute MVS command   */
  RC          = ISFCALLS("OFF")               /* Access  = OFF         */

  DO J = 1 TO ISFULOG.0                       /* Loop through ULOG     */
     SAY STRIP(ISFULOG.J)                     /* Display output        */
  END
```


Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

DA ALL – Job Name and Lpar

- Obtain and display all active PDSMAN started tasks and lpar names

- Code

```
/*%NOCOMMENT==================* REXX *============================*/
/*  PURPOSE:  Display PDSMAN Started Tasks and Lpar Names          */
/*====================================================================*/

  RC         = ISFCALLS("ON")                 /* Access  = ON          */
  ISFPREFIX  = "PDSM*"                        /* PREFIX  = PDSM*       */
  ISFSYSNAME = "*"                            /* SYSNAME = *           */
  ISFOWNER   = "*"                            /* OWNER   = *           */
  ADDRESS SDSF "ISFEXEC DA ALL"               /* Execute SDSF 'DA ALL' */
  RC         = ISFCALLS("OFF")                /* Access  = OFF         */

  DO K = 1 TO ISFROWS                         /* Loop thru rows        */
     SAY "JOB NAME = "JNAME.K                 /* Display JOBNAME       */
     SAY "    LPAR = "SYSNAME.K               /* Display SYSNAME       */
  END
```


Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

DA ALL – Obtain STC File

- Obtain and display JESMSGLG of the started task CICSU2A7

- Code

```
/*%NOCOMMENT====================* REXX *==============================*/
/*  PURPOSE:  Obtain and display JESMSGLG the started task CICSU2A7  */
/*======================================================================*/

ADDRESS TSO
  "ALLOC F(FILEOUT) UNIT(VIO) NEW REUSE",     /* Output file         */
        "CYLINDERS SPACE(5 5) RECFM(F B A)"

  "ALLOC FI(ISFOUT) DUMMY"                    /* Delete screen prts  */

  "ALLOC F(ISFIN) UNIT(VIO) NEW REUSE",       /* Input parameters    */
        "RECFM(F B) BLK(3120) LRECL(80)",
        "SPACE(1 1) CYLINDERS DSORG(PS)"

  QUEUE " DA ALL"                             /* Display active jobs */
  QUEUE " OWNER"                              /* OWNER   = *         */
  QUEUE " SYSNAME *"                          /* SYSNAME = *         */
  QUEUE " PRE CICSU2A7"                       /* PREFIX  = CICSU2A7  */
  QUEUE " FIND CICSU2A7"                      /* Cursor to CICSU2A7  */
  QUEUE " ++?"                                /* Type ? next to job  */
  QUEUE " FIND JESMSGLG"                      /* Cursor to JESMSGLG  */
  QUEUE " ++S"                                /* Select JESMSGLG     */
```


Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

DA ALL – Obtain STC File (Continued)

- Obtain and display JESMSGLG of the started task CICSU2A7

- Code

```
  QUEUE " PRINT FILE FILEOUT"                  /* Open FILEOUT         */
  QUEUE " PRINT"                               /* Print to FILEOUT     */
  QUEUE " PRINT CLOSE"                         /* Close FILEOUT        */
  QUEUE ""                                     /* End input records    */
  "EXECIO * DISKW ISFIN (FINIS"                /* Write input records */

ADDRESS ISPEXEC
  "SELECT PGM(SDSF)"                           /* Execute SDSF         */

ADDRESS TSO
  "EXECIO * DISKR FILEOUT (STEM REC. FINIS"    /* Read FILEOUT         */
  "FREE FI(ISFIN ISFOUT FILEOUT)"              /* Free all files       */

  DO J = 1 TO REC.0                            /* Loop thru records    */
     SAY STRIP(REC.J)                          /* Display records      */
  END
```


Complete your session evaluations online at www.SHARE.org/Pittsburgh-Eval

Links

SDSF – Manuals

Version	Manual	Link
Website	N/A	SDSF Downloads
Red Manual	SG24-7419-00	Implementing REXX Support in SDSF
V2R01	SA23-2274-00	SDSF – Operation and Customization
V1R13	SA22-7670-15	SDSF – Operations and Customization
V1R12	SA22-7670-14	SDSF – Operations and Customization
V1R11	SA22-7670-12	SDSF – Operations and Customization
V1R10	SA22-7670-11	SDSF – Operations and Customization
V1R09	SA22-7670-10	SDSF – Operations and Customization
V1R08	SA22-7670-09	SDSF – Operations and Customization
V1R07	SA22-7670-08	SDSF – Operations and Customization
V1R06 & V1R05	SA22-7670-07	SDSF – Operations and Customization
V1R04	SA22-7670-04	SDSF – Operations and Customization
V1R03	SA22-7670-02	SDSF – Operations and Customization
V1R02	SA22-7670-01	SDSF – Operations and Customization

REXX – Manuals

Version	Manual	Link
V2R01	SA32-0972-00	REXX – Reference
V2R01	SA32-0982-00	REXX – User's Guide
V2R01	SA23-2283-00	REXX – UNIX System Services
V2R01	SH19-8160-06	REXX – Compiler/Library – User's Guide and Reference
V2R01	SH19-8179-03	REXX – Compiler/Library – Diagnosis Guide

SHARE – SDSF

Session	Author	Link
15042	Greg Thompson	SDSF for New Users Hands-on Lab
14920	Greg Thompson	SDSF Product Update for z/OS 2.1
14768	Greg Thompson	SDSF Hidden Treasures
11701	Chip Wood	Accessing SDSF data using REXX and JAVA
10644	Chip Wood	What's new in SDSF z/OS V1.13?
8919	Chip Wood	SDSF: What's New in z/OS 1.12?
2341	Rod Freak	SDSF Rexx in a Production Environment – User Experience
2343	Chip Wood	SDSF for New Users
2344	Chip Wood	SDSF REXX Update
2663	Chip Wood	What's new in SDSF z/OS V1.10?
2664	Chip Wood	SDSF REXX
2655	Chip Wood	SDSF z/OS V1.9 Preview
2677	Dave Danner	z/OS 1.9 JES2 and SDSF: User Experiences With Migrationand Using the New Features
2672	Tom Wasik	SDSF for Intermediate Users
2671	Bill Keller	SDSF Changes for z/OS V1R7

SHARE – REXX

Session	Author	Link
15243	Virgil Hein	REXX Language Coding Techniques
15229	Richard Cebula	An Introduction to Using REXX with Language Environment
14579	John Franciscovich	Introduction to REXX Workshop
14019	Brian Marshall	REXX programming for the z/OS programmer
11751	Thomas Conley	Rexx Power Tools – The PARSE Command
11701	Chip Wood	Accessing SDSF Data from Rexx and Java
11549	Bruce Koss	REXX – Troubleshooting
10425	Eric Rosenfeld	Analyzing Your RACF Database Using REXX
7485	Thomas Conley	Learn to Program in Rexx – Hands-on Lab
5490	Michael Onghena	RACF's R_admin Interface: Now Served with REXX!
2344	Chip Wood	SDSF Rexx API Usage Tutorial
2341	Rod Feak	SDSF Rexx in a Production Environment – User Experience
1579	David Ashley	Using Rexx Complier Hands-on Lab
1569	Ahilan Rajadeva	Rexx and z/OS UNIX Services

Websites

Link
ABCs of Systems Programming
Andy's MVS Page
Cardett Associates – Database Query Tools
CBT Tape
DFSORT – Documentation and Code
Frank Clarke – REXX Tools
GSF Software – Downloads
ISPF – Manuals and Tools
ISPF – Request For Enhancement (RFE)
Kenneth Tomiak – Stuff
Ken's Universe
Leonard Woren – Free Stuff
Lionel B. Dyck – Freeware
Mark's MVS Utilities
Michael Joseph Clearly – Freeware

Websites

Link
Parallel Sysplex – Tools and Wizards
PDS2PDS – PDS Comparison
Planet MVS
Review – Browser and Editor
REXX – Language Association
Schlabb – REXX, TCPIP, etc.
SDSF – Downloads
SHARE – Conference Proceedings
Simo Time Enterprises – Programming Code Examples
TASID – Downloads
VM – Download Packages
Watson & Walker – Tuning Letter
WLM – Downloads
ZOS – V1R13 – PDF Manuals
ZOS – V2R01 – PDF Manuals

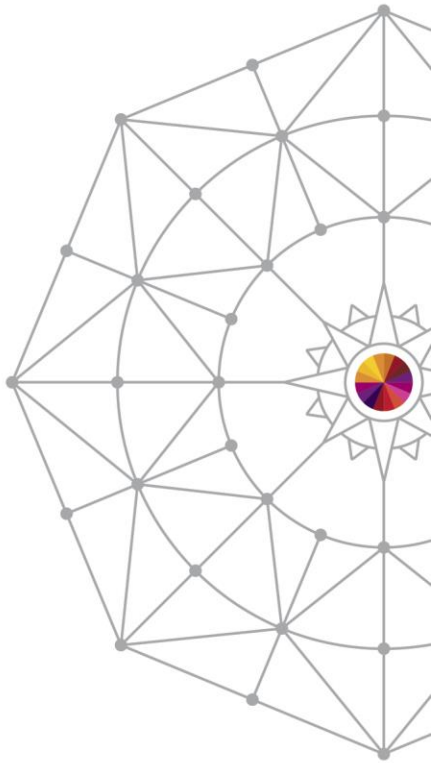
Any questions or comments please contact

Bruce Koss

Wells Fargo Mainframe Operating Systems Support

Bruce.Koss@WellsFargo.com

(704) 600-8416



#SHAREorg

Copyright (c) 2014 by SHARE Inc. Except where otherwise noted, this work is licensed under http://creativecommons.org/licenses/by-nc-sa/3.0/