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SDSF
Beyond the Basics

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SHARE in San Francisco 2013

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

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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, SYSNAME, ARRANGE, FILTER, SORT, SEARCH, WHO
LOG	OPERLOG vs. SYSLOG, LOG OPERLOG, LOG SYSLOG, ACTION, SYSID, FINDLIM, LOCATE, FILTER, PRINT, /, SET CONSOLE
Batch	Status of Jobs, LOG, ULOG
REXX	REXXHELP, COLSHELP, ULOG, DA ALL
Links	SHARE, IBM

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Overview

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ISPF vs. TSO

- Two ways to invoke SDSF
  - ISPF
    - From ISPF primary menu type in SD
    - Or from any primary command line type in SDSF or ZSD
    - 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

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Panels

Panel	Means	Description
CK	Health Check	Shows information from IBM Health Checker for z/OS about the active checks
CKH	Health Check History	Shows instances of a check when the “L” command is typed next to a specific health check from the CK panel
DA	Display Active	Shows information about MVS address spaces (jobs, started tasks, and TSO users) that are running
ENC	Enclaves	Shows enclaves
H	Held Output	Shows user information about SYSOUT data sets for jobs, started tasks, and TSO users on any held JES output queue
I	Input Queue	Display information about jobs, started tasks, and TSO users on the JES input queue or executing
INIT	Initiators	Display information about JES initiators defined in the active JES on their CPUs
JC	Job Class	Display information about job classes
JDS	Job Data Set	Display information about SYSOUT data sets for a selected job, started task, and TSO user. 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		Display and control of members in a JES3 JESPLEX. Will display the MAS panel when executed on a JES2 environment
LI	Lines	Display information about JES lines and their associated transmitters and receivers
MAS (JP)	Multi Access Spool	Display and control of members in a JES2 MAS

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Panels

Panel	Means	Description
NC	Network Connections	Display information about JES networking connections to an adjacent node
NO	Nodes	Display information about JES nodes
NS	Network Servers	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 printing job, started task, and TSO user output
PS	Processes	Displays information about z/OS UNIX System Services processes
PUN	Punches	Display information about punches
RDR	Readers	Display information about readers
RES	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
SO	Spool Offload	Display information about JES2 spool offloaders
SP	Spool	Display and control JES2 spool volumes

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Panels

Panel	Means	Description
SR	System Requests	Display outstanding system requests
ST	Status	Display information about jobs, started tasks, and TSO users on the JES queues

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NP Commands

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NP Column

- What does the "NP" column stand for/mean?
  - Possibly "Non-Protected" or "iNPut" field
  - This is not documented anywhere in the SDSF manual
    - Manual refers 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
```


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NP Commands

- Next few slides list all NP commands in alphabetical order with
  - 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

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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
CD	$C (Cancel, dump)	DA, I, ST	2

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NP Commands

NP Command	SDSF Action or MVS/JES2 Commands Issued	Valid Panels	Command Level
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
E	$E (Restart)	DA, I, ST, LI, NO, PR, PUN, SO	2
E	F (Modify refresh)	CK	3

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NP Commands

NP Command	SDSF Action or MVS/JES2 Commands Issued	Valid Panels	Command Level
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
JD	$J	MAS	1
JH	$J	MAS	1
JJ	$J	MAS	1

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NP Commands

NP Command	SDSF Action or MVS/JES2 Commands Issued	Valid Panels	Command Level
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
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

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NP Commands

NP Command	SDSF Action or MVS/JES2 Commands Issued	Valid Panels	Command Level
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
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

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NP Commands

NP Command	SDSF Action or MVS/JES2 Commands Issued	Valid Panels	Command Level
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

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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
```


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Primary Commands

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Primary Commands

- 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, suggest terminating SDSF to ensure settings are saved

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KEYS

- Validate 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.
```


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?

- Display alternate columns, these 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
```


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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
```


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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
```


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PREFIX [jobname | * | ?]

- Display all job names starting with a particular character string
  - ➔ PRE R2221*
- 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
```


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OWNER [userid | * | ?]

- Display all jobs submitted by a particular userid
  - ➔ OWNER 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=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
```


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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
```


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

- Move column MAX-RC before 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
```


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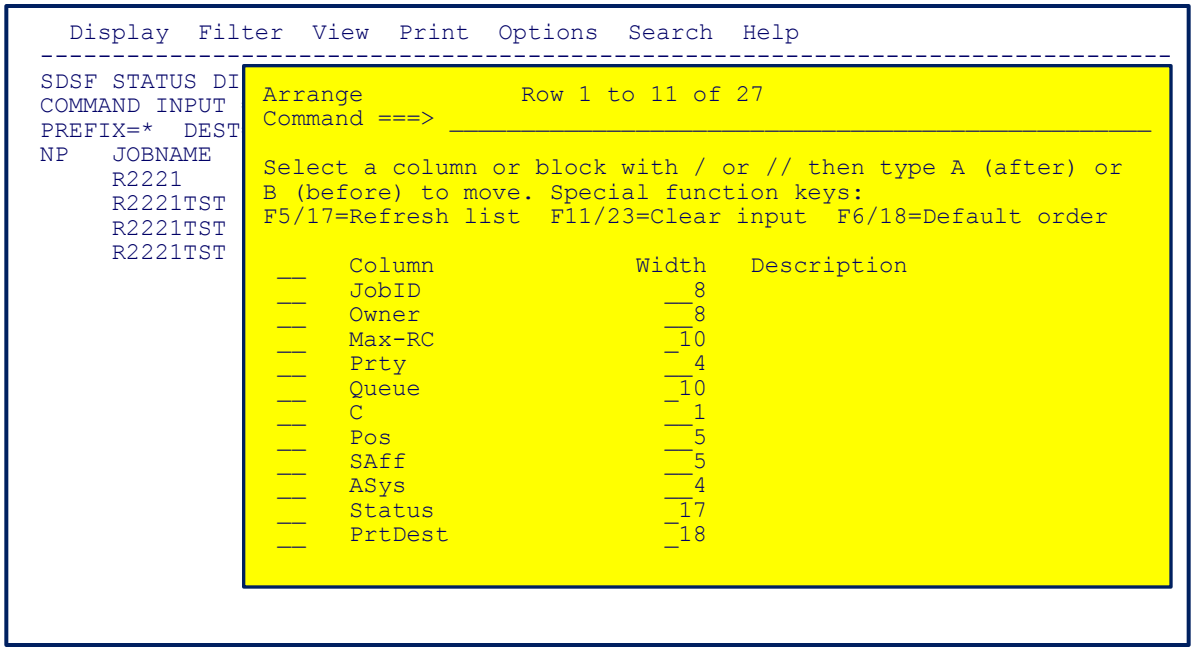
ARRANGE ?

- Move and change column width using pop-up panel
  - ➔ ARR ?
- Results



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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
```


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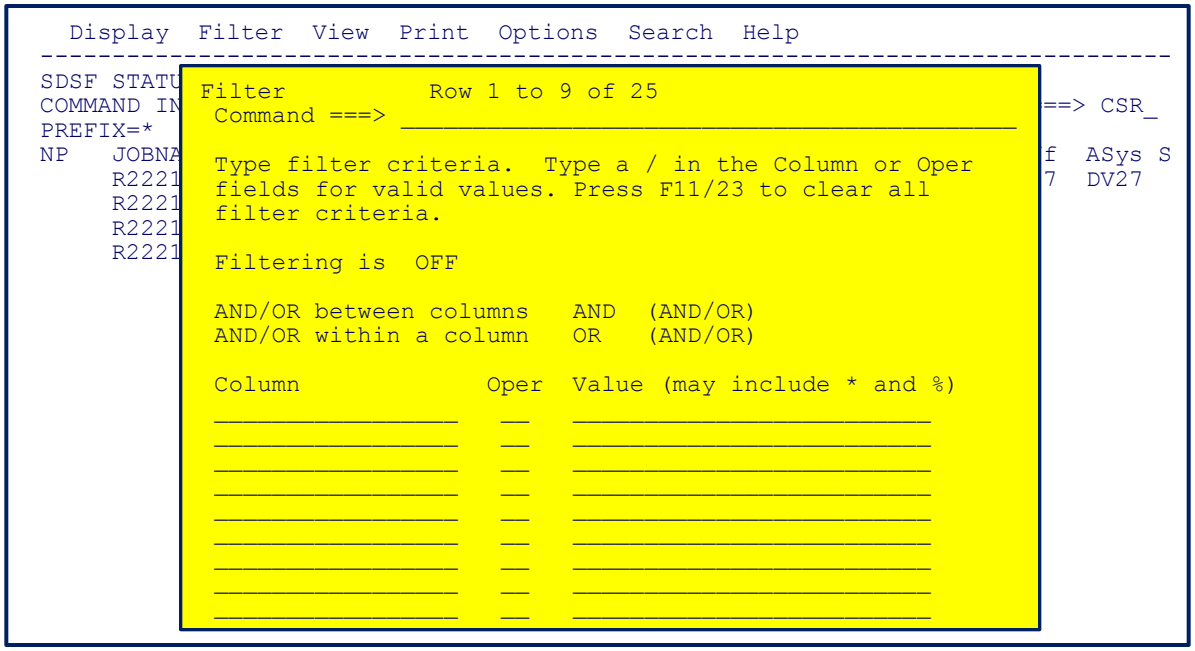
FILTER ?

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



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

- Display most current jobs at top, can also use 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
```


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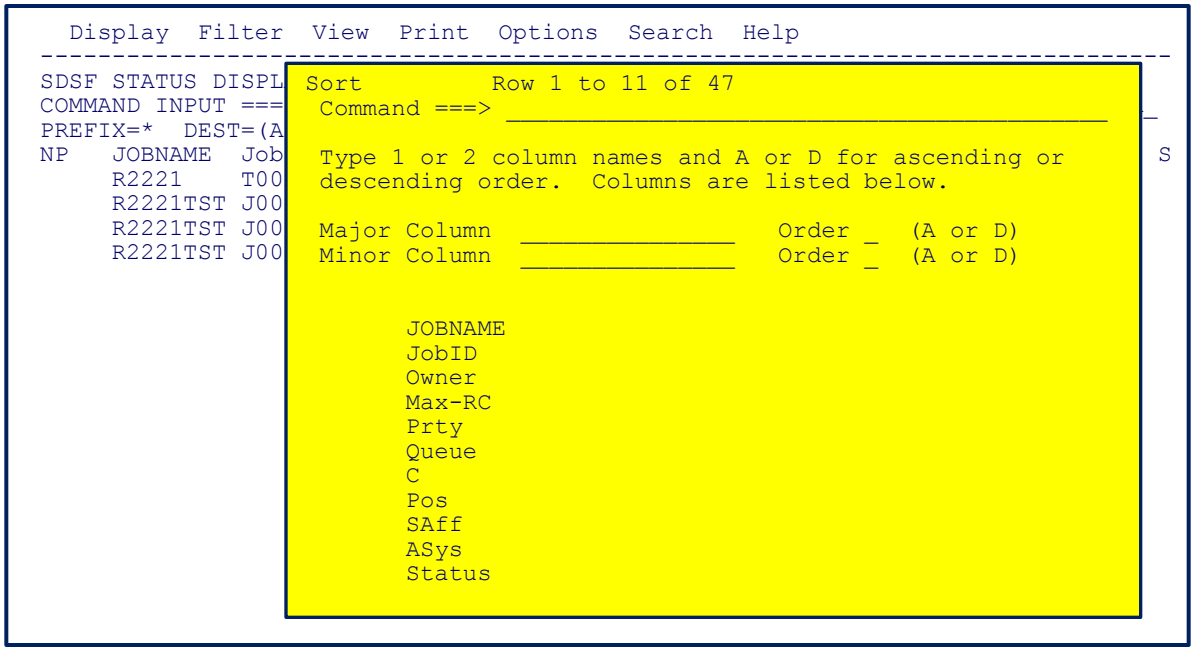
SORT ?

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



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SEARCH [text]

- Search and display tutorials on 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.
```


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WHO

- Display SDSF, ISPF 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
```


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LOG

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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 OPERLOG or a single-system's SYSLOG

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LOG OPERLOG

- Display OPERLOG, this 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
```


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LOG SYSLOG

- Display 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
```


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ACTION [ALL | OFF | ?]

- Remove WTORs from OPERLOG and 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 ********************************
```


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SYSID [lpar | * | ?]

- Display a particular system's SYSLOG
  - ➔ SYSID DV27
- Results

```
   Display  Filter  View  Print  Options  Search  Help
 ------------------------------------------------------------------------------
 SDSF SYSLOG   78865.106 DV27 DV28 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
```


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FINDLIM [##### | ?]

- Increase 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
```


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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
```


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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 – 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*

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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
```


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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
```


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/

- Retrieve and execute a previous MVS command
  - ➔ /
- Results

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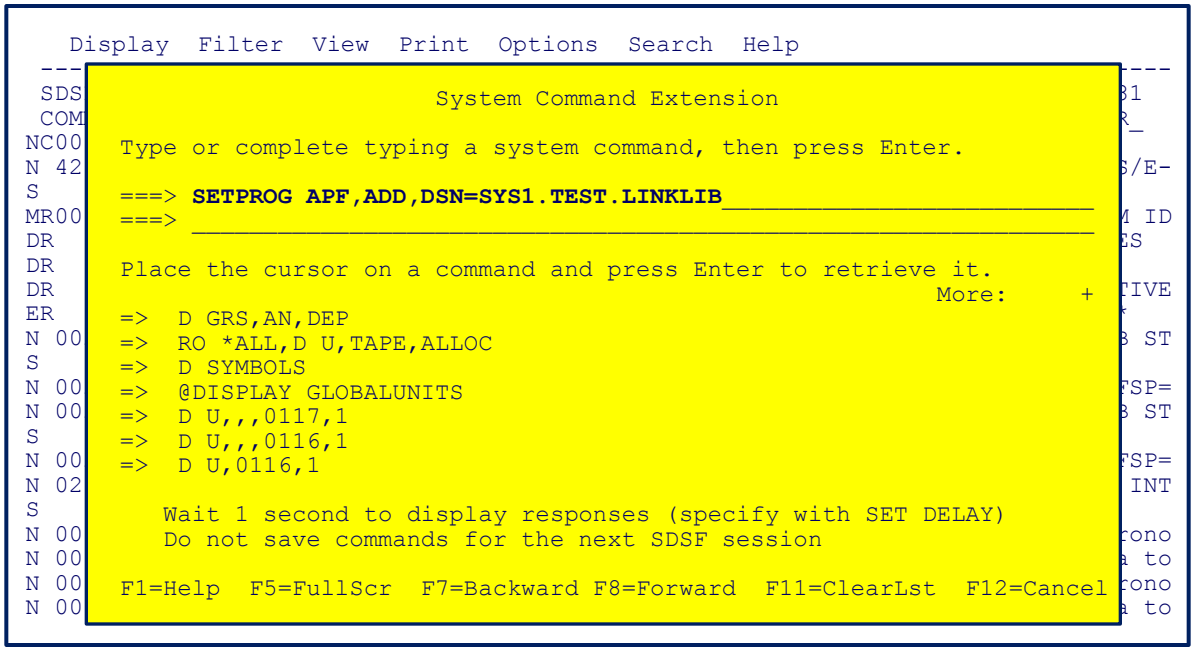
/ [command] +

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



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SET CONSOLE [name | ?]

- Change console name to R2221A, allows receiving messages 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
```


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Batch

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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
```


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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
```


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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
```


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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
```


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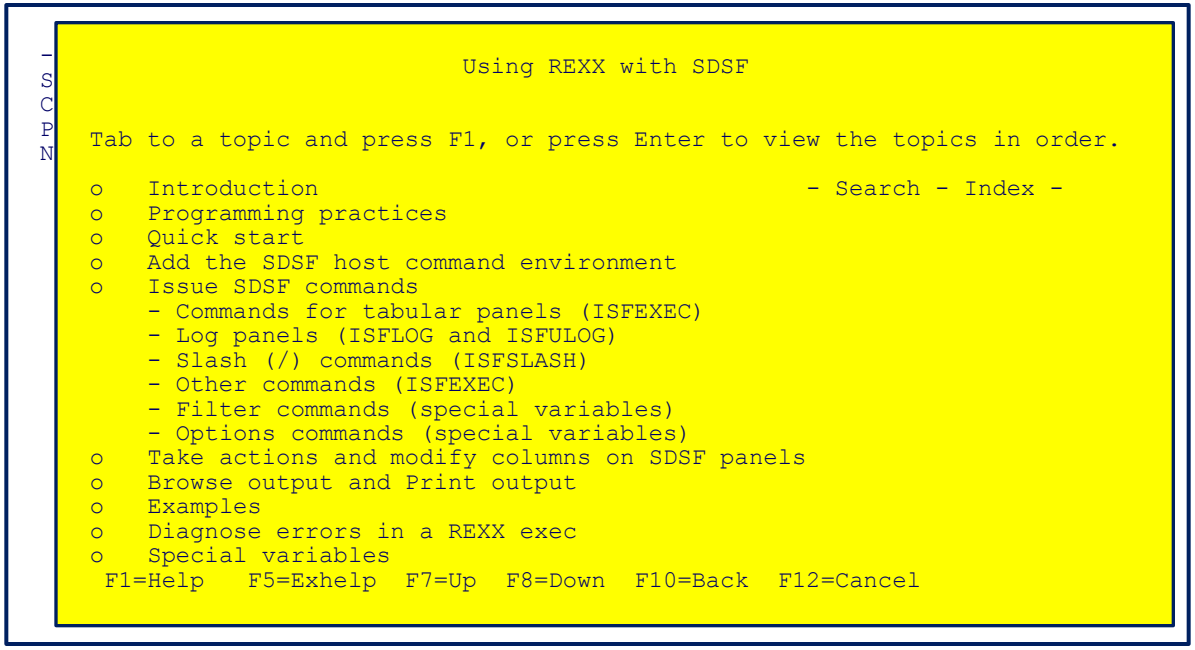
REXX

REXXHELP

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



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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%
```


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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
```


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DA ALL – Job Name and Lpar

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

- Code

```
/*%NOCOMMENT====================* REXX *==============================*/
/*  PURPOSE:  Display PDSMAN Started Tasks and Lpar Name using SDSF  */
/*====================================================================*/

  RC          = ISFCALLS("ON")                /* Access  = ON          */
  ISFPREFIX   = "PDSM*"                       /* PREFIX  = PDSM*       */
  ISFSYSNAME  = "*"                           /* SYSNAME = *           */
  ISFOWNER    = "*"                           /* OWNER   = *           */
  ISFDELAY    = 0                             /* DELAY   = 0           */
  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
```


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DA ALL – Obtain STC File

- Obtain and display JESMSGLG of CICSU2A7 started task

- Code

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

ADDRESS TSO
  "ALLOC F(FILEOUT) UNIT(VIO) NEW REUSE",      /* Output file         */
        "CYLINDERS SPACE(5 5) RECFM(F B A)"
  "ALLOC FI(ISFOUT) SYSOUT(9) REUSE",          /* Delete report       */
        "RECFM(F B A) LRECL(133) BLKSIZE(0)"
  "ALLOC F(ISFIN) UNIT(VIO) NEW REUSE",        /* Input parameters    */
        "RECFM(F B) BLK(3120) LRECL(80)",
        "SPACE(5 5) 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     */
  QUEUE " PRINT FILE FILEOUT"                  /* Open FILEOUT        */
```


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DA ALL – Obtain STC File (Continued)

- Obtain and display JESMSGLG of CICSU2A7 started task

- Code

```
  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
```


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Links

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2013 – February – San Francisco, CA		
12748	Tom Wasik	SDSF for New Users – Hands on Lab
13031	Bruce Koss	SDSF – Beyond the Basics
2012 – August – Anaheim, CA		
11569	Chip Wood	SDSF for New Users – Hands on Lab
11701	Chip Wood	Accessing SDSF data using REXX and JAVA
2012 – March – Atlanta, GA		
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10644	Chip Wood	What's new in SDSF z/OS V1.13?
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9720	Chip Wood	What's new in SDSF z/OS 1.13?
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8683	Chip Wood	SDSF for New Users – Hands on Lab
8919	Chip Wood	SDSF: What's New in z/OS 1.12?

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2010 – August – Boston, MA		
7420	Chip Wood	SDSF for New Users
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2341	Rod Freak	SDSF Rexx in a Production Environment – User Experience
2009 – August – Denver, CO		
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2009 – March – Austin, TX		
2663	Chip Wood	What's new in SDSF z/OS V1.10?
2664	Chip Wood	SDSF REXX
2008 – August – San Jose, CA		
2663	Chip Wood	What's new in SDSF z/OS 1.10?
2664	Chip Wood	SDSF REXX

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2008 – February – Orlando, FL		
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
2670	Chip Wood	SDSF REXX
2671	Greg Thompson	Using the new SDSF REXX API in z/OS 1.9, Hints and Tips from System Test
2007 – August – San Diego, CA		
2670	Tom Wasik	SDSF REXX
2671	Greg Thompson	Using the new SDSF REXX API in z/OS 1.9 Hints and Tips from System Test
2672	Tom Wasik	SDSF for Intermediate Users
2007 – February – Tampa Bay, FL		
2671	Bill Keller	SDSF Recent and Future Changes
2672	Bill Keller	SDSF for Intermediate Users
2006 – August – Baltimore, MD		
2671	Bill Keller	SDSF Recent Changes

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2006 – March – Seattle, WA		
2671	Bill Keller	SDSF Changes for z/OS V1R7
2005 – August – Boston, MA		
2671	Bill Keller	SDSF Changes for z/OS V1R7

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IBM

Version	Manual	Link
Website	N/A	SDSF Downloads
Red Manual	SG24-7419-00	Implementing REXX Support in SDSF
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

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Any questions or comments please contact

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