

SDSF Hidden Treasures

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Fun with LOG

Complete your sessions evaluation online at [SHARE.org/BostonEval](https://www.share.org/BostonEval)

View the System Log

- View the system log online (**LOG S**)
- View a merged sysplex log (**LOG O**)

```

COMMAND INPUT==> FIND HASP395 SCROLL==> CSR
N 4000000 SY1 2013203 16:37:20.94 JOB231 395 DIANAM ENDE
NC0000000 SY1 2013203 16:37:21.33 INTERN 6.37.21 JOB2318
N 0000000 SY1 2013203 16:37:21.37 TSU21704 00000081 IEF126I RIMFIRE - LO
N 4000000 SY1 2013203 16:37:21.37 TSU21704 00000091 $HASP395 RIMFIRE END
N 0000000 SY1 2013203 16:37:26.65 00000291 IEA989I SLIP TRAP ID=X33
N 0200000 SY1 2013203 16:37:29.08 JOB23211 00000081 $HASP100 D96CLW1C ON
8000000 SY1 01.10.09 STC17351 *60 DSI802A CNM03 REPLY WITH VALID NCCE SY
8000000 SY1 01.04.42 *57 DSI802A M03AO REPLY WITH V
0002000 SY1 01.49.45 STC15235 *12 DENQ002D ENQ Mon
***** BOTTOM OF DATA *****

```

Search log data

WTORs listed
below the
log data

Locating records by time/date

- LOCATE command can find records in log by time or time and date

```

COMMAND INPUT==> LOC 16:37:00
N 4000000 SY1 2013223 16:37:20.94 JOB23185 00000
NC0000000 SY1 2013223 16:37:21.33 INTERNAL 00000
N 0000000 SY1 2013223 16:37:21.37 TSU21704 00000081 IEF126I RIMFIRE - LO
N 4000000 SY1 2013223 16:37:21.37 TSU21704 00000081 $HASP395 RIMFIRE END

COMMAND INPUT==> LOC 16:37:00 08/05/2013
N 4000000 SY1 2013218 16:37:20.94 JOB23185 00000
NC0000000 SY1 2013218 16:37:21.33 INTERNAL 00000
N 0000000 SY1 2013218 16:37:21.37 TSU21704 00000081 IEF126I RIMFIRE - LO
N 4000000 SY1 2013218 16:37:21.37 TSU21704 00000091 $HASP395 RIMFIRE END
N 0000000 SY1 2013218 16:37:26.65 00000291 IEA989I SLIP TRAP ID=X33
N 0200000 SY1 2013218 16:37:29.08 JOB23211 00000081 $HASP100 D96CLW1C ON
  
```

Date and time format

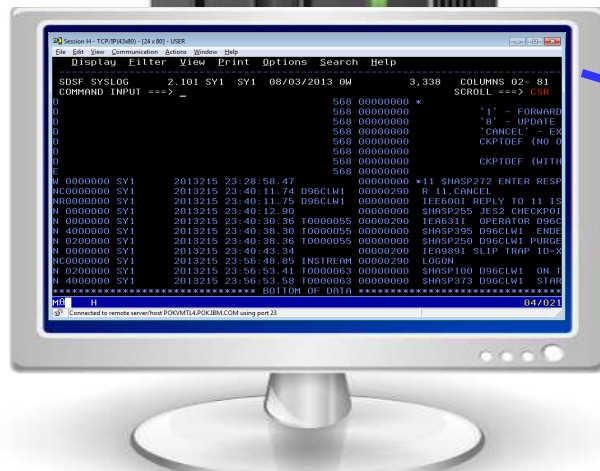
- Time format is always hh:mm:ss
- Date format uses SET DATE value to distinguish month from day
 - 08/05/2013 or 2013/08/05 are equivalent
 - Any of the valid separators can be used (slash(/) dash(-) period(.))
- Syntax is **SET DATE *format separator***
 - ***format*** is mmddyy, ddmmyy, yyyyymmdd, etc. and controls display format as well as LOCATE syntax
 - ***separator*** is one of / - or .

SDSF SYSLOG display (LOG S)

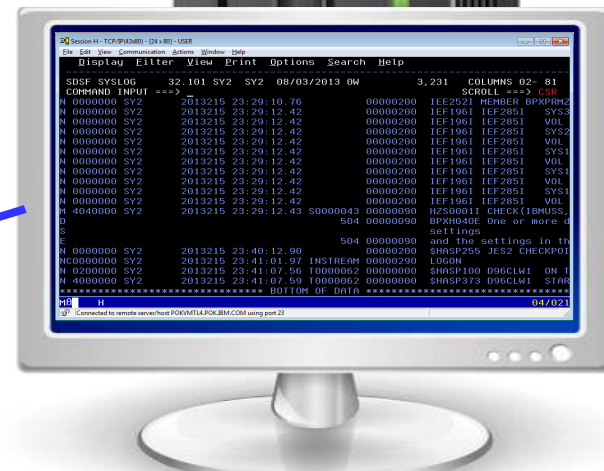
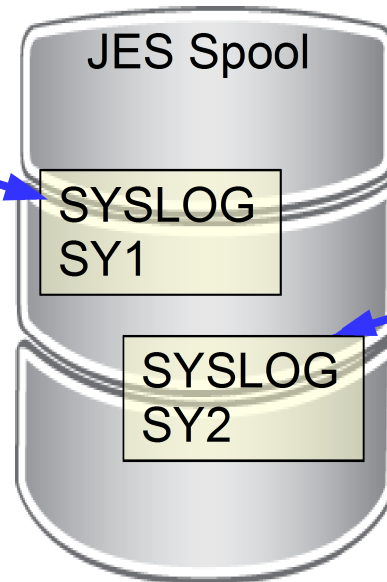
SYSLOG for each system is stored separately on the JES SPOOL

SY1

SY2



LOG S (SYSLOG)



LOG S (SYSLOG)

LOG S (Syslog)

Display	Filter	View	Print	Options	SYSID of system being viewed		
-----					SYSID of local system -----		
SDSF SYSLOG		2.101	SY1	SY1	08/03/2013 1W	- 81	
COMMAND INPUT ==>					SCROLL ==> CSR		
N 4000000	SY1	2013215	21:28:43.68	T0000055	00000000	\$HASP373 D96CLW1	STAR
M 4040000	SY1	2013215	21:29:27.27		00000000	IXC104I	SYSTEM STATUS
D				514	00000000	SYSTEM CANNOT TARGET	
D				514	00000000	REASON: SYSPLEX CO	
D				514	00000000	SYSTEM IS NOT ELIGIB	
E				514	00000000	REASON: SYSPLEX CO	
NC0000000	SY1	2013215	21:38:04.70	C3E0SY1	00000290	V OPERLOG,HARDCPY	
N 0000000	SY1	2013215	21:38:04.88		00000200	IEA630I	OPERATOR *OPL
NC0000000	SY1	2013215	21:38:05.01	C3E0SY1	00000290	D C,HC,L=Z	
MR0000000	SY1	2013215	21:38:05.02	C3E0SY1	00000090	CNZ4100I	21.38.05 CONS
LR				520	00000090	CONSOLES MATCHING COMM	
LR				520	00000090	MSG:CURR=2 LIM=9900	
DR				520	00000090	HARDCOPY LOG=(SYSLOG,	
DR				520	00000090	ROUT=(ALL)	
ER				520	00000090	LOG BUFFERS IN USE: 0	
M 0040000	SY1	2013215	21:38:05.24		00000200	IXL014I	IXLCONN REQUES
D				521	00000200	WAS SUCCESSFUL. JOBNA	
E				521	00000200	CONNECTOR NAME: IXGLOG	
0000000	SY2	22.03.10		*10	\$HASP272	ENTER RESPONSE (ISSUE D R,MSG=\$H	
***** BOTTOM OF DATA *****							

WTORs from **all** systems are displayed

Viewing SYSLOG for other systems

Display Filter View Print Options

SYSID of system being viewed

SDSF SYSLOG 32.101 SY2 SY1 08/03/2013 1W

SYSID of local system

- 81

COMMAND INPUT ==> sysid sy2 SCROLL ==> CSR

D				460	00000200	CFNAME:
D				460	00000200	ALLOCATION SIZE:
D				460	00000200	MAX STRUCTURE SIZE:
D				460	00000200	POLICY SIZE:
D				460	00000200	ENTRY COUNT:
D				460	00000200	ELEMENT COUNT:
D				460	00000200	ENTRY:ELEMENT RATIO:
E				460	00000200	ALLOCATION SIZE IS WIT
M	0040000	SY2	2013215 21:37:40.57		00000200	IXL014I IXLCONN REQUES
D				461	00000200	WAS SUCCESSFUL. JOBNA
E				461	00000200	CONNECTOR NAME: IXLGLOG
M	C000000	SY2	2013215 21:37:40.57		00000200	IXL015I STRUCTURE ALLO
D				462	00000200	STRUCTURE LIST01, CONN
D				462	00000200	CONNECTIVITY=DEFAULT
D				462	00000200	CFNAME ALLOCATION
D				462	00000200	-----
D				462	00000200	LF02 NO CONNECT
E				462	00000200	LF01 STRUCTURE
0000000 SY2 22.03.10 *10 \$HASP272 ENTER RESPONSE (ISSUE D R,MSG=\$H						
***** BOTTOM OF DATA *****						

WTORs from **all** systems are displayed

SDSF OPERLOG display (LOG O)

OPERLOG messages
are stored in a shared
logstream on coupling
facility

SY1

SY2

Logstream
CF
structure

LOG O (OPERLOG)

LOG O (OPERLOG)

Complete your sessions evaluation online at SHARE.org/BostonEval

LOG O (Operlog)

Display	Filter	View	Print	Of	SYSID of local system	
SDSF OPERLOG	SY1	08/03/2013	1W		COLUMNS 02- 81	
COMMAND INPUT	===>				SCROLL ===>	CSR
E				461	00000200	CONNECTOR NAME: IXGLOG
M C000000 SY2		2013215 21:37:40.57			00000200	IXL015I STRUCTURE ALLO
D				462	00000200	STRUCTURE LIST01, CONN
D				462	00000200	CONNECTIVITY=DEFAULT
D				462	00000200	CFNAME ALLOCATION
D				462	00000200	-----
D				462	00000200	LF02 NO CONNECT
E				462	00000200	LF01 STRUCTURE
NC0000000 SY1		2013215 21:38:05.01	C3E0SY1	00000290		D C,HC,L=Z
MR0000000 SY1		2013215 21:38:05.02	C3E0SY1	00000090		CNZ4100I 21.38.05 CONS
LR				520	00000090	CONSOLES MATCHING COMM
LR				520	00000090	MSG:CURR=2 LIM=9900
DR				520	00000090	HARDCOPY LOG=(SYSLOG,
DR				520	00000090	ROUT=(ALL)
ER				520	00000090	LOG BUFFERS IN USE: 0
M 0040000 SY1		2013215 21:38:05.24			00000200	IXL014I IXLCONN REQUES
D				521	00000200	WAS SUCCESSFUL. JOBNA
E				521	00000200	CONNECTOR NAME: IXGLOG
0000000 SY2		22.03.10	*10 \$HASP272			ENTER RESPONSE (ISSUE D R,MSG=\$H
***** BOTTOM OF DATA *****						

Customizing colors in Operlog display

```
Display Filter View Print Options Search Help
-----
SDSF OPERLOG SY1      08/03/2013      OW      COLUMNS 02- 81
COMMAND INPUT ==> set screen          SCROLL ==> CSR

E
M C000000 SY2      2013215 2
D
D
D
D
D
D
E
NC0000000 SY1      2013215 2
MR0000000 SY1      2013215 2
LR
LR
DR
DR
ER
M 0040000 SY1      2013215 21:38:05.24
D
E
0000000 SY2      22.03.10      *10 $HASP272
***** BOTTOM OF DATA *****
```

Set Screen Characteristics

Select the elements that you want to customize.

2 1. Basic settings and tabular panels
2. OPERLOG panel

F1=Help F12=Cancel

Customizing colors in Operlog display

```
Disp
-----
SDSF O
COMMAN
E
M C0000
D
D
D
D
D
E
NC00000
MR00000
LR
LR
DR
DR
ER
M 00400
D
E
0000000
*****
```

Set Screen Characteristics: OPERLOG Panel

Use color and highlighting 1 1. Yes 2. No More: +

Type values to override the original color and highlighting.
Press F5/17 to see changes.

Descriptor code	Color	Highlight	Intensity
1 - System failure			
2 - Immediate action required			
3 - Eventual action required			
4 - System status			
5 - Immediate command response	<u>RED</u>	<u>USCORE</u>	
6 - Job status			
7 - Task-related	BLUE		
8 - Out of line			
9 - Operator's request			
10 - Not defined			
11 - Critical eventual action			
12 - Important information			

F1=Help F5=Refresh F6=Default F11=Cuaattr F12=Cancel

Displaying Operlog messages for a single system

Display Filter View Print Options Search Help									
Number of active filters									

SDSF OPERLOG		SY1	08/03/2013		0W	1	FILTER	COLUMNS 02- 81	
COMMAND INPUT		==>	<u>filter sysname eq sy2</u>					SCROLL ==> CSR	
E						473	00000090	IXCH0242E One or more	
N	0000000	SY2	2013215	22:29:08.57			00000200	IEE252I MEMBER BPXPRMZ	
N	0000000	SY2	2013215	22:29:10.24			00000200	IEF196I IEF285I SYS3	
N	0000000	SY2	2013215	22:29:10.24			00000200	IEF196I IEF285I VOL	
N	0000000	SY2	2013215	22:29:10.24			00000200	IEF196I IEF285I SYS2	
N	0000000	SY2	2013215	22:29:10.24			00000200	IEF196I IEF285I VOL	
N	0000000	SY2	2013215	22:29:10.24			00000200	IEF196I IEF285I SYS1	
N	0000000	SY2	2013215	22:29:10.24			00000200	IEF196I IEF285I VOL	
N	0000000	SY2	2013215	22:29:10.24			00000200	IEF196I IEF285I SYS1	
N	0000000	SY2	2013215	22:29:10.24			00000200	IEF196I IEF285I VOL	
N	0000000	SY2	2013215	22:29:10.24			00000200	IEF196I IEF285I SYS1	
N	0000000	SY2	2013215	22:29:10.24			00000200	IEF196I IEF285I VOL	
M	4040000	SY2	2013215	22:29:10.25	S0000043		00000090	HZS0001I CHECK(IBMUSS,	
D						485	00000090	BPXH040E One or more d	
S								settings	
E						485	00000090	and the settings in th	
NC	00000000	SY2	2013215	22:41:49.47	D96CLW1		00000290	R 10,CANCEL	
NR	00000000	SY2	2013215	22:41:49.48	D96CLW1		00000000	IEE600I REPLY TO 10 IS	
N	0000000	SY2	2013215	22:41:50.62			00000000	\$HASP255 JES2 CHECKPOI	

Filter popup for Operlog

Display Filter

SDSF OPERLOG S

COMMAND INPUT =

E

N 0000000 SY2

N 0000000 SY2

N 0000000 SY2

N 0000000 SY2

N 0000000 SY2

N 0000000 SY2

N 0000000 SY2

N 0000000 SY2

N 0000000 SY2

N 0000000 SY2

N 0000000 SY2

N 0000000 SY2

M 4040000 SY2

D

S

E

NC

NF

N 0000000 SY2

Filter

Row 1 to 9 of 25

Command ==> _____

Type filter criteria. Press F4/16 in the Column or Oper field for values, or in the Value field for system symbols. Press F11/23 to clear all filter criteria.

Filtering is ON

AND/OR between columns AND (AND/OR)

AND/OR within a column OR (AND/OR)

Column	Oper	Value (may include * and %)
<u>SYSNAME</u>	<u>EQ</u>	<u>SY2</u>
<u>SYSNAME</u>	<u>EQ</u>	<u>&SYSNAME</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

You can use a system symbolic for the filter value starting in z/OS 2.1

Display Filter

SDSF OPERLOG S

COMMAND INPUT =

E

N 0000000 SY2

N 0000000 SY2

N 0000000 SY2

N 0000000 SY2

N 0000000 SY2

N 0000000 SY2

N 0000000 SY2

N 0000000 SY2

N 0000000 SY2

N 0000000 SY2

N 0000000 SY2

M 4040000 SY2

D

S

E

NC0000000 SY2

NR0000000 SY2

N 0000000 SY2

Command ==> _____

Filter

Row 1 to 9 of 25

Type f
field
Press

Column Select

Row 1 to 9 of 9

Command ==> _____

Selection: _____

1. SYSNAME
2. DATE
3. TIME
4. DATETIME
5. JOBNAME
6. JOBID
7. CONSOLE
8. MSGID
9. MSGTEXT

***** Bottom of data *****

Displaying Operlog messages for a single job

Display Filter View Print Options Search Help

```

SDSF OPERLOG SY1 08/14/2013 0W 1 FILTER COLUMNS 02- 81
COMMAND INPUT ==> filter jobid eq job31268 SCROLL ==> CSR
N 0200000 AQFT 13226 13:53:08.13 JOB31268 00000281 $HASP250 FTP PURGED -- (
N 0200000 AQFT 13227 08:27:36.75 JOB31268 00000281 $HASP100 D96CLW1G ON INT
S D96CLW1
N 0000000 AQFT 13227 08:27:36.76 JOB31268 00000280 IRR010I USERID D96CLW1
N 0020000 AQTS 13227 08:27:37.55 JOB31268 00000281 ICH70001I D96CLW1 LAST
N 4000000 AQTS 13227 08:27:37.55 JOB31268 00000291 $HASP373 D96CLW1G STARTE
N 0000000 AQTS 13227 08:27:37.56 JOB31268 00000291 IEF403I D96CLW1G - START
N 0004000 AQTS 13227 08:27:39.17 JOB31268 00000290 - =====
S =====
N 0004000 AQTS 13227 08:27:39.17 JOB31268 00000290 -
S -----PA
N 0004000 AQTS 13227 08:27:39.17 JOB31268 00000290 - STEPNAME PROCSTEP PGMN
S EXCP SERV PAGE
N 0004000 AQTS 13227 08:27:39.17 JOB31268 00000290 - ISFAACTP PLX AKHP
S 2798 31372 0
N 0004000 AQTS 13227 08:27:40.25 JOB31268 00000290 - ISFAAFD PLX AKHP
S 2142 30559 0
N 0004000 AQTS 13227 08:27:41.32 JOB31268 00000290 - ISFAAPPC PLX AKHP
S 28131 0
    
```

Beware: This can be very slow for a large operlog

Tip – Auto-refresh the Log

- New log data is added to the bottom
- & command repeats a command at an interval
- Use “attention” key to stop auto-refresh
 - Make sure you know where that is in your 3270 emulator!!!!

```

COMMAND INPUT==> BOT &15
N 4000000 SY1 2013203 16:37:20.94 JOB23185 000
NC0000000 SY1 2013203 16:37:21.33 INTERNAL 000
N 0000000 SY1 2013203 16:37:21.37 TSU21704 000
N 4000000 SY1 2013203 16:37:21.37 TSU21704 000
N 0000000 SY1 2013203 16:37:26.65 00000291 IEA
N 0200000 SY1 2013203 16:37:29.08 JOB23211 00000081 $HASP100 D96CLWIC ON INT
8000000 SY1 01.10.09 STC17351 *60 DSI802A CNM03 REPLY WITH VALID NCCF SY
8000000 SY1 01.04.42 *57 DSI802A M03AO REPLY WITH VALID NCCF SY
0002000 SY1 01.49.45 STC15235 *12 DENQ002D ENQ Monitor - Reply 'ENQ' or 'E
***** BOTTOM OF DATA *****
  
```

Scroll the log to the bottom every 15 seconds

Tip: Emulator

Wide 3270 emulator session shows more data:

```
SDSF SYSLOG 12.101 SY1 SY1 08/06/2013 0W 3021 COLUMNS 1 80
COMMAND INPUT ==> SCROLL ==> CSR
N 4040000 SY1 2013218 09:01:16.49 00000090 CEA0107I COMMON EVENT
M 4040000 SY1 2013218 09:02:07.76 S0000014 00000090 HZS0001I CHECK(IBMCSV,
E 310 00000090 CSVH0957E Problem(s) w
M 4040000 SY1 2013218 09:02:16.61 S0000014 00000090 *HZS0003E CHECK(IBMRA CF
D 311 00000090 IRRH204E The RACF_SENS
```

80-char
session

Command line
is unchanged

```
SDSF SYSLOG 12.101 SY1 SY1 08/06/2013 0W 3032 COLUMNS 1 132
COMMAND INPUT ==> SCROLL ==> CSR
N 4040000 SY1 2013218 09:01:16.49 00000090 CEA0107I COMMON EVENT ADAPTER IS RUNNING IN FULL FUNCTION MODE.
M 4040000 SY1 2013218 09:02:07.76 S0000014 00000090 HZS0001I CHECK(IBMCSV,CSV_APF_EXISTS): 310
E 310 00000090 CSVH0957E Problem(s) were found with data sets in the APF list.
M 4040000 SY1 2013218 09:02:16.61 S0000014 00000090 *HZS0003E CHECK(IBMRA CF,RACF_SENSITIVE_RESOURCES): 311
D 311 00000090 IRRH204E The RACF_SENSITIVE_RESOURCES check has found one or
```

132-char
session

More message
text is visible

SR (System Response) Panel



Display Filter View Print Options Search Help

SDSF SYSTEM REQUESTS RM 1 IM 3 CEM 6 EM 74 LINE 68-84 (84)

COMMAND INPUT ==> _____ SCROLL ==> **CSR**

PREFIX>** DEST=LOCAL OWNER=* SYSNAME=*

ACTION=// -Block,=-Repeat,+ -Extend,AI-AutoReplyIgnore,C-Remove,D-Display,R-Reply

NP	REPLYID	SysName	JobName	Message-Text
	23002	SY2	HZSPROC	HZS0002E CHECK(IBMRA CF,RACF_UNIX_ID):
	25002	SY2	HZSPROC	HZS0002E CHECK(IBMRA CF,RACF_TEMPDSN_ACTIV
	26002	SY2	HZSPROC	HZS0002E CHECK(IBMRA CF,RACF_IBMUSER_REVOK
	27002	SY2	HZSPROC	HZS0002E CHECK(IBMRA CF,XCF_CF_PROCESSORS):
	29002	SY2	HZSPROC	HZS0002E CHECK(IBMRA CF,XCF_TCLASS_CLASSLEN
	40002	SY2	HZSPROC	HZS0002E CHECK(IBMRA CF,RACF_CERTIFICATE_E
	42002	SY2	HZSPROC	HZS0002E CHECK(IBMCS,CSTCP_CINET_PORTRNG_
	43002	SY2	HZSPROC	*HZS0003E CHECK(IBMRA CF,RACF_SENSITIVE_RES
	48002	SY2	HZSPROC	HZS0002E CHECK(IBMUS S,USS_FILESYS_CONFIG)
	44002	SY2	HZSPROC	HZS0002E CHECK(IBMUS S,USS_FILESYS_CONFIG)
	47002	SY2	HZSPROC	HZS0002E CHECK(IBMUS S,USS_FILESYS_CONFIG)
	46002	SY2	HZSPROC	HZS0002E CHECK(IBMUS S,USS_FILESYS_CONFIG)
	45002	SY2	HZSPROC	HZS0002E CHECK(IBMUS S,USS_FILESYS_CONFIG)
	52002	SY2	JES2	*\$HASP271 CHECKPOINT RECONFIGURATION OPTIO
	50002	SY2	JES2	*\$HASP233 REASON FOR JES2 CHECKPOINT RECON
	51002	SY2	JES2	*\$HASP285 JES2 CHECKPOINT RECONFIGURATION
	10	SY2	JES2	*10 \$HASP272 ENTER RESPONSE (ISSUE D R,MSG

SR (System Response) Panel

```

Display  Filter  View  Print  Options  Search  Help
-----
SDSF SYSTEM REQUESTS  RM 1      IM 3      CEM 6      EM 74      LINE 1-1 (1)
COMMAND INPUT ==> sr r _____ SCROLL ==> CSR
PREFIX=**  DEST=LOCAL  OWNER=*  SYSNAME=*
ACTION=// -Block,=-Repeat,+ -Extend,AI-AutoReplyIgnore,C-Remove,D-Display,R-Reply
NP      REPLYID      SysName      JobName      Message-Text
      10            SY2            JES2            *10 $HASP272 ENTER RESPONSE (ISSUE D R,MSG
  
```

SR R – displays WTORs only

SR panel – Display complete message

```
Display  Filter  View  Print  Options  Search  Help
-----
SDSF SYSTEM REQUESTS  RM 1      IM 3      CEM 6      EM 74      LINE 68-84 (84)
COMMAND INPUT ==> _____ SCROLL ==> CSR
PREFIX=**  DEST=LOCAL  OWNER=*  SYSNAME=*
ACTION=// -Block,=-Repeat,+ -Extend,AI-AutoReplyIgnore,C-Remove,D-Display,R-Reply
NP      REPLYID      Message-Text
23002   HZS0002E  CHECK(IBMRA CF,RACF_UNIX_ID):
25002   HZS0002E  CHECK(IBMRA CF,RACF_TEMPDSN_ACTIVE):
26002   HZS0002E  CHECK(IBMRA CF,RACF_IBMUSER_REVOKED):
27002   HZS0002E  CHECK(IBMXC F,XCF_CF_PROCESSORS):
29002   HZS0002E  CHECK(IBMXC F,XCF_TCLASS_CLASSLEN):
40002   HZS0002E  CHECK(IBMRA CF,RACF_CERTIFICATE_EXPIRATION):
42002   HZS0002E  CHECK(IBMCS,CSTCP_CINET_PORTRNG_RSV_TCPIP):
43002   *HZS0003E  CHECK(IBMRA CF,RACF_SENSITIVE_RESOURCES):
48002   HZS0002E  CHECK(IBMUS S,USS_FILESYS_CONFIG):
44002   HZS0002E  CHECK(IBMUS S,USS_FILESYS_CONFIG):
47002   HZS0002E  CHECK(IBMUS S,USS_FILESYS_CONFIG):
46002   HZS0002E  CHECK(IBMUS S,USS_FILESYS_CONFIG):
45002   HZS0002E  CHECK(IBMUS S,USS_FILESYS_CONFIG):
d 52002   *$HASP271 CHECKPOINT RECONFIGURATION OPTIONS
50002   *$HASP233 REASON FOR JES2 CHECKPOINT RECONFIGURATION IS OPER
51002   *$HASP285 JES2 CHECKPOINT RECONFIGURATION STARTED - DRIVEN B
10      *10 $HASP272 ENTER RESPONSE (ISSUE D R,MSG=$HASP271 FOR RELA
```

Results in "DISPLAY R,CN=(ALL),MSG=\$HASP271"

SR panel – Display results

```
Display  Filter  View  Print  Options  Search  Help
-----
SDSF SYSTEM REQUESTS  RM 1      IM 3      CEM 6      EM 74      COMMAND ISSUED
COMMAND INPUT ==> _____ SCROLL ==> CSR
RESPONSE=SY1
IEE112I 22.21.14 PENDING REQUESTS 532
RM=1      IM=3      CEM=6      EM=74      RU=0      IR=0      AMRF
ID:R/K      T MESSAGE TEXT
      52002 I *$HASP271 CHECKPOINT RECONFIGURATION OPTIONS

      VALID RESPONSES ARE:

      '1' - FORWARD CKPT1 TO NEWCKPT1
      '8' - UPDATE AND START USING CKPT2
      'CANCEL' - EXIT FROM RECONFIGURATION
      CKPTDEF (NO OPERANDS) - DISPLAY MODIFIABLE
                           SPECIFICATIONS
      CKPTDEF (WITH OPERANDS) - ALTER MODIFIABLE
                           SPECIFICATIONS

45002      HZS0002E CHECK(IBMUSS,USS_FILESYS_CONFIG):
52002      *$HASP271 CHECKPOINT RECONFIGURATION OPTIONS
50002      *$HASP233 REASON FOR JES2 CHECKPOINT RECONFIGURATION IS OPER
51002      *$HASP285 JES2 CHECKPOINT RECONFIGURATION STARTED - DRIVEN B
10         *10 $HASP272 ENTER RESPONSE (ISSUE D R,MSG=$HASP271 FOR RELA
```

SR Panel – Display results (ULOG)

```
Display  Filter  View  Print  Options  Search  Help
-----
SDSF ULOG  CONSOLE D96CLW1                LINE 20          COLUMNS 02- 81
COMMAND INPUT ===>                        SCROLL ===>  CSR
SY1      2013215  22:21:14.89      -DISPLAY R,CN=(ALL),MSG=$HASP271
SY1      2013215  22:21:14.91      IEE112I 22.21.14 PENDING REQUESTS 532
                                      RM=1    IM=3    CEM=6    EM=74    R
                                      ID:R/K    T MESSAGE TEXT
                                      52002 I *$HASP271 CHECKPOINT REC

                                      VALID RESPONSE

                                      '1' - FORWARD
                                      '8' - UPDATE A
                                      'CANCEL' - EXI
                                      CKPTDEF (NO OP

                                      CKPTDEF (WITH

***** BOTTOM OF DATA *****
```


SR panel – reply to message

```
Display  Filter  View  Print  Options  Search  Help
-----
SDSF SYSTEM REQUESTS  RM 1      IM 3      CEM 6      EM 74      LINE 68-84 (84)
COMMAND INPUT ==> _____ SCROLL ==> CSR
PREFIX=**  DEST=LOCAL  OWNER=*  SYSNAME=*
ACTION=//-Block,=-Repeat,+ -Extend,AI-AutoReplyIgnore,C-Remove,D-Display,R-Reply
NP      REPLYID      Message-Text
23002   HZS0002E  CHECK(IBMRA CF,RACF_UNIX_ID):
25002   HZS0002E  CHECK(IBMRA CF,RACF_TEMPDSN_ACTIVE):
26002   HZS0002E  CHECK(IBMRA CF,RACF_IBMUSER_REVOKED):
27002   HZS0002E  CHECK(IBMXC F,XCF_CF_PROCESSORS):
29002   HZS0002E  CHECK(IBMXC F,XCF_TCLASS_CLASSLEN):
40002   HZS0002E  CHECK(IBMRA CF,RACF_CERTIFICATE_EXPIRATION):
42002   HZS0002E  CHECK(IBMCS,CSTCP_CINET_PORTRNG_RSV_TCPIP):
43002   *HZS0003E  CHECK(IBMRA CF,RACF_SENSITIVE_RESOURCES):
48002   HZS0002E  CHECK(IBMUS S,USS_FILESYS_CONFIG):
44002   HZS0002E  CHECK(IBMUS S,USS_FILESYS_CONFIG):
47002   HZS0002E  CHECK(IBMUS S,USS_FILESYS_CONFIG):
46002   HZS0002E  CHECK(IBMUS S,USS_FILESYS_CONFIG):
45002   HZS0002E  CHECK(IBMUS S,USS_FILESYS_CONFIG):
52002   *$HASP271  CHECKPOINT RECONFIGURATION OPTIONS
50002   *$HASP233  REASON FOR JES2 CHECKPOINT RECONFIGURATION IS OPER
51002   *$HASP285  JES2 CHECKPOINT RECONFIGURATION STARTED - DRIVEN B
r8      10      *10 $HASP272 ENTER RESPONSE (ISSUE D R,MSG=$HASP271 FOR RELA
```

Results in "r 10,8"

What if the message response is “long”?

```
Display Filter View Print Options Search Help
-----
SDSF SYSTEM REQUESTS  RM 1      IM 3      CEM 6      EM 74      LINE 68-84 (84)
COMMAND INPUT ==> _____ SCROLL ==> CSR
PREFIX=**  DEST=LOCAL  OWNER=*  SYSNAME=*
ACTION=//-Block,=-Repeat,+-Extend,AI-AutoReplyIgnore,C-Remove,D-Display,R-Reply

Reply Command Extension

*10 $HASP272 ENTER RESPONSE (ISSUE D R,MSG=$HASP271 FOR RELATED
MSG)

Complete the reply text, then press Enter.

==>  R 10, _____
==>  _____

F1=Help  F12=Cancel

46002      HZS0002E CHECK(IBMUSS,USS_FILESYS_CONFIG):
45002      HZS0002E CHECK(IBMUSS,USS_FILESYS_CONFIG):
52002      *$HASP271 CHECKPOINT RECONFIGURATION OPTIONS
50002      *$HASP233 REASON FOR JES2 CHECKPOINT RECONFIGURATION IS OPER
51002      *$HASP285 JES2 CHECKPOINT RECONFIGURATION STARTED - DRIVEN B
r 10       *10 $HASP272 ENTER RESPONSE (ISSUE D R,MSG=$HASP271 FOR RELA
```

Results in popup menu for reply

Actions and Overtypes

Complete your sessions evaluation online at [SHARE.org/BostonEval](https://share.org/BostonEval)

Block commands – action characters

Display Filter View Print Options Search Help							
SDSF OUTPUT ALL CLASSES ALL FORMS				LINES 1,990		LINE 19-36 (38)	
COMMAND INPUT ==>				SCROLL ==> CSR			
PREFIX=** DEST=LOCAL OWNER=* SORT=JobID/A SYSNAME=*							
NP	JOBNAME	JobID	Owner	Prt	C	Max-RC	Forms Dest
	DEALLOC	S0000034	SYSTASK	144	W	CC 0000	STD LOCAL
//p	DEALLOC	S0000035	SYSTASK	144	W	CC 0000	STD LOCAL
	DEALLOC	S0000036	SYSTASK	144	W	CC 0000	STD LOCAL
	DEALLOC	S0000037	SYSTASK	144	W	CC 0000	STD LOCAL
	DEALLOC	S0000038	SYSTASK	144	W	CC 0000	STD LOCAL
	DEALLOC	S0000039	P (purge) action issued for all rows in this range				
	DEALLOC	S0000040					
	DEALLOC	S0000041	SYSTASK	144	W	CC 0000	STD LOCAL
	DEALLOC	S0000042	SYSTASK	144	W	CC 0000	STD LOCAL
	DEALLOC	S0000043	SYSTASK	144	W	CC 0000	STD LOCAL
	DEALLOC	S0000044	SYSTASK	144	W	CC 0000	STD LOCAL
	DEALLOC	S0000045	SYSTASK	144	W	CC 0000	STD LOCAL
	DEALLOC	S0000046	SYSTASK	144	W	CC 0000	STD LOCAL
	DEALLOC	S0000047	SYSTASK	144	W	CC 0000	STD LOCAL
	DEALLOC	S0000048	SYSTASK	144	W	CC 0000	STD LOCAL
//	DEALLOC	S0000049	SYSTASK	144	W	CC 0000	STD LOCAL
	DEALLOC	S0000050	SYSTASK	144	W	CC 0000	STD LOCAL
	DEALLOC	S0000051	SYSTASK	144	W	CC 0000	STD LOCAL

Block commands - overtypes

Display Filter View Print Options Search Help

SDSF OUTPUT ALL CLASSES ALL FORMS LINES 1,990 LINE 19-36 (38)

COMMAND INPUT ==> SCROLL ==> CSR

PREFIX=** DEST=LOCAL OWNER=* SORT=JobID/A SYSNAME=*

NP	JOBNAME	JobID	Owner	Prty	C	Max-RC	Forms	Dest
	DEALLOC	S0000034	SYSTASK	144	W	CC 0000	STD	LOCAL
//	DEALLOC	S0000035	SYSTASK	144	c	CC 0000	STD	LOCAL
	DEALLOC	S0000036	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000037	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000038	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000039	Class overtime processed for all rows in this range					
	DEALLOC	S0000040						
	DEALLOC	S0000041						
	DEALLOC	S0000042	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000043	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000044	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000045	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000046	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000047	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000048	SYSTASK	144	W	CC 0000	STD	LOCAL
//	DEALLOC	S0000049	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000050	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000051	SYSTASK	144	W	CC 0000	STD	LOCAL

Block commands – multiple overtypes

Display Filter View Print Options Search Help							
SDSF OUTPUT ALL CLASSES ALL FORMS				LINES 1,990		LINE 19-36 (38)	
COMMAND INPUT ==>				SCROLL ==> CSR			
PREFIX=** DEST=LOCAL OWNER=* SORT=JobID/A SYSNAME=*							
NP	JOBNAME	JobID	Owner	Prty C	Max-RC	Forms	Dest
	DEALLOC	S0000034	SYSTASK	144 W	CC 0000	STD	LOCAL
//	DEALLOC	S0000035	SYSTASK	144 c	CC 0000	STD	n2.fred
	DEALLOC	S0000036	SYSTASK	144 W	CC 0000	STD	LOCAL
	DEALLOC	S0000037	SYSTASK	144 W	CC 0000	STD	LOCAL
	DEALLOC	S0000038	SYSTASK	144 W	CC 0000	STD	LOCAL
	DEALLOC	S0000039	Class and routecode overwrite processed for all rows in this range				
	DEALLOC	S0000040					
	DEALLOC	S0000041					
	DEALLOC	S0000042	SYSTASK	144 W	CC 0000	STD	LOCAL
	DEALLOC	S0000043	SYSTASK	144 W	CC 0000	STD	LOCAL
	DEALLOC	S0000044	SYSTASK	144 W	CC 0000	STD	LOCAL
	DEALLOC	S0000045	SYSTASK	144 W	CC 0000	STD	LOCAL
	DEALLOC	S0000046	SYSTASK	144 W	CC 0000	STD	LOCAL
	DEALLOC	S0000047	SYSTASK	144 W	CC 0000	STD	LOCAL
	DEALLOC	S0000048	SYSTASK	144 W	CC 0000	STD	LOCAL
//	DEALLOC	S0000049	SYSTASK	144 W	CC 0000	STD	LOCAL
	DEALLOC	S0000050	SYSTASK	144 W	CC 0000	STD	LOCAL
	DEALLOC	S0000051	SYSTASK	144 W	CC 0000	STD	LOCAL

Command line extension

```
Display  Filter  View  Print  Options  Search  Help
-----
SDSF SYSLOG      2.101 SY1  SY1  08/03/2013 1W      3,240  COLUMNS 02- 81
COMMAND INPUT ==> /setprog apf,add,ddname=isf+      SCROLL ==> CSR
N 4000000 SY1      2013215 21:28:43.68 T0000055+00000000 $HASP373 D96CLW1 STAR
M 4040000 SY1      2013215 21:29:27.27      00000000 IXC104I SYSTEM STATUS
D                                          514 00000000 SYSTEM CANNOT TARGET
D                                          514 00000000 REASON: SYSPLEX CO
```

+ indicates extension required and displays popup

System Command Extension

Type or complete typing a system command, then press Enter.

```
==> setprog apf,add,ddname=isf.isfload,vol=usl
==> _____
```

Place the cursor on a command and press Enter to retrieve it.

```
=> D IPLINFO
=> $JDDetails
=> $jdhhistory
```

Previous commands (scrollable)

More: +

F1=Help F5=FullScr F7=Backward F8=Forward F11=ClearLst F12=Cancel

Command line extension (full screen)

SDSF - System Command Extension

Type or complete typing a system command, then press Enter.

```
==> setprog apf,add,ddname=isf.isfload,vol=us1
```

Place the cursor on a command and press Enter to retrieve it.

More: +

```
=> AKEE
=> MF=(M
=> $DU
=> $DJOBCLASS
=> V OPERLOG,HARDCPY
=> ' 12 '
=>
=>
=>
```

Wait 1 second to display responses (specify with SET DELAY)
Do not save commands for the next SDSF session

F1=Help F5=Pop-up F7=Backward F8=Forward F11=ClearLst F12=Cancel

Overtyping extension – single field

Display
Filter
View
Print
Options
Search
Help

SDSF OUTPUT ALL CLASSES ALL FORMS
LINES 1,990
LINE 19-36 (38)

COMMAND INPUT ==>
SCROLL ==> CSR

PREFIX=**
DEST=LOCAL
OWNER=*
SORT=JobID/A
SYSNAME=*

NP	JOBNAME	JobID	Owner	Prt	C	Max-RC	Forms	Dest
DEALLOC								LOCAL
DEALLOC								+
DEALLOC								LOCAL
DEALLOC								LOCAL
DEALLOC								LOCAL
DEALLOC								LOCAL
DEALLOC								LOCAL
DEALLOC								LOCAL
DEALLOC								LOCAL
DEALLOC	S0000044		SYSTASK	144	W	CC 0000	STD	LOCAL
DEALLOC	S0000045		SYSTASK	144	W	CC 0000	STD	LOCAL
DEALLOC	S0000046		SYSTASK	144	W	CC 0000	STD	LOCAL
DEALLOC	S0000047		SYSTASK	144	W	CC 0000	STD	LOCAL
DEALLOC	S0000048		SYSTASK	144	W	CC 0000	STD	LOCAL
DEALLOC	S0000049		SYSTASK	144	W	CC 0000	STD	LOCAL
DEALLOC	S0000050		SYSTASK	144	W	CC 0000	STD	LOCAL
DEALLOC	S0000051		SYSTASK	144	W	CC 0000	STD	LOCAL

Overtyping Extension

Column Dest

Maximum length 18

Type a value.

==> POKVMCR3.CHIPWOOD

F1=Help F12=Cancel

Overtime extension – multiple/related field

Display Filter View Print Options Search Help									
SDSF STATUS DISPLAY ALL CLASSES					LINE 1-17 (57)				
COMMAND INPUT ==>					SCROLL ==> CSR				
PREFIX=** DEST=LOCAL OWNER=* SYSNAME=*									
NP	JOBNAME	JobID	Owner	Prty Queue	C	Pos	SAff	ASys	Status
	D96CLW1						SY1	SY1	
	SYSLOG						+	SY1	
	RMF						SY1	SY1	
	TCPIPALP						SY1	SY1	
	SDSF						SY1	SY1	
	TCAS						SY1	SY1	
	VTAM44						SY1	SY1	
	PRIMEPSA						SY1	SY1	
	HZSPROC						SY1	SY1	
	BPXAS						SY1	SY1	
	INIT						SY1	SY1	
	INIT						SY1	SY1	
	INIT						SY1	SY1	
	INIT						SY1	SY1	
	INIT						SY1	SY1	
	INIT						SY1	SY1	
	INIT						SY1	SY1	
	INIT						SY1	SY1	
	INIT						SY1	SY1	

Overtime Extension

Column SAff
Maximum length 10

Type values or use blanks to
erase values.

==> SY1
==> SY2
==>
==>
==>
==>
==>
==>
==>
==>
==>

F1=Help F12=Cancel

Use ARRANGE to change column widths

Display Filter View Print Opti

ARRANGE ? to summon arrange popup

-or-

Select **Arrange** from View pulldown

SDSF STATUS DISPLAY ALL CLASSES

COMMAND INPUT ==> arrange ?

Arrange

Row 1 to 11 of 27

PREFIX=** DE

NP JOBNAME

D96CLW1

SYSLOG

RMF

TCPIPALP

SDSF

TCAS

VTAM44

PRIMEPSA

HZSPROC

BPXAS

INIT

INIT

INIT

INIT

INIT

INIT

INIT

Command ==>

Select a column or block with / or // then type A (after) or
B (before) to move. Special function keys:

F5/17=Refresh list F11/23=Clear input F6/18=Default order

Column	Width	Description
JobID	8	
Owner	8	
Prty	4	
Queue	10	
C	1	
Max-RC	10	
Pos	5	
SAff	5	
ASys	4	
Status	17	
SecLabel	8	

Overtyping width to desired value

Prefix area extension

Display Filter View Print Options Search Help

SDSF OUTPUT ALL CLASSES ALL FORMS LINES 1,990

LINE 19-36 (38)

COMMAND INPUT ==>

SCROLL ==> CSR

PREFIX=** DEST=LOCAL OWNER=* SORT=JobID/A SYSNAME=*

NP	JOBNAME	JobID	Owner	PrtY	C	Max-RC	Forms	Dest
+	DEALLOC	S0000034	SYSTASK	144	W	CC 0000	STD	LOCAL
↑	DEALLOC	S0000035	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0						LOCAL
	DEALLOC	S0						LOCAL
	DEALLOC	S0						LOCAL
	DEALLOC	S0						LOCAL
	DEALLOC	S0						LOCAL
	DEALLOC	S0						LOCAL
	DEALLOC	S0						LOCAL
	DEALLOC	S0						LOCAL
	DEALLOC	S0						LOCAL
	DEALLOC	S0000045	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000046	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000047	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000048	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000049	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000050	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000051	SYSTASK	144	W	CC 0000	STD	LOCAL

Expands prefix area to maximum size

Maximum size varies by display
5-8 (most)
10 (PRT)
12 (SR)

Point-and-Shoot / Cursor Sort

- Point-and-shoot fields on primary panel and column headings for interactive users
 - On primary panel, takes user to selected panel (ISPF only)
 - On tabular column header, invokes sort on that column
 - If the column is not currently being sorted on the sort is set to Ascending on that column (***SORT column A***)
 - If the column is already being sorted on Ascending it is set to Descending on that column (***SORT column D***)
 - If the column is already being sorted on Descending it will be set OFF (***SORT OFF***)
 - Replaces any existing user sort criteria as it is a shortcut to using the SORT command.

Cursor Sort Commands

- **SET CSORT** command to enable or disable cursor sorting
 - **SET CSORT ?** Displays the current setting of cursor sort (ON or OFF)
 - **SET CSORT ON** will enable cursor sort
 - **SET CSORT OFF** will disable cursor sort
- Column titles are highlighted when cursor sorting is enabled

```
SDSF OUTPUT ALL CLASSES ALL FORMS      LINES 1,990      LINE 19-36 (38)
COMMAND INPUT ===>                      SCROLL ===> CSR
PREFIX=**  DEST=LOCAL  OWNER=*  SORT=JobID/A  SYSNAME=*
NP  JOBNAME  JobID  Owner  Prty C Max-RC  Forms  Dest
    DEALLOC  S0000034 SYSTASK  144 W CC 0000  STD  LOCAL
```

Copying SYSOUT data to a PDS

- “Is there a way I can copy the output of a job into a PDS”?

METHOD 1: Edit and copy

Display Filter View Print Options Search Help									

SDSF STATUS DISPLAY ALL CLASSES					LINE 1-17 (57)				
COMMAND INPUT ==>					SCROLL ==> CSR				
PREFIX=** DEST=LOCAL OWNER=* SYSNAME=*									
NP	JOBNAME	JobID	Owner	PrtY Queue	C	Pos	SAff	ASys	Status
	DEALLOC	S0000035	SYSTASK	1 PRINT		15			
se	DEALLOC	S0000036	SYSTASK	1 PRINT		16			
	DEALLOC	S0000037	SYSTASK	1 PRINT		17			
	DEALLOC	S0000038	SYSTASK	1 PRINT		18			
	DEALLOC	S0000039	SYSTASK	1 PRINT		19			
	DEALLOC	S0000040	SYSTASK						
	DEALLOC	S0000041	SYSTASK						
	DEALLOC	S0000042	SYSTASK						
	DEALLOC	S0000043	SYSTASK	1 PRINT		23			
	DEALLOC	S0000044	SYSTASK	1 PRINT		24			
	DEALLOC	S0000045	SYSTASK	1 PRINT		25			
	DEALLOC	S0000046	SYSTASK	1 PRINT		26			
	DEALLOC	S0000047	SYSTASK	1 PRINT		27			
	DEALLOC	S0000048	SYSTASK	1 PRINT		28			
	DEALLOC	S0000049	SYSTASK	1 PRINT		29			
	DEALLOC	S0000050	SYSTASK	1 PRINT		30			
	DEALLOC	S0000051	SYSTASK	1 PRINT		31			

Edit data set with ISPF edit
(SE action)

Edit data set with ISPF edit
(SE action)

METHOD 1: Edit and copy (continued)

```

SDSF EDIT      DEALLOC (S0000035)                      Columns 00001 00072
Command ==> create                                     Scroll ==> CSR
CC0001 1
000002 0
000003 16.48.57 S0000035 ---- TUESDAY, 06 AUG 2013 ----
000004 16.48.57 S0000035 IEF695I START DEALLOC WITH JOBNAME DEALLOC IS ASSI
000005 16.48.57 S0000035 $HASP373 DEALLOC STARTED
000006 16.48.57 S0000035
000007 0----- JES2 JO
000008 - 06 AUG 2013 JOB EXECUTION DATE
000009 - 2 CARDS READ
000010 - 32 SYSOUT PR
000011 - 0 SYSOUT PR
000012 - 2 SYSOUT SPOOL KBYTES
000013 - 0.00 MINUTES EXECUTION TIME
000014 1 //DEALLOC JOB MSGLEVEL=1
000015 2 //STARTING EXEC DEALLOC
000016 3 XXDEALLOC EXEC PGM=IEFBR14
000017 XX* THIS PROCEDURE IS ACTIVATED BY A 'START DEALLOC' COMMAND T
000018 XX* EXECUTE IEFBR14 CAUSING ALLOCATION TO DEALLOCATE A
000019 XX* DEVICE SPECIFIED ON A PREVIOUS 'VARY OFFLINE' COMMAND.
000020 STMT NO. MESSAGE
000021 2 IEFC001I PROCEDURE DEALLOC WAS EXPANDED USING SYSTEM LIBRARY
CC0022 IEF695I START DEALLOC WITH JOBNAME DEALLOC IS ASSIGNED TO USER SYSTAS

```

Select range of lines to be copied

Issue CREATE command

METHOD 1: Edit and copy (continued)

Menu RefList Utilities Help

Edit/View - Create

Command ==> _____

More: +

"Current" Data Set:

To ISPF Library:

Project . . . _____
Group . . . _____
Type . . . _____
Member . . . _____

Type in data set name

To Other Sequential Data Set, Partitioned Data Set Member, or z/OS UNIX file:

Name ' _____ +
Volume Serial . . _____ (If not cataloged)

Data Set Password . . (If password protected)

Enter "/" to select option

___ Specify pack option for "CREATE" Data Set

Data Conversion option

- ___ 1. EBCDIC
2. ASCII
3. UTF-8

METHOD 2: Print to data set

Display Filter View Print Options Search Help

SDSF STATUS DISPLAY ALL CLASSES

LINE 1-17 (57)

COMMAND INPUT ==>

SCROLL ==> CSR

PREFIX=** DEST=LOCAL OWNER=* SYSNAME=*

NP	JOBNAME	JobID	Owner	PrtY Queue	C	Pos	SAff	ASys Status
	DEALLOC	S0000035	SYSTASK	1 PRINT		15		
XDC	DEALLOC	S0000036	SYSTASK	1 PRINT		16		
	DEALLOC	S0000037	SYSTASK	1 PRINT		17		
	DEALLOC	S0000038	SYSTASK	1 PRINT		18		
	DEALLOC	S0000039	SYSTASK	1 PRINT		19		
	DEALLOC	S0000040	SYSTASK					
	DEALLOC	S0000041	SYSTASK					
	DEALLOC	S0000042	SYSTASK					
	DEALLOC	S0000043	SYSTASK					
	DEALLOC	S0000044	SYSTASK					
	DEALLOC	S0000045	SYSTASK					
	DEALLOC	S0000046	SYSTASK					
	DEALLOC	S0000047	SYSTASK	1 PRINT		27		
	DEALLOC	S0000048	SYSTASK	1 PRINT		28		
	DEALLOC	S0000049	SYSTASK	1 PRINT		29		
	DEALLOC	S0000050	SYSTASK	1 PRINT		30		
	DEALLOC	S0000051	SYSTASK	1 PRINT		31		

Print to data set

(XDC action):

X – Indicates Print action

D – Print to data set

C – Close data set when print complete

METHOD 2: Print to data set

```
DEALLOC  S0000035          SDSF Open Print Data Set
COMMAND INPUT ===>                                SCROLL ===> CSR
```

```
Data set name  ===>  'MY.DATASET.NAME'
Member to use  ===>  MEMBER
Disposition    ===>  OLD    (OLD, NEW, SHR, MOD)
```

Type in data set name and attributes

```
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     (LIBRARY, blank, ... See Help for more)
  Record length   ===>  133     (NO, OPT, or blank)
  Block size      ===>  3120
Data set name type ===>          (LIBRARY, blank, ... See Help for more)
Extended attributes ===>          (NO, OPT, or blank)
```

Copying SYSOUT data to a PDS

- “I have to do this for several hundred jobs... do I have to go through all these panels for every job”?

METHOD 3: Use block actions

- Issue **//XDC** action prior to first job and **//** prior to last job
 - Still gives the popup for each job, but all values are saved from panel to panel, so you only have to retype the member name in this case
- But maybe there's an even better way...

METHOD 4: Print to data set from REXX

- Write a REXX EXEC to loop through all the jobs of interest, and copy each to a PDS member using XDC action
 - Create a list of jobs to be copied
 - Issue **ISFEXEC ST** with appropriate filters to generate list
 - For each job in the list, copy the job output to PDS
 - Issue **ISFACT ST** with row token and **PARM(NP XDC)**
 - Input from Print-to-Dataset panel is provided by special REXX input variables

METHOD 4: Print to data set from REXX

```
/* REXX*/  
rc=isfcalls("ON")  
  
isfowner = 'D96CLW1'  
isffilter = 'JNAME EQ DEALLOC'  
Address SDSF 'ISFEXEC ST'  
  
Do ix=1 to jobid.0  
    isfprtdsname = 'MY.DATASET.NAME'  
    isfprtmember = jobid.ix  
    isfprtdisp   = 'OLD'  
    Address SDSF "ISFACT ST TOKEN('"token.ix"') PARM(NP XDC)"  
End  
  
rc=isfcalls("OFF")
```


METHOD 4: Print to data set from REXX

```
/* REXX*/  
rc=isfcalls("ON")  
  
isfowner = 'D96CLW1'  
isffilter = 'JNAME EQ DEALLOC'  
Address SDSF 'ISFEXEC ST'  
  
Do ix=1 to jobid.0  
    isfprtdsname = 'MY.DATASET.NAME'  
    isfprtmember = jobid.ix  
    isfprtdisp   = 'OLD'  
    Address SDSF "ISFACT ST TOKEN('"token.ix"') PARM(NP XDC)"  
  
    If rc>0 Then  
        Do  
            Say 'RC='rc isfmsg  
            Do jx=1 to isfmsg2.0  
                Say isfmsg2.jx  
            End  
        End  
  
End  
  
rc=isfcalls("OFF")
```

Useful to gather diagnostics
to determine why the EXEC
was not working

Pulldown menus

Complete your sessions evaluation online at [SHARE.org/BostonEval](https://share.org/BostonEval)

Pulldown menus

Display Filter View Print Options Search Help

SDSF OUTPUT ALL CLASSES ALL FORMS LINES 1,990

LINE 19-36 (38)

COMMAND INPUT ==>

SCROLL ==> CSR

PREFIX=** DEST=LOCAL OWNER=* SORT=JobID/A SYSNAME=*

NP	JOBNAME	JobID	Owner	Prt	C	Max-RC	Forms	Dest
	DEALLOC	S0000034	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000035	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000036	SY					
	DEALLOC	S0000037	SY					
	DEALLOC	S0000038	SY					
	DEALLOC	S0000039	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000040	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000041	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000042	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000043	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000044	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000045	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000046	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000047	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000048	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000049	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000050	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000051	SYSTASK	144	W	CC 0000	STD	LOCAL

Position cursor under desired option and press Enter

Pulldown menu - Display

Display Filter View Print Options Search Help								

SDS	1. Panels...			FORMS	LINES 1,990		LINE 19-36 (38)	
COM	2. Logs...			SCROLL ==> CSR				
PRE	3. Exit SDSF			SORT=JobID/A SYSNAME=*				
NP	JOBNAME	JobID	Owner	Prt	C	Max-RC	Forms	Dest
	DEALLOC	S0000034	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000035	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000036	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000037	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000038	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000039	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000040	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000041	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000042	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000043	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000044	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000045	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000046	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000047	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000048	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000049	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000050	SYSTASK	144	W	CC 0000	STD	LOCAL
	DEALLOC	S0000051	SYSTASK	144	W	CC 0000	STD	LOCAL

Pulldown menu - Filter

Display Filter View Print Options Search Help									

SDSF OUTPUT	—	1. Filter...							
COMMAND INP		2. Prefix of jobname...							
PREFIX=**		3. Owner...							
NP		4. Destination...							
JOBNAM		5. System name...							
DEALLO		6. Change APPC to OFF							
DEALLO		7. Replies on the Log...							
DEALLO									
DEALLOC	S0000037	SYSTASK	144	W	CC	0000	STD	LOCAL	
DEALLOC	S0000038	SYSTASK	144	W	CC	0000	STD	LOCAL	
DEALLOC	S0000039	SYSTASK	144	W	CC	0000	STD	LOCAL	
DEALLOC	S0000040	SYSTASK	144	W	CC	0000	STD	LOCAL	
DEALLOC	S0000041	SYSTASK	144	W	CC	0000	STD	LOCAL	
DEALLOC	S0000042	SYSTASK	144	W	CC	0000	STD	LOCAL	
DEALLOC	S0000043	SYSTASK	144	W	CC	0000	STD	LOCAL	
DEALLOC	S0000044	SYSTASK	144	W	CC	0000	STD	LOCAL	
DEALLOC	S0000045	SYSTASK	144	W	CC	0000	STD	LOCAL	
DEALLOC	S0000046	SYSTASK	144	W	CC	0000	STD	LOCAL	
DEALLOC	S0000047	SYSTASK	144	W	CC	0000	STD	LOCAL	
DEALLOC	S0000048	SYSTASK	144	W	CC	0000	STD	LOCAL	
DEALLOC	S0000049	SYSTASK	144	W	CC	0000	STD	LOCAL	
DEALLOC	S0000050	SYSTASK	144	W	CC	0000	STD	LOCAL	
DEALLOC	S0000051	SYSTASK	144	W	CC	0000	STD	LOCAL	

Pulldown menu - View

Display	Filter	View	Print	Options	Search	Help

SDSF OUTPUT ALL CLAS		— 1. Sort...				19-36 (38)
COMMAND INPUT ==>		2. Arrange...				SCROLL ==> CSR
PREFIX=** DEST=LOCA		3. Set hex to ON				
NP	JOBNAME	JobID				est
DEALLOC	S00000	4. Change field list to ALTERNATE				LOCAL
		5. Who...				
DEALLOC	S0000035	SYSTASK	144	W	CC 0000	STD LOCAL
DEALLOC	S0000036	SYSTASK	144	W	CC 0000	STD LOCAL
DEALLOC	S0000037	SYSTASK	144	W	CC 0000	STD LOCAL
DEALLOC	S0000038	SYSTASK	144	W	CC 0000	STD LOCAL
DEALLOC	S0000039	SYSTASK	144	W	CC 0000	STD LOCAL
DEALLOC	S0000040	SYSTASK	144	W	CC 0000	STD LOCAL
DEALLOC	S0000041	SYSTASK	144	W	CC 0000	STD LOCAL
DEALLOC	S0000042	SYSTASK	144	W	CC 0000	STD LOCAL
DEALLOC	S0000043	SYSTASK	144	W	CC 0000	STD LOCAL
DEALLOC	S0000044	SYSTASK	144	W	CC 0000	STD LOCAL
DEALLOC	S0000045	SYSTASK	144	W	CC 0000	STD LOCAL
DEALLOC	S0000046	SYSTASK	144	W	CC 0000	STD LOCAL
DEALLOC	S0000047	SYSTASK	144	W	CC 0000	STD LOCAL
DEALLOC	S0000048	SYSTASK	144	W	CC 0000	STD LOCAL
DEALLOC	S0000049	SYSTASK	144	W	CC 0000	STD LOCAL
DEALLOC	S0000050	SYSTASK	144	W	CC 0000	STD LOCAL
DEALLOC	S0000051	SYSTASK	144	W	CC 0000	STD LOCAL

Pulldown menu - Options

Display Filter View Print Options Search Help

SDSF OUTPUT ALL CLASSES ALL FORMS

COMMAND INPUT ==>

PREFIX=** DEST=LOCAL OWNER=* S

NP JOBNAME JobID Owner P

DEALLOC	S0000034	SYSTASK
DEALLOC	S0000035	SYSTASK
DEALLOC	S0000036	SYSTASK
DEALLOC	S0000037	SYSTASK
DEALLOC	S0000038	SYSTASK
DEALLOC	S0000039	SYSTASK
DEALLOC	S0000040	SYSTASK
DEALLOC	S0000041	SYSTASK
DEALLOC	S0000042	SYSTASK
DEALLOC	S0000043	SYSTASK
DEALLOC	S0000044	SYSTASK
DEALLOC	S0000045	SYSTASK
DEALLOC	S0000046	SYSTASK
DEALLOC	S0000047	SYSTASK
DEALLOC	S0000048	SYSTASK
DEALLOC	S0000049	SYSTASK
DEALLOC	S0000050	SYSTASK
DEALLOC	S0000051	SYSTASK

1. Set action character display...
2. Find limit...
3. Change include SYSIN to ON
4. Set duplicate SYSOUT data sets to OFF
5. Set display values...
6. Set screen characteristics...
7. Set delay for responses...
8. Set communications timeout...
9. Set console name...
10. Set search characters...
11. Set language for help and tutorial...
12. Set cursor option...
13. Set confirmation to ON
14. Operlog limit for filter...
15. Set date format...
16. Set log default...
17. Set default browse action...
18. Set default check history limit...
19. Set cursor sort to OFF
20. Set communications mode...
21. Change console name modification to OFF
22. Set security trace...

Pulldown menu - Help

Display Filter View Print Options Search Help

SDSF OUTPUT ALL CLASSES ALL FORMS LINES 1,990

COMMAND INPUT ==>

PREFIX=** DEST=LOCAL OWNER=* SORT=JobID/A SYSN

NP	JOBNAME	JobID	Owner	Prt	C	Max-RC	
	DEALLOC	S0000034	SYSTASK	144	W	CC 0000	
	DEALLOC	S0000035	SYSTASK	144	W	CC 0000	
	DEALLOC	S0000036	SYSTASK	144	W	CC 0000	
	DEALLOC	S0000037	SYSTASK	144	W	CC 0000	
	DEALLOC	S0000038	SYSTASK	144	W	CC 0000	STD
	DEALLOC	S0000039	SYSTASK	144	W	CC 0000	STD
	DEALLOC	S0000040	SYSTASK	144	W	CC 0000	STD
	DEALLOC	S0000041	SYSTASK	144	W	CC 0000	STD
	DEALLOC	S0000042	SYSTASK	144	W	CC 0000	STD
	DEALLOC	S0000043	SYSTASK	144	W	CC 0000	STD
	DEALLOC	S0000044	SYSTASK	144	W	CC 0000	STD
	DEALLOC	S0000045	SYSTASK	144	W	CC 0000	STD
	DEALLOC	S0000046	SYSTASK	144	W	CC 0000	STD
	DEALLOC	S0000047	SYSTASK	144	W	CC 0000	STD
	DEALLOC	S0000048	SYSTASK	144	W	CC 0000	STD
	DEALLOC	S0000049	SYSTASK	144	W	CC 0000	STD
	DEALLOC	S0000050	SYSTASK	144	W	CC 0000	STD
	DEALLOC	S0000051	SYSTASK	144	W	CC 0000	STD

- 1. Extended help...
- 2. Keys help...
- 3. Help Index...
- 4. Tutorial...
- 5. Book...
- 6. Web sites...
- 7. REXX help...
- 8. Columns help...

Useful commands

Complete your sessions evaluation online at [SHARE.org/BostonEval](https://share.org/BostonEval)

REXXHELP command

Using REXX with SDSF

More: +

Tab to a topic and press Enter, or press Enter to view the topics in order.

- Introduction
- Programming practices
- Quick start
- Add the SDSF host command environment
- Issue SDSF commands
 - Commands for tabular panels (ISFEXEC)
 - Log panels (ISFLOG and ISFULOG)
 - Slash (/) commands (ISFSLASH)
 - Other commands (ISFEXEC)
 - Filter commands (special variables)
 - Options commands (special variables)
- Take actions and modify columns on SDSF panels
- Browse output and Print output
- Examples
- Diagnose errors in a REXX exec

- Search - Index -

F1=Help F7=Up F8=Down F12=Cancel

REXXHELP command

SDSF REXX: Examples

More: +

The following examples contain just the SDSF-specific portions of execs that accomplish SDSF tasks.

Tab to a link below and press Enter.

- o Access an SDSF tabular panel
- o Cancel a job
- o Cancel a set of jobs
- o List job data sets
- o Modify values for selected jobs (overtyping)
- o Modify a value for a set of jobs
- o Browse job output with EXECIO
- o Browse job output with ISFBROWSE
- o Browse a single data set with EXECIO
- o Browse a single data set with ISFBROWSE
- o Browse check output
- o Browse check output with ISFBROWSE
- o Browse check output from check history

F1=Help F7=Up F8=Down F12=Cancel

REXXHELP command - Examples

SDSF REXX Example: Access an SDSF panel

More: +

1. Access the ST panel, then list the column variables.

```
/* REXX */

rc=isfcalls('ON')

      /*****
      /* Access the ST panel */
      *****/
Address SDSF "ISFEXEC ST"
if rc<>0 then
  Exit rc

      /*****
      /* Get fixed field name from first word */
      /* of isfcols special variable */
      *****/
fixedField = word(isfcols,1)
F1=Help    F7=Up    F8=Down    F12=Cancel
```

COLSHELP command

Columns on SDSF Panels

Row 1205 from 1255

Command ==>

Column name = REXX stem variable name

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

All panels

Des

Column title (interactive)

<u>Panel</u>	<u>Column</u>	<u>Title</u>	<u>Delayed?</u>	<u>Overtime?</u>
ST	JNAME	JOBNAME		
ST	JTYPE	Type		
ST	JNUM	JNum		
ST	JOBID	JobID		
ST	OWNERID	Owner		
ST	JPRIO	Prty		X
ST	QUEUE	Queue		
ST	JCLASS	C		X
ST	POS	Pos		
ST	SYSAFF	SAff		JES2
ST	ACTSYS	ASys		
ST	STATUS	Status		
ST	PRTDEST	PrtDest		JES2
ST	SECLABEL	SecLabel		

If COLSHELP is issued from a specific panel, it automatically starts there

SEARCH command

Display Filter View Print Options Search Help

SDSF SYSTEM REQUESTS RM 1 IM 3 CEM 6 EM 74 LINE 68-84 (84)
COMMAND INPUT ==> search max-rc SCROLL ==> CSR

P
A
N
Search Help Row 1 to 4 of 4
Command ==> _____

Search for: MAX-RC

Show titles

Select a search result to display the help panel.

- Max-RC Return code information for the job
- Max-RC Return code information for the job
- SDSF displays the following values in the MAX-RC column to
- Max-RC Return code information for the job

***** Bottom of data *****

44002 HZS0002E CHECK(IBMUS, USS_FILESYS_CONFIG):
47002 HZS0002E CHECK(IBMUS, USS_FILESYS_CONFIG):
46002 G):
45002 G):
52002 IONS
50002 *\$HASP255 REASON FOR JES2 CHECKPOINT RECONFIGURATION IS OPER
51002 *\$HASP285 JES2 CHECKPOINT RECONFIGURATION STARTED - DRIVEN B
r 10 *10 \$HASP272 ENTER RESPONSE (ISSUE D R, MSG=\$HASP271 FOR RELA

Select to display panel titles along with
search results

SEARCH command

```
Display Filter View Print Options Search Help
-----
SDSF SYSTEM REQUESTS  RM 1      IM 3      CEM 6      EM 74      LINE 68-84 (84)
COMMAND INPUT ==> search max-rc                      SCROLL ==> CSR
P
A
N

Search Help                                           Row 1 to 4 of 4

Command ==> _____

Search for: MAX-RC                                     / Show titles

Select a search result to display the help panel.
/ Max-RC Return code information for the job
HELP: Held Output Queue Panel -- Fields Panel 4 of 6
Max-RC Return code information for the job
HELP: Output Queue Panel -- Fields Panel 5 of 6
SDSF displays the following values in the MAX-RC column to
HELP: Return Code Information
Max-RC Return code information for the job
HELP: Status Panel -- Fields Panel 4 of 6
***** Bottom of data *****

52002      *$HASP271 CHECKPOINT RECONFIGURATION OPTIONS
50000      *$HASP271 CHECKPOINT RECONFIGURATION IS OPER
5100      ON STARTED - DRIVEN B
r          10      MSG=$HASP271 FOR RELA
```

Select to see a specific topic matching the search

SEARCH command

```
Display Filter View Print Options Search Help
-----
SDSF SYSTEM REQUESTS  RM 1      IM 3      CEM 6      EM 74      LINE 68-84 (84)
COMMAND INPUT ==> search max-rc                                SCROLL ==> CSR
P
A
N
      Search Help                                         Row 1 to 4 of 4
      HELP: Held Output Queue Panel -- Fields           Panel 4 of 6
      COMMAND INPUT ==>

      Title      Description
      OGID2      Output group ID 2 (JES2 only)
      JP         Job priority
      CrDate     Creation date (JES2 only)
      OHR        Output hold reason code
      Output-Hold-Text  Output hold reason text
      Offs       List of offload devices, if the job has been
                  offloaded (JES2 only)
      Max-RC     Return code information for the job
      Device     Output device (if printing) or JES processor
      SysID      System the output will print on (JES2 only)
      RNum       JES job room number
      Programmer-Name  JES programmer name
      Acct       JES account number
```

Search string is hilighted on help page