



# SDSF Hidden Treasures

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# Objectives

- Manipulating SDSF Tables
  - Set options
  - Fastpath Select
  - Locate Column
  - Arrange
  - Filter
  - Show
  - Block Actions
  - Overtype Extension
  - Snapshot
  - Point-and-shoot
- Browse Sessions
- Slash Extensions
- Searching Data Set Lists
- Running REXX inside SDSF

# Manipulating SDSF Tables

# SET Command

- SET command allows numerous options at the user level
  - Saved in ISPF profile
  - There are numerous other SET commands not described here
- **SET DISPLAY ON | OFF**
  - Show PREFIX, OWNER, DEST and SYSNAME above column titles
- **SET ACTION ON | LONG | SHORT | OFF**
  - Show valid action characters
- **SET SCREEN**
  - Change screen colours and highlighting
- **SET CONSOLE *name***
  - Set EMCS console name for operator commands
- **SET DATE MMDDYYYY | DDMMYYYY | YYYYMMDD separator**
  - Set date format and optionally the separator character

# Fastpath Select

The image displays two windows of the SDSF Fastpath Select interface. The top window shows a command input of `s *dbm1 |` with results for jobs PDSCOT, PDSCOT, and PDSCOT. The bottom window shows a command input of `s *dbm1 |` with results for numerous DBA and DBB series jobs.

**SELECT | S pattern1 [pattern2]**

Temporary filter on fixed field using standard “\*” and “%” masking characters.

Override OWNER and PREFIX if authorized.

Some panels accept second parameter to filter on another column, for example JOBID on “ST”.

# Locate Column

```
RS22
File Edit Font Transfer Macro Options Window Help
Display Filter View Print Options Search Help
SDSF STATUS DISPLAY ALL CLASSES
COMMAND INPUT ==> l tgpc_
PREFIX=*
DEST=(ALL) OWNER=PDSCOT SORT=End-Date//A End-Time
NP   JOBNAME  JobID  Owner  Prty  Queue   C   Pos  Saff
PDSCOT  T078891 PDSCOT    15 EXECUTION      RS22
PDSCOT0 J078555 PDSCOT
PDSCOT1 J0785
PDSCOT26 J0785
PDSCOT29 J0785
PDSCOT11 J0785
PDSCOT19 J0785
PDSCOT8 J0785
PDSCOT9 J0785
PDSCOT10 J0785
PDSCOT7 J0785
PDSCOT2 J0785
PDSCOT17 J0785
PDSCOT25 J0785
PDSCOT14 J0785
PDSCOT5 J0785
PDSCOT22 J0785
PDSCOT4 J0785
PDSCOT3 J0785
PDSCOT6 J0785
PDSCOT23 J0785
RS22
File Edit Font Transfer Macro Options Window Help
Display Filter View Print Options Search Help
SDSF STATUS DISPLAY ALL CLASSES
COMMAND INPUT ==>
PREFIX=*
DEST=(ALL) OWNER=PDSCOT SORT=End-Date//A End-Time
NP   JOBNAME  TGpc  OrigNode  ExecNode  Device
PDSCOT  0.00 LOCAL  LOCAL
PDSCOT0  0.01 LOCAL  LOCAL
PDSCOT1  0.00 LOCAL  LOCAL
PDSCOT26 0.00 LOCAL  LOCAL
PDSCOT29 0.00 LOCAL  LOCAL
PDSCOT11 0.00 LOCAL  LOCAL
PDSCOT19 0.00 LOCAL  LOCAL
PDSCOT8  0.00 LOCAL  LOCAL
PDSCOT9  0.00 LOCAL  LOCAL
PDSCOT10 0.00 LOCAL  LOCAL
PDSCOT7  0.00 LOCAL  LOCAL
PDSCOT2  0.00 LOCAL  LOCAL
PDSCOT17 0.01 LOCAL  LOCAL
PDSCOT25 0.00 LOCAL  LOCAL
PDSCOT14 0.00 LOCAL  LOCAL
PDSCOT5  0.00 LOCAL  LOCAL
PDSCOT22 0.00 LOCAL  LOCAL
PDSCOT4  0.00 LOCAL  LOCAL
PDSCOT3  0.00 LOCAL  LOCAL
PDSCOT6  0.00 LOCAL  LOCAL
PDSCOT23 0.01 LOCAL  LOCAL
0.1 01/06/23.006 01:49PM rs22
M a 4,21
```

LOCATE | L *column\_name*

Used to position to column instead of left/right scrolling.

Aligns column to first just after fixed field.

Use enough characters to uniquely identify the desired column, however will position to first column name that matches specification characters.

# Arrange

ARR command to re-order columns on panel (save in ISPF profile)

## Syntax

ARR <i>column_name</i> FIRST	Put column first
ARR <i>column_name</i> LAST	Put column last
ARR <i>column_name1</i> B <i>column_name2</i>	Put column before another
ARR <i>column_name1</i> A <i>column_name2</i>	Put column after another
ARR <i>column_name1</i> A .END	Hide column
ARR <i>column_name</i> <i>nn</i>	Set column width to <i>nn</i>
ARR DEFAULT	Reset column order

# Arrange Column

```
SDSF AS DISPLAY RS22      RS22          LINE 1-21 (628)
COMMAND INPUT ===> arr epriv% a fixed_
PREFIX=* DEST=( ALL ) OWNER=PDSCOT SORT=JOBNAME/A SYSNAME=
NP  JOBNAME  ASIDX  Real Fixed   CSA  CSA%   ECSA  ECSA%   SQA  SQA%   ESQA  ESQA%   Aux MemLimit MemObjNum MemObjUse
*MASTER* 0001    534T  6365    156144  4.63  14461672  2.01    60840  3.57  7581384  7.64    0  16383PB   2     4M
AC1ADBM1 0480  81282  1443    4096   0.12  591976   0.08    64    0.00  12952  0.01    0   4TB      28    57274M

```

```
SDSF AS DISPLAY RS22      RS22          LINE 1-21 (625)
COMMAND INPUT ===>
PREFIX=* DEST=( ALL ) OWNER=PDSCOT SORT=JOBNAME/A SYSNAME=
NP  JOBNAME  ASIDX  Real Fixed EPriv%   CSA  CSA%   ECSA  ECSA%   SQA  SQA%   ESQA  ESQA%   Aux MemLimit MemObjNum Me
*MASTER* 0001    534T  6365    0.04  156144  4.63  14461672  2.01    60840  3.57  7581496  7.64    0  16383PB   2
AC1ADBM1 0480  81282  1443    7.85  4096   0.12  591976   0.08    64    0.00  12952  0.01    0   4TB      28
AC1ADIST 0344  2844   206     0.54  160    0.00  3760120   0.52    64    0.00  1728   0.00    0  16383PB   11
AC1AIRLM 04EA  3163   104     0.32  0      0.00  1137680   0.15    256   0.01  464    0.00    0  2160MB   11
AC1AMSTR 0471  3042   857     0.18  2216   0.06  5302784   0.73    64    0.00  23496  0.02    0  16383PB   17
ADHMAC1A 01C0  904    87      0.21  0      0.00  13312    0.00    64    0.00  296    0.00    0  16383PB   5
ADHMA91A 05F4  908    91      0.21  0      0.00  4096    0.00    64    0.00  296    0.00    0  16383PB   5
ADQ3DS  05A6  33789   705    12.31  160    0.00  10784   0.00    0     0.00  664    0.00    0  16383PB   67
ADQ3YN  067D  53399   741    10.84  160    0.00  8384    0.00    0     0.00  792    0.00    0  16383PB   194
ADQ3YNSA 0649  556    120     0.04  0      0.00  0       0.00    0     0.00  144    0.00    0  16383PB   9
ADQ3YNSA 065F  33370   262    43.88  0      0.00  0       0.00    0     0.00  144    0.00  18  16383PB   11
ADQ3YNSA 067E  420    87     0.00  0      0.00  736    0.00    64    0.00  408    0.00    0  16383PB   8
ALLOCAS  0017  9510   605     0.43  0      0.00  3064   0.00    0     0.00  2624  0.00    0
ANTAS000 000E  1719   198     0.42  0      0.00  186032  0.02    0     0.00  2560  0.00    0  16383PB   1
ANTMAIN  000D  2390   225     0.65  0      0.00  801432  0.11    0     0.00  448    0.00
ANZPROC  0108  6872   129     2.52  0      0.00  736    0.00    64    0.00  40
APPC    002F  2087   639     1.28  160    0.00  94304  0.01    0     0.00  137
ARYF32A2 0053  16812   502     5.58  0      0.00  0       0.00    0     0.00  14
ARYL32A2 0217  15899   476     5.53  0      0.00  0       0.00    0     0.00  14
ARY032A2 0040  15825   460     5.53  0      0.00  0       0.00    0     0.00  14
ARYSHR  0113  508     90      0.02  0      0.00  0       0.00    0     0.00  14
```

Note that you can use “ARR ?” to display ISPF pop-up panel to perform guided arrange actions.

# Filter

- Use **FILTER | FIL** command to select rows to be displayed
  - Applied after **PREFIX**, **OWNER**, **DEST**, and **SYSNAME** processing
  - Saved in ISPF profile
  - Use **FILTER ?** to drive pop-up while in ISPF to compose expressions with multiple filters

## Syntax

**FILTER ON | OFF**

*Turn filtering on or off*

**FILTER AND | OR**

*How to treat multiple expressions*

**FILTER column\_name [operator] value**

*Specify FILTER criteria*

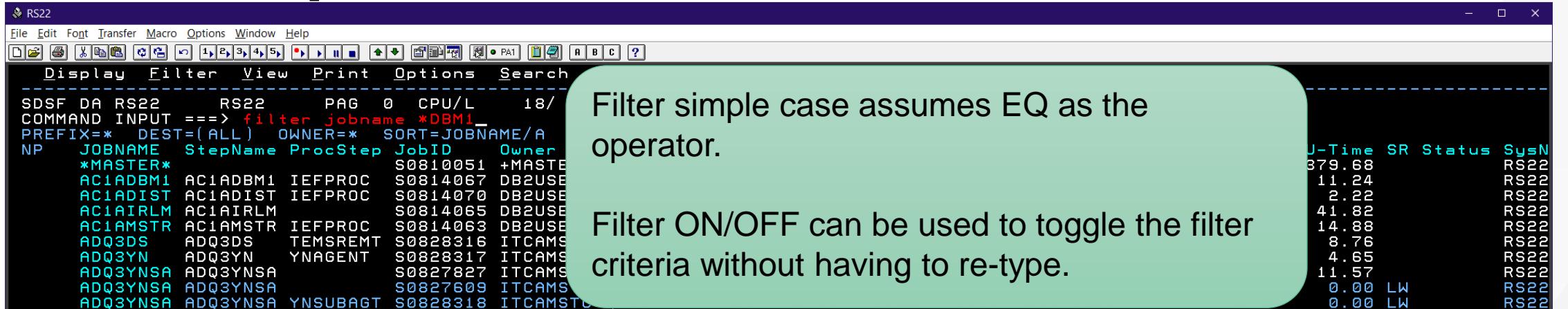
## Operator values :

LT,LE,EQ,NE,GE,GT

Default operator is **EQ**

<,<=,=,<>,>,GE

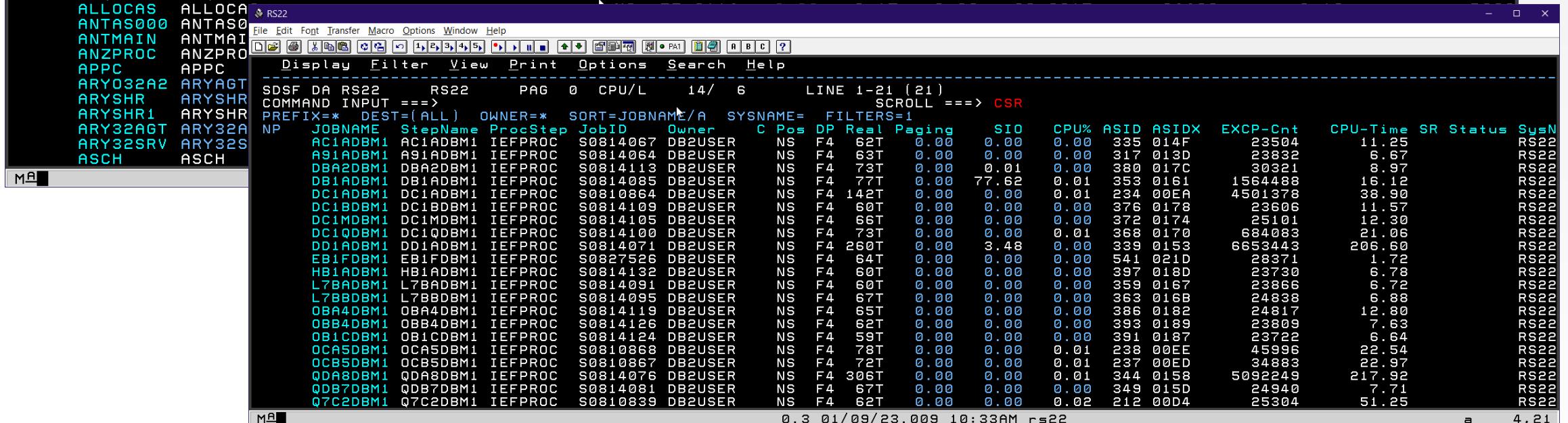
# Filter Simple Case



```
RS22
File Edit Font Transfer Macro Options Window Help
Display Filter View Print Options Search
SDSF DA RS22      RS22      PAG  0  CPU/L   18/
COMMAND INPUT ===> filter jobname *DBM1_
PREFIX=* DEST=(ALL) OWNER=* SORT=JOBNAME/A
NP  JOBNAME StepName ProcStep JobID Owner
  *MASTER*           S0810051 +MASTER
  AC1ADBM1  AC1ADBM1 IEFPROC  S0814067 DB2USER
  AC1ADIST AC1ADIST IEFPROC  S0814070 DB2USER
  AC1AIRLM AC1AIRLM IEFPROC  S0814065 DB2USER
  AC1AMSTR AC1AMSTR IEFPROC  S0814063 DB2USER
  ADQ3DS  ADQ3DS TEMSREMT S0828316 ITCAMS
  ADQ3YN  ADQ3YN YNAGENT   S0828317 ITCAMS
  ADQ3YNSA ADQ3YNSA          S0827827 ITCAMS
  ADQ3YNSA ADQ3YNSA          S0827609 ITCAMS
  ADQ3YNSA ADQ3YNSA          S0828318 ITCAMST
ALLOCAS ALLOCA  RS22
ANTAS000 ANTAS0  File Edit Font Transfer Macro Options Window Help
ANTMAIN ANTMALI
ANZPROC ANZPRO
APPC APPC
ARY032A2 ARYAGT
ARYSHR ARYSHR
ARYSHR1 ARYSHR
ARY32AGT ARY32A
ARY32SRV ARY32S
ASCH ASCH

```

Filter simple case assumes EQ as the operator.



```
RS22
File Edit Font Transfer Macro Options Window Help
Display Filter View Print Options Search Help
SDSF DA RS22      RS22      PAG  0  CPU/L   14/ 6  LINE 1-21 (21)
COMMAND INPUT ===> SCROLL ===> CSR
PREFIX=* DEST=(ALL) OWNER=* SORT=JOBNAME/A SYSNAME= FILTERS=1
NP  JOBNAME StepName ProcStep JobID Owner   C Pos DP Real Paging   SIO  CPU% ASID ASIDX EXCP-Cnt CPU-Time SR Status SysN
  AC1ADBM1  AC1ADBM1 IEFPROC  S0814067 DB2USER  NS F4 62T 0.00  0.00  0.00  335 014F 23504 11.25 RS22
  A91ADBM1  A91ADBM1 IEFPROC  S0814064 DB2USER  NS F4 63T 0.00  0.00  0.00  317 013D 23832 6.67 RS22
  DBA2DBM1  DBA2DBM1 IEFPROC  S0814113 DB2USER  NS F4 73T 0.00  0.01  0.00  380 017C 30321 8.97 RS22
  DB1ADBM1  DB1ADBM1 IEFPROC  S0814085 DB2USER  NS F4 77T 0.00  77.62 0.01  353 0161 1564488 16.12 RS22
  DC1ADBM1  DC1ADBM1 IEFPROC  S0810864 DB2USER  NS F4 142T 0.00  0.00  0.01  234 00EA 4501378 38.90 RS22
  DC1BDBM1  DC1BDBM1 IEFPROC  S0814109 DB2USER  NS F4 60T 0.00  0.00  0.00  376 0178 23606 11.57 RS22
  DC1MDBM1  DC1MDBM1 IEFPROC  S0814105 DB2USER  NS F4 66T 0.00  0.00  0.00  372 0174 25101 12.30 RS22
  DC1QDBM1  DC1QDBM1 IEFPROC  S0814100 DB2USER  NS F4 73T 0.00  0.00  0.01  368 0170 684083 21.06 RS22
  DD1ADBM1  DD1ADBM1 IEFPROC  S0814071 DB2USER  NS F4 260T 0.00  3.48  0.00  339 0153 6653443 206.60 RS22
  EB1FDBM1  EB1FDBM1 IEFPROC  S0827526 DB2USER  NS F4 64T 0.00  0.00  0.00  541 021D 28371 1.72 RS22
  HB1ADBM1  HB1ADBM1 IEFPROC  S0814132 DB2USER  NS F4 60T 0.00  0.00  0.00  397 018D 23730 6.78 RS22
  L7BADBM1  L7BADBM1 IEFPROC  S0814091 DB2USER  NS F4 60T 0.00  0.00  0.00  359 0167 23866 6.72 RS22
  L7BBDBM1  L7BBDBM1 IEFPROC  S0814095 DB2USER  NS F4 67T 0.00  0.00  0.00  363 016B 24838 6.88 RS22
  OBA4DBM1  OBA4DBM1 IEFPROC  S0814119 DB2USER  NS F4 65T 0.00  0.00  0.00  386 0182 24817 12.80 RS22
  OBB4DBM1  OBB4DBM1 IEFPROC  S0814126 DB2USER  NS F4 62T 0.00  0.00  0.00  393 0189 23809 7.63 RS22
  OB1CDBM1  OB1CDBM1 IEFPROC  S0814124 DB2USER  NS F4 59T 0.00  0.00  0.00  391 0187 23722 6.64 RS22
  OCA5DBM1  OCA5DBM1 IEFPROC  S0810868 DB2USER  NS F4 78T 0.00  0.00  0.01  238 00EE 45996 22.54 RS22
  OCB5DBM1  OCB5DBM1 IEFPROC  S0810867 DB2USER  NS F4 72T 0.00  0.00  0.01  237 00ED 34883 22.97 RS22
  QDA8DBM1  QDA8DBM1 IEFPROC  S0814076 DB2USER  NS F4 306T 0.00  0.00  0.01  344 0158 5092249 217.92 RS22
  QDB7DBM1  QDB7DBM1 IEFPROC  S0814081 DB2USER  NS F4 67T 0.00  0.00  0.01  349 015D 24940 7.71 RS22
  Q7C2DBM1  Q7C2DBM1 IEFPROC  S0810839 DB2USER  NS F4 62T 0.00  0.00  0.02  212 00D4 25304 51.25 RS22

```

0.3 01/09/23.009 10:33AM rs22

a 4,21

# Filter Pop-Up

```
RS22
File Edit Font Transfer Macro Options Window Help
Display Filter View Print Options Search Help
-----
SDSF DA
COMMAND
PREFIX=*
NP JOB
AC1
AC1
AC1
AC1
AC1
Filtering is ON
A91
A91 AND/OR between columns AND (AND/OR)
A91 AND/OR within a column OR (AND/OR)
A91
DBA Column Oper Value (may include * and
DBA JOBNAME EQ *DBM1
DBA JOBNAME EQ *MSTR
DBA JOBNAME EQ *DIST
DB1 JOBNAME EQ *IRLM
DB1 WORKLOAD EQ DB2*
DB1
DB1
DC1
DC1
DC1
```

Note multiple tests for JOBNAMe that use “OR” logic combined with “AND” for WORKLOAD specification.

Number of active filters applied shown with “SET DISPLAY ON” in effect.

```
RS22
File Edit Font Transfer Macro Options Window Help
Display Filter View Print Options Search Help
-----
SDSF DA RS22 RS22 PAG 0 CPU/L 25/ 10 LINE 1-21 (84) SCROLL ==> CSR
COMMAND INPUT ==>
PREFIX=* DEST=(ALL) OWNER=* SORT=JOBNAMe/A SYSNAME=FILTERS=5
NP JOBNAMe StepName ProcStep JobID Owner C Pos DP Real Paging SIO CPU% ASID ASIDX EXCP-Cnt CPU-Time SR Status SysN
AC1ADBM1 AC1ADBM1 IEFPROC S0814067 DB2USER NS F4 62T 0.00 0.00 0.00 335 014F 23504 11.22 RS22
AC1ADIST AC1ADIST IEFPROC S0814070 DB2USER NS F4 2635 0.00 0.00 0.00 338 0152 2472 2.21 RS22
AC1AIRLM AC1AIRLM IEFPROC S0814065 DB2USER NS F8 3160 0.00 0.00 0.03 314 013A 46 41.75 RS22
AC1AMSTR AC1AMSTR IEFPROC S0814063 DB2USER NS F4 2128 0.00 0.00 0.00 315 013B 3371 14.86 RS22
AS1ADBM1 AS1ADBM1 IEFPROC S0814064 DB2USER NS F4 63T 0.00 0.00 0.00 317 013D 23832 6.65 RS22
AS1ADIST AS1ADIST IEFPROC S0814066 DB2USER NS F4 2650 0.00 0.00 0.00 333 014D 2498 2.14 RS22
AS1AIRLM AS1AIRLM IEFPROC S0814062 DB2USER NS F8 3160 0.00 0.00 0.03 331 014B 46 41.55 RS22
AS1AMSTR AS1AMSTR IEFPROC S0814061 DB2USER NS F4 2123 0.00 0.00 0.00 332 014C 268262 21.00 RS22
DBA2DBM1 DBA2DBM1 IEFPROC S0814113 DB2USER NS F4 73T 0.00 0.00 0.00 380 017C 30320 8.94 RS22
DBA2DIST DBA2DIST IEFPROC S0814118 DB2USER NS F4 5171 0.00 0.00 0.00 385 0181 4833 3.39 RS22
DBA2IRLM DBA2IRLM IEFPROC S0814110 DB2USER NS F8 19T 0.00 0.00 0.04 377 0179 62 57.31 RS22
DBA2MSTR DBA2MSTR IEFPROC S0814108 DB2USER NS F4 2638 0.00 0.50 0.02 375 0177 62156 33.07 RS22
DB1ADBM1 DB1ADBM1 IEFPROC S0814085 DB2USER NS F4 77T 0.00 0.00 0.01 353 0161 1102241 16.08 RS22
DB1ADIST DB1ADIST IEFPROC S0814088 DB2USER NS F4 5618 0.00 0.00 0.00 356 0164 2363 3.01 RS22
DB1AIRLM DB1AIRLM IEFPROC S0814082 DB2USER NS F8 3157 0.00 0.00 0.03 350 015E 50 41.64 RS22
DB1AMSTR DB1AMSTR IEFPROC S0814080 DB2USER NS F4 3269 0.00 0.00 0.00 348 015C 139698 16.77 RS22
DC1ADBM1 DC1ADBM1 IEFPROC S0810864 DB2USER NS F4 142T 0.00 1.68 0.02 234 00EA 4500660 38.84 RS22
DC1ADIST DC1ADIST IEFPROC S0810884 DB2USER NS F4 4770 0.00 0.00 0.00 248 00F8 2801 3.14 RS22
DC1AIRLM DC1AIRLM IEFPROC S0810852 DB2USER NS F8 3162 0.00 0.00 0.03 224 00E9 46 63.43 RS22
DD1AMSTR DD1AMSTR IEFPROC S0810828 DB2USER NS F4 2357 0.00 0.05 0.00 201 00C9 688895 27.56 RS22
DD1ADBM1 DD1ADBM1 IEFPROC S0814109 DB2USER NS F4 60T 0.00 0.00 0.00 376 0178 23606 11.54 RS22
EB1FDBM1 EB1FDBM1 IEFPROC S0827526 MA 0.3 01/09/23.009 10:29AM rs22
MA 0.1 01/09/23.009 10:25AM rs22 a 16,13
```



# Show Row Information

The screenshot shows two SDSF windows. The top window displays a list of jobs with their details. A callout bubble points to the top window with the text: "The '/' action can be issued on any row on any SDSF table. Will present the row information in a vertical scrollable format." The bottom window shows a detailed view of a selected job step, specifically AC1ADBM1, with various parameters like JobID, Owner, and Pos.

The SDSF session at the top shows the following command:

```
SDSF DA RS22      RS22      PAG 0   CPU/L  20/ 6   LINE 1-21( SCROLL
```

COMMAND INPUT ==>

```
PREFIX=* DEST=(ALL) OWNER=** SORT=JOBNAME/A SYSNAME=
```

NP	JOBNAME	StepName	ProcStep	JobID	Owner	C	Pos	DP	Real	Pa
/	*MASTER*			S0810051	+MASTER+	NS	FF	40T		
	AC1ADBM1	AC1ADBM1	IEFPROC	S0814067	DB2USER	NS	F2	62T		
	AC1ADIST	AC1ADIST	IEFPROC	S0814070	DB2USER	NS	F2	2635		
	AC1AIRLM	AC1AIRLM		S0814065	DB2USER	NS	F8	3160		
	AC1AMSTR	AC1AMSTR	IEFPROC	S0814063	DB2USER	NS	F2	2128		
	ADQ3DS	ADQ3DS	TEMSREMT	S0828316	ITCAMSTC	NS	F2	43T		
	ADQ3YN									
	ADQ3YN									

The SDSF session at the bottom shows the following command:

```
SDSF DA RS22      RS22      PAG 0   CPU/L  20/ 6   LINE 1-21( SCROLL
```

COMMAND ==> /

Show Columns Row 1 to 14 of 64

Column	## Value
JOBNAME	01 AC1ADBM1
StepName	01 AC1ADBM1
ProcStep	01 IEFPROC
JobID	01 S0814067
Owner	01 DB2USER
C	01
Pos	01 NS
DP	01 F2
Real	01 62,156
Paging	01 0.00
SIO	01 0.00
CPU%	01 0.00
ASID	01 335
ASIDX	01 014F

ARY32SRV ARY32SRV ARYSPSRV S0816993 ARYSTC LO FF 7636 0.00 1.40 0.20 405 0195 4528229 0.1 01/09/23.009 10:41AM rs22

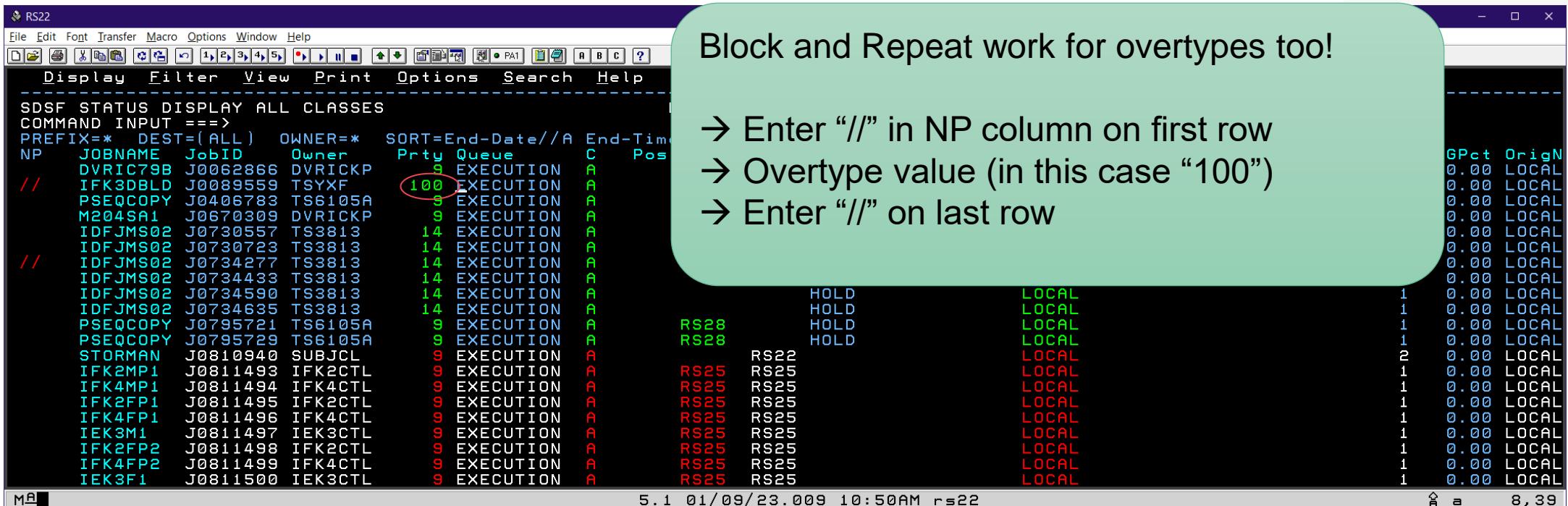
ASCH ASCH ASCH NS FE 417 0.00 0.00 0.00 111 006F 82 0.74 RS22

U% ASID ASIDX EXCP-Cnt CPU-Time SR Status SysN  
07 1 0001 113352 381.30 RS22  
00 335 014F 23504 11.31 RS22  
00 338 0152 2472 2.23 RS22  
01 314 013A 46 42.05 RS22  
00 315 013B 3371 14.97 RS22  
04 551 0227 23372 9.48 RS22  
01 565 0235 17442 4.95 RS22  
04 467 01D3 450795 12.26 DW RS22  
00 545 0221 886 0.00 LW RS22  
00 566 0236 79 0.00 LW RS22  
00 23 0017 24496 9.10 RS22  
00 14 000E 727 5.19 RS22  
00 13 000D 648 1.18 RS22  
00 266 010A 2396 0.06 RS22  
00 46 002E 168 11.42 RS22  
00 67 0043 12355 1.81 DW RS22  
00 284 011C 146 0.00 LW RS22  
06 271 010F 4528229 621.71 RS22  
00 401 0191 12758 1.71 LW RS22  
00 6364 82 16.60 DW RS22  
00 111 006F 0.74 RS22

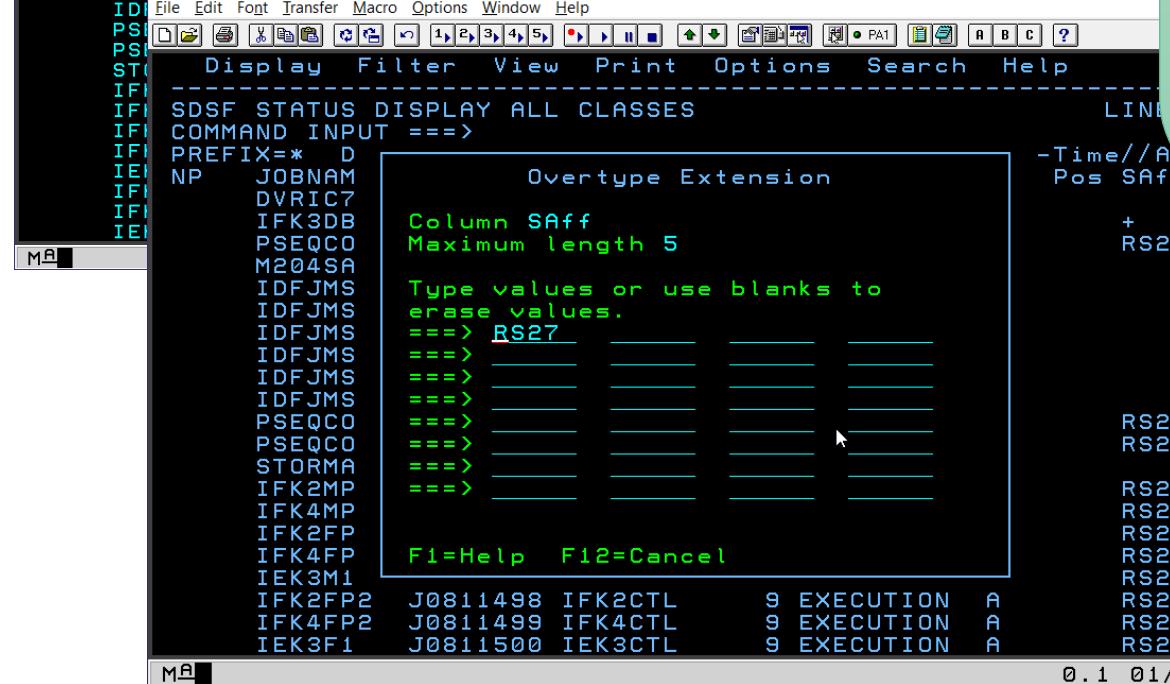
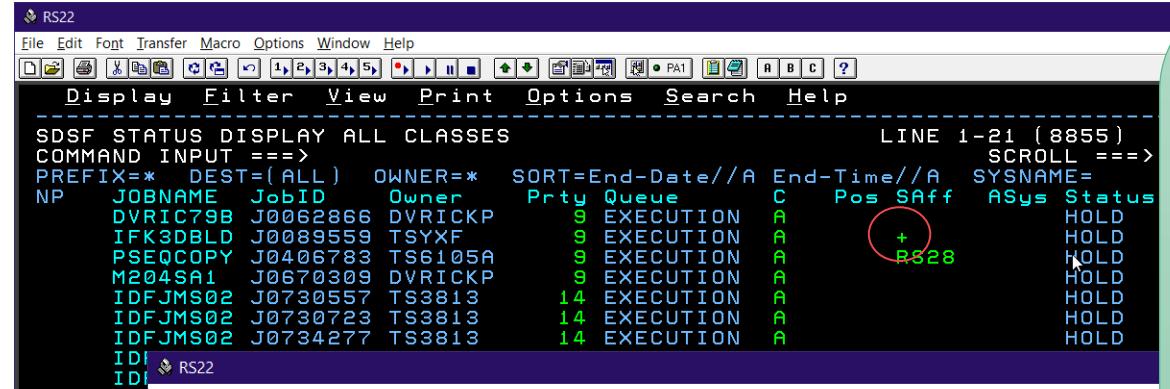


# Block and Repeat

- Block command `//` applies an action against multiple rows
  - Repeat command `=` repeats last action against the current row



# Overtype Extension



```
SDSF STATUS DISPLAY ALL CLASSES
COMMAND INPUT ===>
PREFIX=*
DEST=( ALL ) OWNER=*
SORT=End-Date//A End-Time//A SYSNAME=
NP  JOBNAME JobID Owner Ppty Queue C Pos SAff ASys Status
DVRIC79B J0062866 DVRICKP 9 EXECUTION A + RS28 HOLD
IFK3DBLD J0089559 TSYXF 9 EXECUTION A + RS28 HOLD
PSEQCOPY J0406783 TS6105A 9 EXECUTION A + RS28 HOLD
M204SA1 J0670309 DVRICKP 9 EXECUTION A + RS28 HOLD
IDFJMS02 J0730557 TS3813 14 EXECUTION A + RS28 HOLD
IDFJMS02 J0730723 TS3813 14 EXECUTION A + RS28 HOLD
IDFJMS02 J0734277 TS3813 14 EXECUTION A + RS28 HOLD

ID! RS22
ID!
ID! SDSF STATUS DISPLAY ALL CLASSES
ID! COMMAND INPUT ===>
ID! PREFIX=*
ID! NP  JOBNAME
ID! IFK3DB
ID! PSEQCO
ID! M204SA
ID! IDFJMS
ID! IDFJMS
ID! IDFJMS
ID! IDFJMS
ID! PSEQCO
ID! PSEQCO
ID! STORMA
ID! IFK2MP
ID! IFK4MP
ID! IFK2FP
ID! IFK4FP
ID! IEK3M1
ID! IFK2FP2
ID! IFK4FP2
ID! IEK3F1

          Overtake Extension
Column SAff
Maximum length 5
Type values or use blanks to
erase values.
==> RS27
==>
==>
==>
==>
==>
==>
==>
==>
==>
==>
==>
==>
==>
==>
==>
F1=Help F12=Cancel
```

0.1 01/09/23.009 10:58AM rs22

Used to overtype long values.

- When column too long for column width
- Column must be completely visible

Used to overtype multiple values.

Enter “+” in the overtype column.

- Must be only value in column
- Erase any residual data to be recognized

# Snapshot

```
RS22
File Edit Font Transfer Macro Options Window Help
Display Filter View Print Options Search Help
SDSF DA RS22      RS22      PAG 0 CPU/L 33/ 11      LINE 1-
COMMAND INPUT ==> snap se -
PREFIX=* DEST=(ALL) OWNER=* SORT=JOBNAME/A SYSNAME=
NP  JOBNAME StepName ProcStep JobID Owner   C Pos DP Rea
*MASTER*          S0810051 +MASTER+ NS FF 54
AC1ADBM1 AC1ADBM1 IEFPROC S0814067 DB2USER NS F8 62
AC1ADIST AC1ADIST IEFPROC S0814070 DB2USER NS F8 263
AC1AIRLM AC1AIRLM IEFPROC S0814065 DB2USER NS F8 216
RS22
File Edit Font Transfer Macro Options Window Help
Display Filter View Print Options Search Help
SDSF EDIT *SNAP
Command ==> -
***** *****
000001 JOBNAME StepName ProcStep JobID Owner   C
000002 *MASTER*          S0810051 +MASTER+
000003 AC1ADBM1 AC1ADBM1 IEFPROC S0814067 DB2USER
000004 AC1ADIST AC1ADIST IEFPROC S0814070 DB2USER
000005 AC1AIRLM AC1AIRLM IEFPROC S0814065 DB2USER
000006 AC1AMSTR AC1AMSTR IEFPROC S0814063 DB2USER
000007 ADQ3DS ADQ3DS TEMSREMT S0830201 ITCAMSTC
000008 ADQ3YN ADQ3YN YNAGENT S0830200 ITCAMSTC
000009 ADQ3YNSA ADQ3YNSA S0826843 ITCAMSTC
000010 ADQ3YNSA ADQ3YNSA S0829941 ITCAMSTC
000011 ADQ3YNSA ADQ3YNSA YNSUBAGT S0830202 ITCAMSTC
000012 ALLOCAS ALLOCAS
000013 ANTAS000 ANTAS000 IEFPROC
000014 ANTMMAIN ANTMMAIN IEFPROC
000015 ANZPROC ANZPROC SERVER S0811019 STCUSER
000016 APPC APPC APPC
000017 ARY032A2 ARYAGT J0829428 TS3820 A
000018 ARYSHR ARYSHR S0811127 ARYSHR
000019 ARYSHR1 ARYSHR1 S0811087 ARYSHR
000020 ARY32AGT ARY32AGT ARYSPAGT S0816994 ARYSTC
000021 ARY32SRV ARY32SRV ARYSPSRV S0816993 ARYSTC
000022 ASCH ASCH ASCH
000023 ATHSLSI1 ATHSLSI1 ATAM S0824714 STCUSER
000024 AUZJSX22 AUZJSX22 S0824290 AUZDMON
0.2 01/09/23.009 02:18PM rs22
MA
```

SNAP command can be issued on any SDSF table display and captures the results.

Accepts optional second parameter to choose the result “browse” application.

- SNAP SE      ISPF EDIT
- SNAP SV      ISPF VIEW
- SNAP SB      ISPF BROWSE
- SNAP S        SDSF browse (default)

“SET SNAP S|SB|SE|SV” can be used to override supplied default.

```
tatus SysN
RS22 RS22
RS22 RS22
RS22 RS22
RS22 RS22
001 00124
==> CSR
*****
ASID ASID
1 0001
335 014F
338 0152
314 013A
315 013B
534 0216
597 0255
497 01F1
592 0250
598 0256
000 0000
23 0017
14 000E
13 000D
266 010A
46 002E
67 0043
284 011C
271 010F
401 0191
405 0195
111 006F
488 01E8
468 01D4
000 0000
2,15
```

# Point-and-shoot

- SDSF supports various point-and-shoot functions
- NP
  - Invoke browse (or not) depending on **SET BROWSE**
- Fixed field
  - Invoke default action for the column
  - Example is **JDS** for JOBNAME on **DA**, **H**, **I**, **ST** and **O** panels
  - Can be toggled with **SET PAS ON | OFF**
    - Alias of **SET FFPS**
- Memory address fields
  - Invokes SDSF memory browse on the 31bit or 64bit address
  - Inherits the ASID and SYSNAME from the row (if present)

# Browse Sessions

# SDSF Browse

- Select action character for job output and other logical sources
  - S | SB | SE | SV Native SDSF browse
  - SB | SE | SV ISPF variants (Browse, Edit and View)
  - **SET BROWSE S | SB | SE | SV | NONE**
    - Point-and-shoot for NP – alternate to typing
- Following points apply to native SDSF browse only
- **NEXT | N** and **PREV | P** primary commands skip to next or previous logical dataset
  - Alternative to scrolling
  - Positions to start of data set
  - Option parameter of relative dataset number (default 1)
    - **N 3** would skip three data sets
    - Can use **Sn** as action character to browse and immediately skip *n* data sets

# SDSF Browse

The image displays two windows of the SDSF Browse application. Both windows have a dark background with white text and a standard Windows-style menu bar at the top.

**Top Window (Job Log):**

- Menu: File, Edit, Font, Transfer, Macro, Options, Window, Help.
- Toolbar: Includes icons for Open, Save, Print, and various selection tools.
- Text Area:
  - SDSF OUTPUT DISPLAY PDSCOTN2 JOB00774 DSID 2 LINE 0 COLUMNS 02- 133
  - COMMAND INPUT ==> n 3
  - \*\*\*\*\* TOP OF DATA \*\*\*\*\*
  - J E S 2 J O B L O G -- S Y S T E M R S 8 8 -- N O D E N 8 8
  - 11.16.17 JOB00774 ---- MONDAY,
  - 11.16.17 JOB00774 IRR010I USER
  - 11.16.17 JOB00774 IEF677I WARNI
  - 11.16.17 JOB00774 ICH70001I PDS
  - 11.16.17 JOB00774 \$HASP373 PDSC
  - 11.16.17 JOB00774 RKTSW01I
  - 11.16.17 JOB00774 RKTSW01I JO
  - 11.16.17 JOB00774 RKTSW01I PD
  - 11.16.18 JOB00774 RKTSW01I PD
  - 11.16.18 JOB00774 \$HASP395 PDSC
  - JES2 JOB STATISTICS ----
  - 30 JAN 2023 JOB EXECUTION DATE
  - 27 CARDS READ
  - 289 SYSOUT PRINT RECOR
  - 0 SYSOUT PUNCH RECOR
  - 22 SYSOUT SPOOL KBYTE
  - 0.01 MINUTES EXECUTION
  - 1 //PDSCOTN2 JOB (ACCT#
  - // NOTIFY=PDSCOT,
- Status Bar: RS88

**Bottom Window (Job Log):**

- Menu: File, Edit, Font, Transfer, Macro, Options, Window, Help.
- Toolbar: Includes icons for Open, Save, Print, and various selection tools.
- Text Area:
  - SDSF OUTPUT DISPLAY PDSCOTN2 JOB00774
  - COMMAND INPUT ==> \_
  - ADDGROUP SLIST +
  - SUPGROUP(ISF) +
  - OWNER(ISF) +
  - DATA('Group based on SDSF NTBL name SLIST')
  - CONNECT PORTMAP GROUP(SLIST) OWNER(ISF)
  - ADDGROUP DEVQA +
  - SUPGROUP(ISF) +
  - OWNER(ISF) +
  - DATA('Group based on SDSF NTBL name DEVQA')
  - CONNECT PDFLYN GROUP(DEVQA) OWNER(ISF)
  - CONNECT PDFLYNA GROUP(DEVQA) OWNER(ISF)
  - CONNECT PDFLYNB GROUP(DEVQA) OWNER(ISF)
  - CONNECT PDHOBS GROUP(DEVQA) OWNER(ISF)
  - CONNECT PDHOBSA GROUP(DEVQA) OWNER(ISF)
  - CONNECT PDHOBSB GROUP(DEVQA) OWNER(ISF)
  - CONNECT PDHOBSZ GROUP(DEVQA) OWNER(ISF)
  - CONNECT PDILYAA GROUP(DEVQA) OWNER(ISF)
  - CONNECT PDILYAA GROUP(DEVQA) OWNER(ISF)
  - CONNECT PDKURT GROUP(DEVQA) OWNER(ISF)
  - CONNECT PDKURTA GROUP(DEVQA) OWNER(ISF)
- Status Bar: 0.1 01/30/23.030 04:18PM RS88

A green callout bubble points from the text "n 3" in the top window to the explanatory text below:

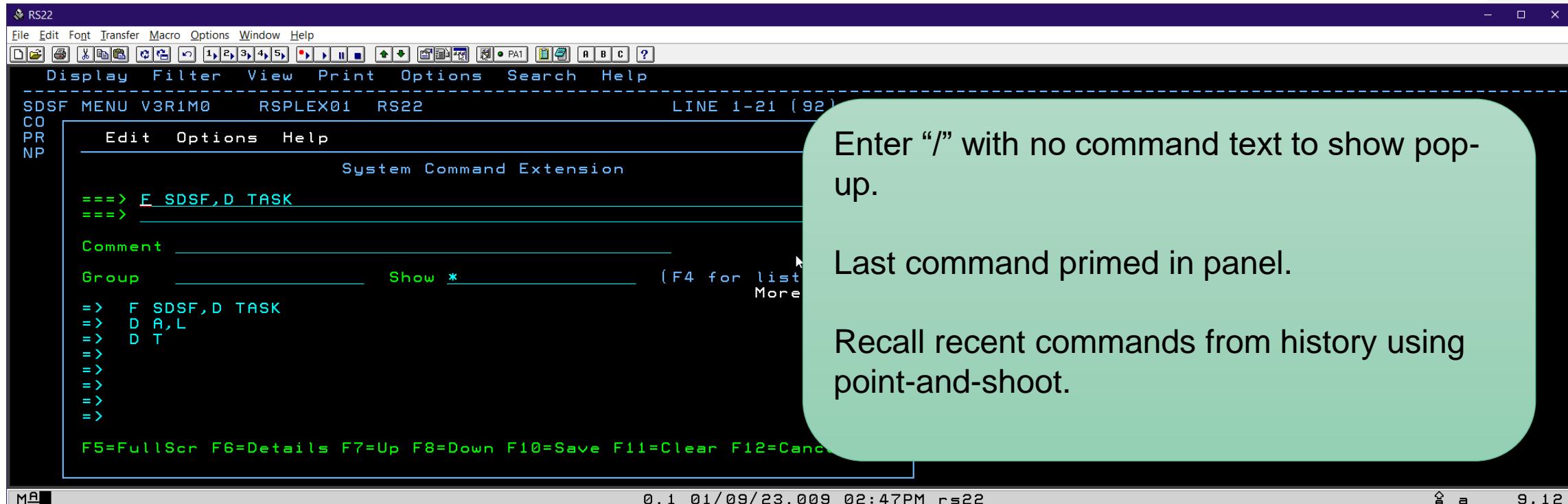
"N 3" at top of job will skip to the first application data sysout, bypassing JESMSGLG, JESJCL and JESYSMSG

# Slash Extensions

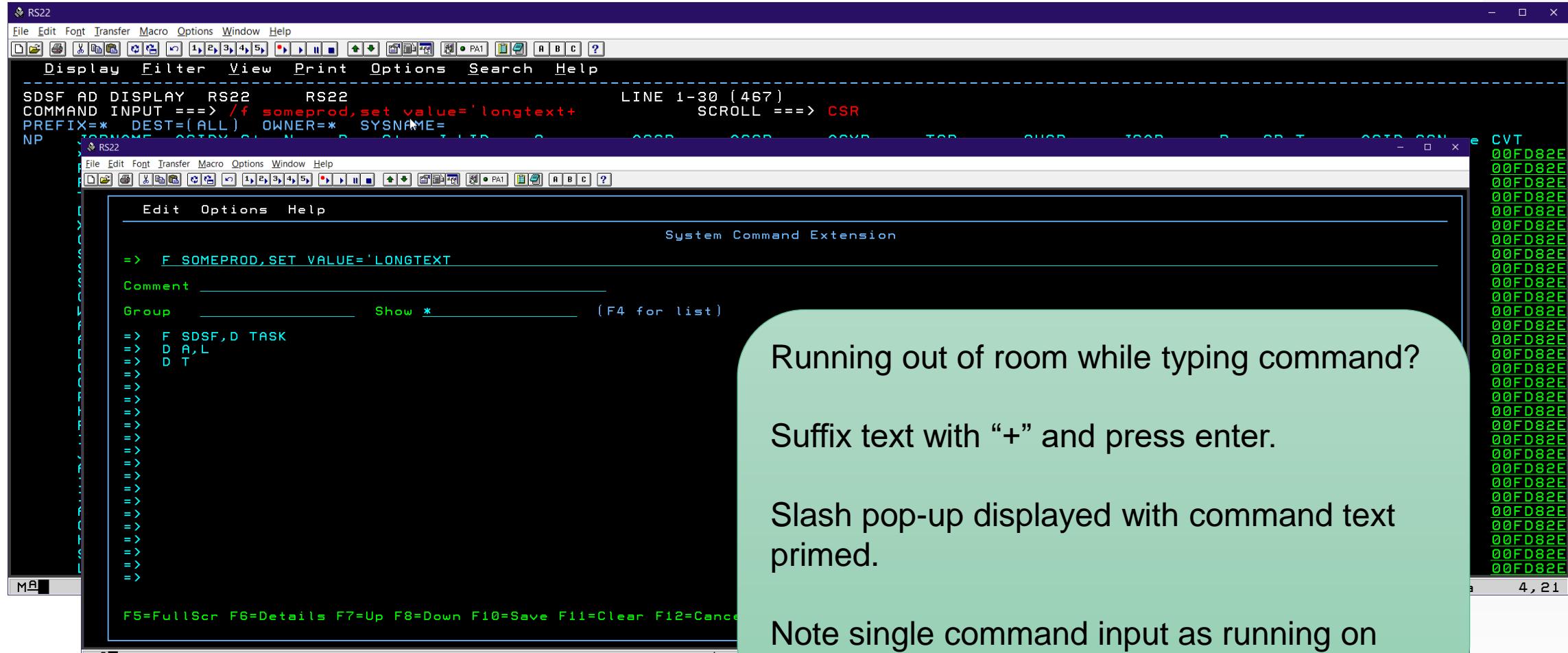
# Slash Command Tips

- Enter / with no text to drive pop-up with recently issued commands
- Use pop-up for mixed case command text
  - /cmdtext with always fold to uppercase
- Screen size greater than 36x143 enables single line entry for long operator commands (z/OS 2.5+)
  - Easier to manipulate long operator commands
- End your command with + to continue command using pop-up
  - Good for when running out of room on normal SDSF command input

# Slash Command History



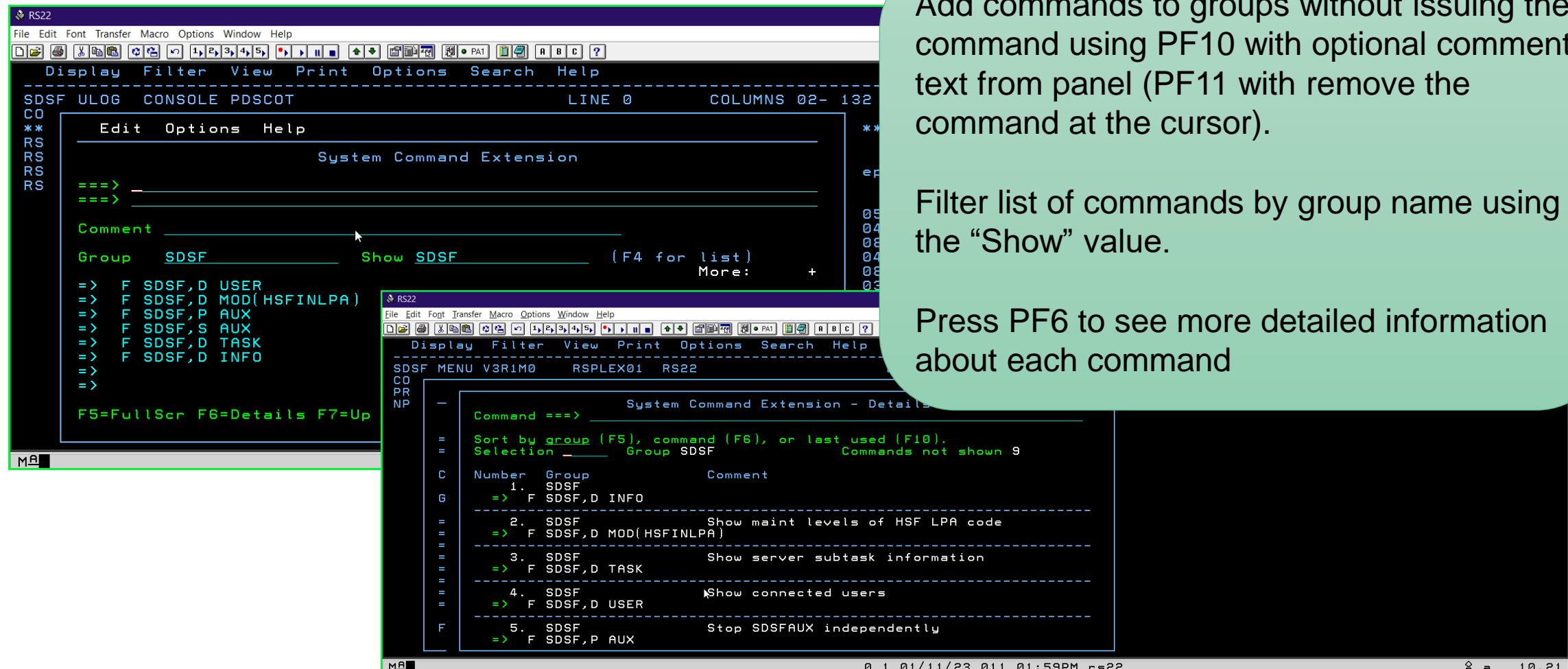
# Slash Command Extension



# Slash Command Groups

- Slash command pop-up allows you to :
  - Associate a command with a group
  - Associate a comment with a command
  - Display commands based on group pattern
  - List all command groups
  - Save a command without issuing it
  - Delete a single command, group of commands, or recent commands
  - View details about a command

# Slash Command Groups



# Searching Data Set Lists

# SDSF Displays With Data Set Lists

- Starting with z/OS 2.3, SDSF includes several displays that show lists of various types of data set
  - APF Authorized Load Libraries
  - LNK Link List
  - LPA Link Pack Area List
  - PARM Logical PARMLIB
  - PROC JES2 Proclibs
  - JDD Job Allocated Data Sets (action on DA and other panels)
- Use the SRCH command to search the list using a member name pattern
  - SRCH *member\_pattern* [*F* | *NF* | *ALL*]
  - Member name pattern can include standard \* and % masking characters
  - Optionally restrict results by :
    - Data sets containing member (F)
    - Data sets not containing member (NF)

# Searching Data Set List

The image consists of three vertically stacked screenshots of the RS22 ISPF interface. The top screenshot shows a search command: SDSF JOB DDNAMES RS22 RS22 01E9 PDSCOT. The middle screenshot shows the results of the search for 'ISR@PR\*' found in the 'PDSCOT' owner's datasets. The bottom screenshot shows a detailed view of one of the found datasets, 'RSRTE.LIBDEF.ISPPLIB.NEXT'. The interface includes a menu bar, toolbars, and status bars at the bottom.

RS22

File Edit Font Transfer Macro Options Window Help

Display Filter View Print Options Search Help

SDSF JOB DDNAMES RS22 RS22 01E9 PDSCOT LINE 1-21 (66)

COMMAND INPUT ==> srch isr@pr\* f - SCROLL ==> CSR

PREFIX=\* DEST=(ALL) OWNER=PDSCOT SYSNAME=\*

NP TYPE Seq Status DataSetName

SYSUADS 1 ALLOC SYS1.UADS

SYSLBC 1 ALLOC SYS1.BROADCAST

SYSPRINT 1 ALLOC PDSCOT.PDSCOT.T0867108.D0000101.?

ISPPROF 1 OPEN PDSCOT.RS22.ISPPROF

ISPTABL 1 ALLOC PDSCOT.RS22.ISPPROF

ISPCTL1 1 ALLOC PDSCOT.RS22.SPFTEMP1.CNTL

ISPWRK1 1 ALLOC PDSCOT.RS22.SPFTEMP1.WORK

ISPLST1 1 ALLOC PDSCOT.RS22.SPFTEMP1.LIST

ISPCTL2

ISPWRK2

ISPLST2

ISPLST2

SYSEXEC

ISPLLIB

RS22

File Edit Font Transfer Macro Options Window Help

Display Filter View Print Options Search Help

SDSF DATA SET SEARCH ISR@PR\* FOUND LINE 1-4 (4)

COMMAND INPUT ==>

PREFIX=\* DEST=(ALL) OWNER=PDSCOT SYSNAME=\*

NP DSNAME Seq VolSer Status DSOrg BlkSize

SB RSRTE.LIBDEF.ISPPLIB.NEXT 29 R3P106 FOUND PO 27920

RSPLEX01.LIBDEF.ISPPLIB 31 MCP100 FOUND PO 27920

RSRTE.LIBDEF.ISPPLIB 32 R3P101 F R3P101 4 NO 80 FB 2005.208 2023.011 RS22 ISR@PR\*

ISP.SISPENU 34 RZ205X F

File Edit Font Transfer Macro Options Window Help

Menu Functions Utilities Help

BROWSE RSRTE.LIBDEF.ISPPLIB.NEXT Row 0000001 of 0000001

Command ==> - Scroll ==> PAGE

Name Prompt Size Created Changed ID

. ISR@PRIM 415 2016/12/15 2022/05/31 09:23:14 TS5582

\*\*End\*\*

0.1 01/11/23.011 02:31PM r=22

a 4/15

“JDD” action against TSO userid PDSCOT on “DA”.

Searching for all members starting “ISR@PR” in all partitioned data sets.

From results screen (filtered by found) , user can then use “SB”, “SE” or “SV” to invoke the appropriate ISPF service on the data set name and member pattern.

# Running REXX Inside SDSF

# Running REXX Against A Row

- Use % in NP column to drive pop-up panel that asks for REXX exec name and optional arguments
  - **%name** will immediately drive the “name” REXX exec (if found) bypassing the popup
  - You might need to increase NP width using the **ARR** command in order to have enough space to type **%name**
    - You can also type **+nn** in NP to set NP width to *nn* characters
- Exec passed arguments in following format :
  - *CurrentPanel PrimaryPanel RowToken PrimaryCmd ( UserArgs*
  - RowToken required for any subsequent actions against the row
  - UserArgs contains any user specified arguments

# Running REXX Against A Row

- Use “address SDSF ISFGET” to retrieve values for the row

```
address SDSF "ISFGET ""PrimaryCmd"" TOKEN(''RowToken'')"
```

- Use ISFQUERY() function to determine if EXEC was invoked under SDSF

```
rc=isfquery()  
if rc<>0 then  
do  
  Say "*** SDSF environment does not exist, exec ending."  
  Exit 20  
end
```

- Use ISFQUERY("INIT") to set environment variables

```
rc=isfquery("INIT")  
Say "isfprefixwas set to:" isfprefix  
Say "isfownerwas set to:" isfowner  
Say "isfdestwas set to:" isfdest
```

-

# Generating SDSF REXX With RGEN

- **RGEN** command generates starter exec you can modify
  - By default generates all commands to navigate to the panel you are on
  - **RGEN X** will display pop-up with list of examples
    - Select example and modify as required
  - Exec is generated to ISPF temporary data set
    - Be sure to copy to permanent data set prior to editing
  - Contains ISPF note lines for tips and tricks
    - Use ISPF **MD** line command to convert to data lines if required
- Help for SDSF REXX
  - **REXXHELP** | **REXXH** command inside product
  - **COLSHELP** | **COLH** command inside product
  - SDSF User Guide – Using SDSF With The REXX Programming Language
  - Share 24671 - Learn To Use SDSF Rexx