z/OS V2R3 SDSF Product Update

SHARE St. Louis, Session 23530

August 16, 2018

Ken Jonas

kjonas@rocketsoftware.com

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Agenda

- Recent V2R1 and V2R2 Enhancements
- Usability enhancements in V2R3
- New tabular panels in V2R3
- z/OSMF SDSF V2R3 plug-in enhancements
- Installation
- Toleration
- Security
- Documentation and help
  - SDSF User's Guide – ***New !!***

Copyright© by SHARE Inc. Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

RECENT UPDATES (SDSF SPES)

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

SDSF Recent Updates

- SDSF V2R1 and V2R2 new function (via SPEs)

APAR	V2R1 PTF (HQX7790)	V2R2 PTF (HQX77A0)	Implements
PI43902 (Base)	UI90031	UI90032	APF, LNK, LPA, PARM, PAG, SRCH, SYS
PI56007 (Base)	UI90045	UI90046	ENQ, SYM
PI60412 (Base)	UI90050	UI90051	Support for SDSF z/OSMF plug-in
PI60831 (z/OSMF plug-in)	UI38656	UI38655	APF, LNK, LPA, PAG, PARM, SYS
PI64206 (Base)	UI41033	UI41032	AS, DYNX, PROC
PI68831 (Base)	UI90061	UI90062	Support for SDSF z/OSMF plug-in
PI64210 (z/OSMF plug-in)	UI42812	UI42811	AS, PS, SP

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

SDSF Recent Updates

- New Panels
  - AS – Address space memory
  - APF – APF list **
  - JS – Job Step (V2R2 and higher)
  - LNK – Link list **
  - LPA – LPA list **
  - PAG – Page data sets
  - PARM – Parmlib data sets **
  - PROC – Proclib data sets (V2R2 JES2 only) **

  - SRCH – Search for member pattern

** SRCH command applies

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

SDSF Recent Updates

- SYS – System information panel
- DYNX – Dynamic exits
- ENQ – Enqueues (ENQC for contention)

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

SDSF Recent Updates

- z/OSMF SDSF/UI new panels
  - Address Space Storage
  - APF list
  - Link list
  - LPA list
  - Page Data Sets
  - Parmlib data sets
  - Unix Processes
  - Spool Data Sets
  - System Information

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Address Space Storage (AS) Panel

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF AS DISPLAY  RS86     RS86                          LINE 1-24 (71)
COMMAND INPUT ===>                                        SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SORT=CSA/D  SYSNAME=
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,JC-JobModule,JD-JobDevices,
ACTION=JM-JobMemory,JT-JobTasks
NP    JOBNAME  ASIDX Real  Fixed CSA      CSA%   ECSA     ECSA%  SQA      SQA%
      MXIMAST  005E  14556   366   207184   6.04  1222776   0.68        0   0.00
      *MASTER* 0001   3552  2468   127304   3.71  2681392   1.49    30848   1.86
      RACF     0029    849    87    35424   1.03      736   0.00       64   0.00
      VTAM     0025   2963   134    25160   0.73  2418472   1.34        0   0.00
      JES2     0023   8655   983    17624   0.51  1248488   0.69       64   0.00
      CONSOLE  000A   2473   145     2880   0.08    57288   0.03    11672   0.70
      TSO      0055    379    77      920   0.02     2424   0.00        0   0.00
      TS5485   004E   2116   117      136   0.00     3160   0.00       96   0.00
      TCPIP    005A  13635   340      136   0.00    49920   0.02        0   0.00
      XDCSRVER 0073   3602   136      136   0.00    29240   0.01        0   0.00
      TN3270   0074   2701   119      136   0.00    34552   0.01        0   0.00
      PCAUTH   0002    111    61        0   0.00        0   0.00       64   0.00
      RASP     0003    327   312        0   0.00        0   0.00        0   0.00
      TRACE    0004   5850   593        0   0.00        0   0.00        0   0.00
      DUMPSRV  0005    415   129        0   0.00     4696   0.00       64   0.00
      XCFAS    0006   5058  1668        0   0.00        0   0.00      160   0.00
      GRS      0007  24637   340        0   0.00     2304   0.00       48   0.00
      SMSPDSE  0008    697   126        0   0.00        0   0.00        0   0.00
      SMSPDSE1 0009   1580   126        0   0.00        0   0.00        0   0.00
      WLM      000B   2097   164        0   0.00   104488   0.05        0   0.00
      ANTMAIN  000C   1654   208        0   0.00   801432   0.44        0   0.00
      ANTAS000 000D   1550   184        0   0.00   185984   0.10        0   0.00
      DEVMAN   000E    505    74        0   0.00    93648   0.05        0   0.00
      GTZ      000F    279    71        0   0.00     1584   0.00        0   0.00
```

Tip: sort CSA descending to show highest utilization

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Address Space Storage (AS) Panel

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------
SDSF AS DISPLAY  RS86     RS86                          LINE 1-24 (71)
COMMAND INPUT ===>                                        SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SORT=CSA/D  SYSNAME=
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,JC-JobModule,JD-JobDevices,
ACTION=JM-JobMemory,JT-JobTasks
NP    JOBNAME  MemObjNum MemObjUsed MemObjHWM HVComNum HVComUsed HVComHWM ShrMON
      MXIMAST         21     1212MB    1468MB        0        0        0
      *MASTER*         3        5MB       6MB        5     38MB     38MB
      RACF             3        6MB       6MB        1      1MB      1MB
      VTAM             4        7MB       7MB        2      5MB      5MB
      JES2            11      824MB     824MB        1      1MB      1MB
      CONSOLE          1        3MB       3MB        1      1MB      1MB
      TSO              6        9MB       9MB        0        0        0
      TS5485          16       98MB      99MB        0        0        0
      TCPIP          120      178MB     178MB        4    2711MB   2711MB
      XDCSRVER         8       11MB      11MB        0        0        0
      TN3270          14     1042MB    1042MB        2      3MB      3MB
      PCAUTH           0          0         0        1      1MB      1MB
      RASP             0          0         0        0        0        0
      TRACE           13       25MB      25MB        0        0        0
      DUMPSRV          4     2021MB    2021MB        3      3MB      3MB
      XCFAS            6        9MB       9MB        1      1MB      1MB
      GRS             11   241661MB  241661MB        1      1MB      1MB
      SMSPDSE         27       45MB      45MB        0        0        0
      SMSPDSE1        29       47MB      47MB        0        0        0
      WLM              3        6MB       6MB        1      1MB      1MB
      ANTMAIN         11       14MB      15MB        0        0        0
      ANTAS000        11       14MB      14MB        0        0        0
      DEVMAN           3        6MB       6MB        0        0        0
      GTZ              4      205MB     205MB        0        0        0
```

Tip: set display on *to show current prefix and owner*

Memory objects

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Address Space Storage (AS) Panel

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF AS DISPLAY  RS86     RS86                          LINE 1-24 (71)
COMMAND INPUT ===>                                          SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SORT=CSA/D  SYSNAME=
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,JC-JobModule,JD-JobDevices,
ACTION=JM-JobMemory,JT-JobTasks
NP    JOBNAME  StepName ProcStep JobID    Owner    Pos SR Type ASID  SSName SysN
      MXIMAST  MXIMAST  MXXMSTK4 STC08645 MXISTC   NS     STC     94 JES2   RS86
      *MASTER*                   STC08593 +MASTER+ NS     STC      1 JES2   RS86
      RACF     RACF     RACF     STC08665 RACF     NS     STC     41 JES2   RS86
      VTAM     VTAM     VTAM     STC08594 VTAM     NS     STC     37 JES2   RS86
      JES2     JES2     IEFPROC                    NS     STC     35 JES2   RS86
      CONSOLE  CONSOLE                             NS     STC     10        RS86
      TSO      TSO      STEP1    STC08636 ++++++++ OUT LW STC     85 JES2   RS86
      TS5485   ROCKPROC S86TCP05 TSU08759 TS5485   IN     TSU     78 JES2   RS86
      TCPIP    TCPIP    TCPIP    STC08639 TCPIP    NS     STC     90 JES2   RS86
      XDCSRVER XDCSRVER XDCSRVER STC08679 ++++++++ NS     STC    115 JES2   RS86
      TN3270   TN3270   TN3270   STC08682 TN3270   NS     STC    116 JES2   RS86
      PCAUTH   PCAUTH                              NS     STC      2        RS86
      RASP     RASP                                NS     STC      3        RS86
      TRACE    TRACE                               NS     STC      4        RS86
      DUMPSRV  DUMPSRV  DUMPSRV                    NS     STC      5        RS86
      XCFAS    XCFAS    IEFPROC                    NS     STC      6        RS86
      GRS      GRS                                 NS     STC      7        RS86
      SMSPDSE  SMSPDSE                             NS     STC      8        RS86
      SMSPDSE1 SMSPDSE1                            NS     STC      9        RS86
      WLM      WLM      IEFPROC                    NS     STC     11        RS86
      ANTMAIN  ANTMAIN  IEFPROC                    NS     STC     12        RS86
      ANTAS000 ANTAS000 IEFPROC                    NS     STC     13        RS86
      DEVMAN   DEVMAN   IEFPROC                    NS     STC     14        RS86
      GTZ      GTZ      GTZ                        NS     STC     15        RS86
```

Job detail columns

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

APF Panel

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------
SDSF APF DISPLAY  RS86     RS86     EXT    69          LINE 1-24 (41)
COMMAND INPUT ===>                                      SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,D-Display,DA-DisplayAll,
ACTION=SB-ISPFBrowse,SE-ISPFEdit
NP   DSNAME                      Seq VolSer Status   BlkSize Extent SMS LRecL
     SYS1.LINKLIB                  1 RZ203A OK         32760      1 NO      0
     SYS1.SVCLIB                   2 RZ203A OK         32760      1 NO      0
     CEE.SCEERUN                   3 RZ203A OK         32760      1 NO      0
     CEE.SCEERUN2                  4 RZ203A OK         32760      1 NO      0
     CSF.SCSFMOD0                  5 RZ203A OK         32760      1 NO      0
     DIT.HOGB310.SDITMOD1          6 RZ203A OK         32760      1 NO      0
     EQAW.SEQAAUTH                 7 RZ203A MISSING        0      0 NO      0
     EQAW.SEQABMOD                 8 RZ203A MISSING        0      0 NO      0
     EQAW.SEQAMOD                  9 RZ203A MISSING        0      0 NO      0
     FFST.V120ESA.SEPWMOD1        10 RZ203A OK         32760      1 NO      0
     FFST.V120ESA.SEPWMOD2        11 RZ203A OK         32760      1 NO      0
     REXX.SEAGALT                 12 RZ203A OK         32760      1 NO      0
     REXX.SEAGLPA                 13 RZ203A MISSING        0      0 NO      0
     SYS1.CSSLIB                  14 RZ203A OK         32760      1 NO      0
     SYS1.MIGLIB                  15 RZ203A OK         32760      1 NO      0
     SYS1.NFSLIBE                 16 RZ203A OK         32760      1 NO      0
     SYS1.SBDTCMD                 17 RZ203A OK         32760      1 NO      0
     SYS1.SBDTLIB                 18 RZ203A OK         32760      1 NO      0
     SYS1.SERBLINK                19 RZ203A OK         32760      1 NO      0
     SYS1.SHASLNKE                20 RZ203A OK         32760      1 NO      0
     SYS1.SHASMIG                 21 RZ203A OK         32760      1 NO      0
     SYS1.SISTCLIB                22 RZ203A OK         32760      4 NO      0
     SYS1.VTAMLIB                 23 RZ203A OK         32760      1 NO      0
     TCPIP.SEZADSIL               24 RZ203A OK         32760      7 NO      0
```

Might need attention

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Job Step Panel

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF STATUS DISPLAY ALL CLASSES                          LINE 510-515 (515)
COMMAND INPUT ===>                                          SCROLL ===> HALF
PREFIX=**  DEST=(ALL)  OWNER=*  SYSNAME=
NP    JOBNAME  JobID    Owner    Prty Queue      C  Pos  SAff  ASys Status
      BPXAS    STC07638 BPXAS       1 PRINT          280
      OOPSLIST JOB07642 PDZTEAM     1 PRINT      A   281
      BPXAS    STC07643 BPXAS       1 PRINT          282
      SENDALRT STC07647 STCUSER     1 PRINT          283
js    TESTSTEP JOB07648 TS5485      1 PRINT      A   284
      JOBB     JOB09406 TS5485      9 SETUP      A     4
```

js action to access Job Step panel

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF JOB STEP DISPLAY - JOB TESTSTEP (JOB07648) SMF    LINE 1-10 (10)
COMMAND INPUT ===>                                          SCROLL ===> HALF
PREFIX=**  DEST=(ALL)  OWNER=*  SYSNAME=
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,S-Browse,Sn-BrowseLocDS,
ACTION=SB-ISPFBrowse,SE-ISPFEdit,SJ-JCLEdit,X-Print,XC-PrintClose,XD-PrintDS,
ACTION=XDC-PrintDSClose,XF-PrintFile,XFC-PrintFileClose,XS-PrintSysout,
ACTION=XSC-PrintSysoutClose
NP    STEPNAME ProcStep Pgm-Name Step-CC     StepNum Elapsed      EXCP-Cnt CPU-Tim
      STEP1             IEFBR14  CC 0000          1  0:00:00.01         8  0:00:0
      STEP2             IEBGENER CC 0012          2  0:00:00.01         9  0:00:0
      STEP3             IEFBR14  CC 0000          3  0:00:00.01         6  0:00:0
      STEP4             AMBLIST  CC 0000          4  0:00:00.01        28  0:00:0
      STEP5             IEBCOPY  CC 0008          5  0:00:00.03        62  0:00:0
      STEP6             IEFBR14  CC 0000          6  0:00:00.00         9  0:00:0
      STEP7             IEBDG    CC 0012          7  0:00:00.01        24  0:00:0
      STEP8             IDCAMS   CC 0016          8  0:00:00.01         8  0:00:0
      STEP9             IEFBR14  CC 0000          9  0:00:00.01        10  0:00:0
      STEP10            SDSF     ABENDU0013      10  0:00:05.34      1427  0:00:0
```

Step details from SMF

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Link List (LNK) Panel

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF LNK DISPLAY  RS86     RS86     EXT    68          LINE 1-24 (49)
COMMAND INPUT ===>                                      SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,D-Display,DN-DisplayNames,
ACTION=SB-ISPFBrowse,SE-ISPFEdit
NP    DSNAME                              Seq VolSer BlkSize Extent SMS APF LRecL
      SYS1.LINKLIB                          1 RZ203A   32760      1 NO  YES     0
      SYS1.MIGLIB                           2 RZ203A   32760      1 NO  YES     0
      SYS1.CSSLIB                           3 RZ203A   32760      1 NO  YES     0
      SYS1.SIEALNKE                         4 RZ203A   32760      1 NO  NO      0
      SYS1.SIEAMIGE                         5 RZ203A   32760      1 NO  NO      0
      DEVRTE.HSF.SMPE.SDSF0203.SISFLOAD     6 R3P1D1   32760      2 YES NO      0
      RS86.LINKLIB                          7 MCPG00   32760      1 NO  NO      0
      RSPLEX0G.LINKLIB                      8 MCPG00   32760      1 NO  NO      0
      RSRTE.LINKLIB                         9 R3P100   32760      1 YES NO      0
      ASM.SASMMOD1                         10 RZ203A   32760      1 NO  NO      0
      CBC.SCCNCMP                          11 RZ203A   32760      1 NO  NO      0
      CBC.SCLBDLL                          12 RZ203A   32760      1 NO  NO      0
      CBC.SCLBDLL2                         13 RZ203A   32760      1 NO  NO      0
      CEE.SCEERUN                          14 RZ203A   32760      1 NO  YES     0
      CEE.SCEERUN2                         15 RZ203A   32760      1 NO  YES     0
      CSF.SCSFMOD0                         16 RZ203A   32760      1 NO  YES     0
      DIT.HOGB310.SDITMOD1                 17 RZ203A   32760      1 NO  YES     0
      FFST.V120ESA.SEPWMOD2                18 RZ203A   32760      1 NO  YES     0
      FFST.V120ESA.SEPWMOD4                19 RZ203A   32760      1 NO  NO      0
      GDDM.SADMMOD                         20 RZ203A   32760      1 NO  NO      0
      GIM.SGIMLMD0                         21 RZ203A   32760      1 NO  NO      0
      ISP.SISPLOAD                         22 RZ203A   32760      1 NO  NO      0
      REXX.SEAGALT                         23 RZ203A   32760      1 NO  YES     0
      SYS1.CMDLIB                          24 RZ203A   32760      1 NO  NO      0
```

Total extents being shown

Concatenation sequence

Data set extents

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

LPA List (LPA) Panel

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF LPA DISPLAY  RS86     RS86     EXT    48          LINE 1-16 (16)
COMMAND INPUT ===>                                       SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,SB-ISPFBrowse,SE-ISPFEdit
NP    DSNAME                        Seq VolSer BlkSize Extent SMS APF LRecL DSOrg
      SYS1.LPALIB                     1 RZ203A   32760      5 NO  NO      0 PO
      RSRTE.LPALIB                    2 R3P104   32760     10 YES NO      0 PO
      ROCKET.USER.RS86.LPALIB         3 S1PG00   27920      1 YES NO      0 PO
      ROCKET.USER.LPALIB              4 S1PG00   27920      1 YES NO      0 PO
      SYS1.SERBLPA                    5 RZ203A   32760      6 NO  NO      0 PO
      SYS1.SBDTLPA                    6 RZ203A   32760      1 NO  NO      0 PO
      CEE.SCEELPA                     7 RZ203A   32760      9 NO  NO      0 PO
      ISP.SISPLPA                     8 RZ203A   32760      3 NO  NO      0 PO
      TCPIP.SEZALPA                   9 RZ203A   32760      1 NO  NO      0 PO
      RSRTE.VENDOR.XDC.XDCPLPA       10 R3P103   32760      5 YES NO      0 PO
      SYS1.SORTLPA                   11 RZ203A   32760      1 NO  NO      0 PO
      SYS1.SDWWDLPA                  12 RZ203A   32760      1 NO  NO      0 PO
      SYS1.SICELPA                   13 RZ203A   32760      1 NO  NO      0 PO
      SYS1.SIATLPA                   14 RZ203A   32760      1 NO  NO      0 PO
      DEVRTE.HSF.DEVB0203.SISFLPA    15 R3P1D0    6144      1 YES NO      0 PO
      ISF.SISFLPA                    16 RZ203A   32760      1 NO  NO      0 PO
```

Concatenation sequence

Tip: sysname (blank) *for local system*

System you are logged on to

System pattern being processed (SYSNAME command)

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Page Data Sets (PAG) Panel

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------
SDSF PAG DISPLAY  RS86     (ALL)                      LINE 1-6 (6)
COMMAND INPUT ===> set action on                          SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,D-Display,DC-DisplayCommon,
ACTION=DD-DisplayPageDel,DL-DisplayLocal,DP-DisplayPLPA,DS-DisplaySCM
NP   DSNAME           Type   Slots    Used     Use% VolSer Status   VIO IOError
     RS86.PAGE.PLPA   PLPA       179     179  100 PGPG02 OK       NO        0
     RS86.PAGE.COMMON COMMON   53999   15918   29 PGPG02 OK       NO        0
     RS86.PAGE.LOCAL1 LOCAL   539999       0    0 PGPG02 OK       YES       0
     RS88.PAGE.PLPA   PLPA       179     179  100 PGPG04 OK       NO        0
     RS88.PAGE.COMMON COMMON   53999   15918   29 PGPG04 OK       NO        0
     RS88.PAGE.LOCAL1 LOCAL   539999       0    0 PGPG04 OK       YES       0
```

Tip: set action on *to show action characters*

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Parmlib Data Sets (PARM) Panel

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF PARMLIB DISPLAY  RS86     (ALL)    EXT    58      LINE 1-10 (10)
COMMAND INPUT ===>                                        SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,D-Display,DE-DisplayErrors,
ACTION=SB-ISPFBrowse,SE-ISPFEdit
NP    DSNAME                  Seq VolSer BlkSize Extent SMS CrDate   SysName  Sy
      RSPLEXOG.PARMLIB.ZOS202   1 MCPG00   27920      1 NO  2015.266 RS86     z/
      RSPLEXOG.PARMLIB          2 MCPG00   27920     10 NO  2015.142 RS86     z/
      RSRTE.PARMLIB             3 R3P104   27920      1 YES 2007.031 RS86     z/
      ROCKET.USER.PARMLIB       4 S1PG00   27920     16 YES 2016.196 RS86     z/
      SYS1.PARMLIB              5 RZ203A   27920      1 NO  2015.273 RS86     z/
      RSPLEXOG.PARMLIB.ZOS202   1 MCPG00   27920      1 NO  2015.266 RS88     z/
      RSPLEXOG.PARMLIB          2 MCPG00   27920     10 NO  2015.142 RS88     z/
      RSRTE.PARMLIB             3 R3P104   27920      1 YES 2007.031 RS88     z/
      ROCKET.USER.PARMLIB       4 S1PG00   27920     16 YES 2016.196 RS88     z/
      SYS1.PARMLIB              5 RZ203A   27920      1 NO  2015.273 RS88     z/
```

Concatenation sequence

Tip: use arrange command to reorder columns as is shown here

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Proclib Data Sets (PROC) Panel (JES2 only)

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF PROC DISPLAY  RS86     EXT    10                  LINE 1-9 (9)
COMMAND INPUT ===>                                       SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,D-Display,DD-DisplayDebug
NP    DDNAME    Seq DSName                                 VolSer DefVol St
      PROC00      1 RS86.PROCLIB.ZOS203                    MCPG00 MCPG00 OK
      PROC00      2 RS86.PROCLIB                           MCPG00 MCPG00 OK
      PROC00      3 RSPLEX0G.PROCLIB.ZOS203                MCPG00 MCPG00 OK
      PROC00      4 RSPLEX0G.PROCLIB                       MCPG00 MCPG00 OK
      PROC00      5 RSRTE.TSOU.PROCLIB                     R3P101 R3P101 OK
      PROC00      6 RSRTE.PROCLIB                          R3P108 R3P108 OK
      PROC00      7 ROCKET.PROD.PROCLIB                    S1PG00 S1PG00 OK
      PROC00      8 ROCKET.USER.PROCLIB                    S1PG00 S1PG00 OK
      PROC00      9 SYS1.PROCLIB                           RZ203A RZ203A OK
```

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Search For Member (SRCH) Panel

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF PARMLIB DISPLAY  RS86      (ALL)    EXT    58      LINE 1-10 (10)
COMMAND INPUT ===> srch isfprm*                                SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
NP    DSNAME                  Seq VolSer SysName  SysLevel      CrDate   BlkSize
      RSPLEXOG.PARMLIB.ZOS202   1 MCPG00 RS86     z/OS 02.03.00 2015.266   27920
      RSPLEXOG.PARMLIB          2 MCPG00 RS86     z/OS 02.03.00 2015.142   27920
      RSRTE.PARMLIB             3 R3P104 RS86     z/OS 02.03.00 2007.031   27920
      ROCKET.USER.PARMLIB       4 S1PG00 RS86     z/OS 02.03.00 2016.196   27920
      SYS1.PARMLIB              5 RZ203A RS86     z/OS 02.03.00 2015.273   27920
      RSPLEXOG.PARMLIB.ZOS202   1 MCPG00 RS88     z/OS 02.03.00 2015.266   27920
      RSPLEXOG.PARMLIB          2 MCPG00 RS88     z/OS 02.03.00 2015.142   27920
      RSRTE.PARMLIB             3 R3P104 RS88     z/OS 02.03.00 2007.031   27920
      ROCKET.USER.PARMLIB       4 S1PG00 RS88     z/OS 02.03.00 2016.196   27920
      SYS1.PARMLIB              5 RZ203A RS88     z/OS 02.03.00 2015.273   27920
```

Member name pattern

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF SRCH DISPLAY  ISFPRM*                          LINE 1-10 (10)
COMMAND INPUT ===>                                     SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,=-Repeat,SB-ISPFBrowse,SE-ISPFEdit
NP    DSNAME                  Seq VolSer Status          DSOrg BlkSize Extent S
      RSPLEXOG.PARMLIB.ZOS202   1 MCPG00 NOT FOUND        PO      27920      1 N
      RSPLEXOG.PARMLIB          2 MCPG00 NOT FOUND        PO      27920     10 N
se    RSRTE.PARMLIB             3 R3P104 FOUND            PO      27920      1 Y
      ROCKET.USER.PARMLIB       4 S1PG00 FOUND            PO      27920     16 Y
      SYS1.PARMLIB              5 RZ203A NOT FOUND        PO      27920      1 N
      RSPLEXOG.PARMLIB.ZOS202   1 MCPG00 NOT FOUND        PO      27920      1 N
      RSPLEXOG.PARMLIB          2 MCPG00 NOT FOUND        PO      27920     10 N
      RSRTE.PARMLIB             3 R3P104 FOUND            PO      27920      1 Y
      ROCKET.USER.PARMLIB       4 S1PG00 FOUND            PO      27920     16 Y
      SYS1.PARMLIB              5 RZ203A NOT FOUND        PO      27920      1 N
```

Pattern found (row highlighted)

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Search for Member (SRCH) Panel

```
  Menu  Functions  Utilities  Help
------------------------------------------------------------------------
EDIT     RSRTE.PARMLIB                                     Row 0000001 of
Command ===> ____________________________________________________ Scroll ==
   Name     Prompt          Size    Created          Changed
. ISFPRMR@                  352   2014/03/10   2014/03/10 08:20:45
s ISFPRMRS                  341   2011/04/15   2014/03/10 08:29:32
. ISFPRMRX                  350   2003/11/04   2009/11/19 05:19:35
. ISFPRM11                  277   2007/02/01   2007/02/01 08:39:59
  **End**
```

```
  File  Edit  Edit_Settings  Menu  Utilities  Compilers  Test  Help
------------------------------------------------------------------------------
EDIT       RSRTE.PARMLIB(ISFPRMRS) - 01.05                Columns 00001 00072
Command ===> ____________________________________________________ Scroll ===> PAGE
000016 /*****************************************************************/
000017 /*                                                               */
000018 /*                                                               */
000019 /*              Sample Initialization Statements                 */
000020 /*                                                               */
000021 /*  This is a sample SDSF parameter definition.  It is equivalent */
000022 /*  to the macros supplied in ISFPARMS.                          */
000023 /*                                                               */
000024 /*  The following are general syntax rules for coding the SDSF   */
000025 /*  initialization statements.  Refer to the SDSF Customization  */
000026 /*  and Security manual for more detail.                         */
000027 /*                                                               */
000028 /*    - Statements are free form, and can appear in any column 1-72. */
000029 /*      An optional sequence number may be coded in columns 73-80, */
000030 /*      but it is not used by SDSF.                              */
000031 /*                                                               */
000032 /*    - A statement can span any number of lines.  Use a trailing */
000033 /*      comma to indicate that a statement is continued.         */
```

ISPF displays member list when pattern matches multiple members

Select member to edit. You can also use SB on SRCH panel to browse.

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

System (SYS) Panel

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF SYS DISPLAY  RS86     (ALL)                        LINE 1-2 (2)
COMMAND INPUT ===>                                        SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,D-DisplayIPL,DAA-DisplayAll,
ACTION=DAL-DisplayList,DALO-DisplayAlloc,DC-DisplayConsoles,DCEE-DisplayLE,
ACTION=DD-DisplayDump,DEM-DisplayEMCS,DG-DisplayGRS,DI-DisplayIOS,
ACTION=DIQP-DisplayIQP,DLL-DisplayLLA,DLO-DisplayLogger,DLR-DisplayLogrec,
ACTION=DM-DisplayConfig,DMP-DisplayMPF,DO-DisplayOMVS,DP-DisplayProd,
ACTION=DPCD-DisplayPCIEDev,DPCI-DisplayPCIE,DSF-DisplaySMF,DSL-DisplaySlip,
ACTION=DSM-DisplaySMS,DSY-DisplaySymbols,DT-DisplayTime,DTO-DisplayTSOptions,
ACTION=DTR-DisplayTrace,DTS-DisplayTSUsers,DW-DisplayWLM,DX-DisplaySysplex
NP   SYSNAME   SysLevel    CPU%      SIO Aux% CSA% SQA% ECSA% ESQA% UIC    Spool%
     RS86      z/OS 02.03   38        0    0   15   20    21    93 65535      9
     RS88      z/OS 02.03   62        0    0   14   20    21    91 65535      9
```

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF SYS DISPLAY  RS86     (ALL)                        LINE 1-2 (2)
COMMAND INPUT ===> l cads%                                SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
NP   SYSNAME   CADS% PageRate Real      RealAFC  RealAFCB Fix% FixB% MaxASID Free
     RS86        42        0  1276155   752380     3720    4     1     605
     RS88        42        0  1276159   973581     3687    4     1     605
```

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF SYS DISPLAY  RS86     (ALL)                        LINE 1-2 (2)
COMMAND INPUT ===> l free                                 SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
NP   SYSNAME  FreeASID BadASID    STC    TSU    Job WTOR Sysplex  LPAR     VMUs
     RS86        481       2     70      1      3    2 RSPLEXOG          RS86
     RS88        485       2     66      1      0    2 RSPLEXOG          RS88
```

Tip: use locate (l) command to position to first column that matches

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

System (SYS) Panel

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF SYS DISPLAY  RS86     (ALL)                        LINE 1-2 (2)
COMMAND INPUT ===>                                         SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
NP   SYSNAME  VMUser   JES  JESNode  SMF  IPLVol IPLUnit IPLDate            IP
     RS86     RS86     JES2 N1       RS86 RZ203A 6501    06/12/2017 08:38:40 CO
     RS88     RS88     JES2 N1       RS88 RZ203A 6501    06/12/2017 08:10:35 CO
```

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF SYS DISPLAY  RS86     (ALL)                        LINE 1-2 (2)
COMMAND INPUT ===>                                         SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
NP   SYSNAME  IPLUnit IPLDate            IPLType IPLDays LoadParm CVTVERID
     RS86     6501    06/12/2017 08:38:40 COLD          8 6132SCM1 RPD7FXP7 09M
     RS88     6501    06/12/2017 08:10:35 COLD          8 6132SCM1 RPD7FXP7 09M
```

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF SYS DISPLAY  RS86     (ALL)                        LINE 1-2 (2)
COMMAND INPUT ===>                                         SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
NP   SYSNAME  LoadDSName     LoadUnit IEASYS          IEASYM          GRS  HW
     RS86     SYS1.IPLPARM   6132     RS              RS              STAR Z1
     RS88     SYS1.IPLPARM   6132     RS              RS              STAR Z1
```

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF SYS DISPLAY  RS86     (ALL)                        LINE 1-2 (2)
COMMAND INPUT ===>                                         SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
NP   SYSNAME  HWName   CPC                          MSU      SysMSU   AvgMSU
     RS86     Z13      002964.N30.IBM.02.00000009F6C7     1496      332
     RS88     Z13      002964.N30.IBM.02.00000009F6C7     1496      332
```

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

System (SYS) Panel

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF SYS DISPLAY  RS86     (ALL)                        LINE 1-2 (2)
COMMAND INPUT ===>                                         SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
NP   SYSNAME  #CPU #ZAAP #ZIIP OSConfig EDT NUCLST IEANUC IODFDSName  IODFDate
     RS86        2     0     0 OS390VM      VM     01     SYS1.IODF99 05/04/201
     RS88        2     0     0 OS390VM      VM     01     SYS1.IODF99 05/04/201
```

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF SYS DISPLAY  RS86     (ALL)                        LINE 1-2 (2)
COMMAND INPUT ===>                                         SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
NP   SYSNAME  CatDSName                CatVol MLA CatType NetID    SSCP
     RS86     CATALOG.RSPLEX0G.MASTER MCPG00 1   ICF     ROCKNET1 ROCKNET1.RS86
     RS88     CATALOG.RSPLEX0G.MASTER MCPG00 1   ICF     ROCKNET1 ROCKNET1.RS88
```

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF SYS DISPLAY  RS86     (ALL)                        LINE 1-2 (2)
COMMAND INPUT ===>                                         SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
NP   SYSNAME  IPLCurr IODFUnit IODFCurr
     RS86     6501    6132     6132
     RS88     6501    6132     6132
```

Tip: use arrange command to change column width:
arr iodfds 10

Added in V2R3

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Dynamic Exits (DYNX) Panel

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF DYNX DISPLAY  RS86     RS86                          LINE 12-33 (120)
COMMAND INPUT ===>                                          SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,A-Activate,D-Display,
ACTION=DA-DisplayAll,DAI-DisplayAllImp,DD-DisplayDiag,DI-DisplayInstallation,
ACTION=DNP-DisplayNotProgram,DP-DisplayProgram,H-Inactivate,P-Delete,
ACTION=PF-DeleteForce,U-Undefine
NP    EXITNAME          Seq ModName  Active FastPath ModEPA   LoadPt   ModLen
      CSVDYLPA            1 IGG0DLPA YES    YES      84B9C000 00000000 00000000
      CSVDYLPA            2 CELSDLPA YES    YES      8375A7E8 00000000 00000000
      CSVDYLPA            3 GXLINDLX YES    YES      83447648 00000000 00000000
      CSVDYLPA            4 IKJXDLPA YES    YES      83A1FB88 00000000 00000000
      CSVDYLPA            5 HASJES2L YES    YES      80C1BEC0 00000000 00000000
      CSVDYNEX            1 ISGGCSXT YES    NO       85511040 00000000 00000000
      CSVDYNEX            2 CSVLLDYX YES    NO       91AF91D8 11AF91D8 00000100
      CSVDYNEX            3 CNZM1DYX YES    NO       83800068 00000000 00000000
      CSVDYNEX            4 CSFDYNEX YES    NO       914BD010 114BD010 00000078
      CSVFETCH                       NO     YES      00000000 00000000 00000000
      CSVLLIX1            1 MXILIX1  YES    YES      8F96A000 00000000 00000000
      CSVLLIX2                       NO     YES      00000000 00000000 00000000
      EZAFCCMD                       NO     NO       00000000 00000000 00000000
      EZAFCREP                       NO     NO       00000000 00000000 00000000
      HASP.$EXIT0                    NO     YES      00000000 00000000 00000000
      HZSADDCHECK         1 IARHCADC YES    NO       91598460 11598460 00000678
      HZSADDCHECK         2 IGVHCADC YES    NO       91593178 11593178 000009E0
      HZSADDCHECK         3 ILRHCADC YES    NO       91542840 11542840 000006C0
      HZSADDCHECK         4 IEATCADC YES    NO       9165D7F8 1165D7F8 000001C0
      HZSADDCHECK         5 IEAVTSHI YES    NO       91542088 11542088 000007B8
      HZSADDCHECK         6 ADYHCADC YES    NO       9165D490 1165D490 00000368
      HZSADDCHECK         7 BLWHCADC YES    NO       915981F0 115981F0 00000270
```

Exit name

Implementing module name

Call sequence

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Enqueues (ENQ) Panel

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF ENQ DISPLAY  RS86     RS86      MAJ SYSDSN        LINE 61-85 (157)
COMMAND INPUT ===> enq syszdsn rs*                        SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,D-Display
NP    MINOR                                          Major    Req JobName
      RSPLEX0G.OMVS.CDS01                            SYSDSN   SHR XCFAS
      RSPLEX0G.TCPPARMS                              SYSDSN   SHR PORTMAP
      RSPLEX0G.TCPPARMS                              SYSDSN   SHR TN3270
      RSPLEX0G.TCPPARMS                              SYSDSN   SHR MXITCP
      RSPLEX0G.TCPPARMS                              SYSDSN   SHR SNMPQE
      RSPLEX0G.TCPPARMS                              SYSDSN   SHR TCPIP
      RSPLEX0G.VTAMLIB                               SYSDSN   SHR TCPIP
      RSPLEX0G.VTAMLIB                               SYSDSN   SHR VTAM
      RSPLEX0G.VTAMLIB                               SYSDSN   SHR TN3270
      RSPLEX0G.VTAMLST                               SYSDSN   SHR VTAM
      RSPLEX0G.WLM.CDS01                             SYSDSN   SHR XCFAS
      RSPLEX0G.WLM.CDS02                             SYSDSN   SHR XCFAS
      RSPLEX0G.XCF.CDS01                             SYSDSN   SHR XCFAS
      RSPLEX0G.XCF.CDS02                             SYSDSN   SHR XCFAS
      RSPROD.RS86.HZSPDATA                           SYSDSN   EXC HZSPROC
      RSQA.HSF.PRINT.SIMULATR.LOAD                   SYSDSN   SHR XCFAS
      RSRTE.IBMPORT.HFS                              SYSDSN   SHR OMVS
      RSRTE.JVA6031                                  SYSDSN   SHR ZFS
      RSRTE.JVA6064                                  SYSDSN   SHR ZFS
      RSRTE.JVA6131                                  SYSDSN   SHR ZFS
      RSRTE.JVA6164                                  SYSDSN   SHR ZFS
      RSRTE.JVA7031                                  SYSDSN   SHR ZFS
      RSRTE.JVA7064                                  SYSDSN   SHR ZFS
      RSRTE.JVA7131                                  SYSDSN   SHR ZFS
      RSRTE.JVA7164                                  SYSDSN   SHR ZFS
```

Major name pattern (default SYSDSN)

System name pattern (default local)

Owned and exclusive highlighted

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Enqueue Contention (ENQC) Panel

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF ENQ DISPLAY  RS86     CONTENTION                 LINE 1-3 (3)
COMMAND INPUT ===>                                       SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,D-Display
NP   MINOR                                          Major    Req JobName
     TS5485.XX.DATA                                 SYSDSN   EXC TS5485W
     TS5485.XX.DATA                                 SYSDSN   EXC TS5485W1
     TS5485.XX.DATA                                 SYSDSN   EXC TS5485W2
```

Owner is highlighted

All major names for all systems shown

Request type (EXC or SHR)

Contention found when at least one waiter for the resource

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

System Symbols (SYM) Panel

```
 Display  Filter  View  Print  Options  Search  Help
--------------------------------------------------------------------------------
DSF SYMBOL DISPLAY  RS86     (ALL)                    LINE 1-25 (106)
OMMAND INPUT ===>                                        SCROLL ===> HALF
REFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
CTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,D-Display,DL-DisplayLong
P   SYMBOL          Value      Type      SysName  SysLevel
    &DAY.           22         DYNAMIC   RS86     z/OS 02.03.00 HBB77B0
    &HHMMSS.        183153     DYNAMIC   RS86     z/OS 02.03.00 HBB77B0
    &HLQPLEX.       RSPLEX0G   STATIC    RS86     z/OS 02.03.00 HBB77B0
    &HR.            18         DYNAMIC   RS86     z/OS 02.03.00 HBB77B0
    &HSMHOST.       6          STATIC    RS86     z/OS 02.03.00 HBB77B0
    &HSMPRI.        YES        STATIC    RS86     z/OS 02.03.00 HBB77B0
    &JDAY.          173        DYNAMIC   RS86     z/OS 02.03.00 HBB77B0
    &JOBNAME.       SDSFAUX    DYNAMIC   RS86     z/OS 02.03.00 HBB77B0
    &LDAY.          22         DYNAMIC   RS86     z/OS 02.03.00 HBB77B0
    &LHHMMSS.       143153     DYNAMIC   RS86     z/OS 02.03.00 HBB77B0
    &LHR.           14         DYNAMIC   RS86     z/OS 02.03.00 HBB77B0
    &LJDAY.         173        DYNAMIC   RS86     z/OS 02.03.00 HBB77B0
    &LMIN.          31         DYNAMIC   RS86     z/OS 02.03.00 HBB77B0
    &LMON.          06         DYNAMIC   RS86     z/OS 02.03.00 HBB77B0
    &LSEC.          53         DYNAMIC   RS86     z/OS 02.03.00 HBB77B0
    &LWDAY.         THU        DYNAMIC   RS86     z/OS 02.03.00 HBB77B0
    &LYR2.          17         DYNAMIC   RS86     z/OS 02.03.00 HBB77B0
    &LYR4.          2017       DYNAMIC   RS86     z/OS 02.03.00 HBB77B0
    &LYYMMDD.       170622     DYNAMIC   RS86     z/OS 02.03.00 HBB77B0
    &MIN.           31         DYNAMIC   RS86     z/OS 02.03.00 HBB77B0
    &MON.           06         DYNAMIC   RS86     z/OS 02.03.00 HBB77B0
    &NUMSYS.        2          STATIC    RS86     z/OS 02.03.00 HBB77B0
    &PLEXNAME.      RSPLEX0G   STATIC    RS86     z/OS 02.03.00 HBB77B0
    &RTHLQ.         RSRTE      STATIC    RS86     z/OS 02.03.00 HBB77B0
    &SEC.           53         DYNAMIC   RS86     z/OS 02.03.00 HBB77B0
```

Current value for dynamic symbols

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

SDSF V2R3 USABILITY ENHANCEMENTS

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

SDSF V2R3 Usability Enhancements

- Scrollable main panel
- Reorganized Options pull-down
- Fixed field point-and-shoot
- Show column values (/ action character)

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Scrollable Main Panel

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF MENU V2R3M0    RSPLEX0G  RS86                    LINE 1-26 (49)
COMMAND INPUT ===>                                       SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
NP   NAME     Description                Group    Status
     DA       Active users               Jobs
     I        Input Queue                Jobs
     O        Output Queue               Output
     H        Held output Queue          Output
     ST       Status of jobs             Jobs
     JG       Job groups                 JES
     SYM      System symbols             System
     LOG      System log                 Log
     SR       System requests            Log
     MAS      Members in the MAS         JES
     JC       Job classes                JES
     SE       Scheduling environments    WLM
     RES      WLM resources              WLM
     ENC      Enclaves                   WLM
     PS       Processes                  OMVS
     SYS      System information         System
     ENQ      Enqueues                   System
     DYNX     Dynamic exits              System
     AS       Address space memory       Jobs
     INIT     Initiators                 JES
     PR       Printers                   JES
     PUN      Punches                    JES
     RDR      Readers                    JES
     LINE     Lines                      Network
     NODE     Nodes                      Network
     SO       Spool offload              JES
```

SDSF release, sysplex name, system name

Point-and-shoot to select (by default turquoise)

Classification (group name)

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Scrollable Main Panel

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF MENU V2R3M0    RSPLEX0G  RS86                      LINE 1-26 (49)
COMMAND INPUT ===> sort name                                SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SORT=NAME/A  SYSNAME=*
NP    NAME      Description                Group     Status
      APF       APF data sets              System
      AS        Address space memory       Jobs
      CFC       CF Connections             Sysplex
      CFS       CF Structures              Sysplex
      CK        Health checker             System
      CSR       Common storage remaining   Memory
s     DA        Active users               Jobs
      DEV       Device activity            Devices
      DYNX      Dynamic exits              System
      ENC       Enclaves                   WLM
      ENQ       Enqueues                   System
      FS        File systems               OMVS
      GT        Generic tracker            System
      H         Held output Queue          Output
      I         Input Queue                Jobs
      INIT      Initiators                 JES
      JC        Job classes                JES
      JG        Job groups                 JES
      LINE      Lines                      Network
      LNK       Link list data sets        System
      LOG       System log                 Log
      LPA       Link pack data sets        System
      MAS       Members in the MAS         JES
      NA        Network activity           Network
      NC        Network connections        Network
      NODE      Nodes                      Network
```

Sort by name

Select using action character

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Scrollable Main Panel

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF MENU V2R3M0     RSPLEX0G  RS86                    LINE 1-4 (4)
COMMAND INPUT ===> s l*                                   SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SORT=NAME/A  SYSNAME=*
NP   NAME     Description                Group     Status
     LINE     Lines                      Network
     LNK      Link list data sets        System
     LOG      System log                 Log
     LPA      Link pack data sets        System
```

Fast path select: list all panels that start with “l”

Tip: Fast path select (s command) can be used on any tabular panel and matches fixed field

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Scrollable Main Panel

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF MENU V2R3M0     RSPLEX0G  RS86                      LINE 1-11 (11)
COMMAND INPUT ===> s * jes                                  SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SORT=NAME/A  SYSNAME=*
NP    NAME      Description                Group    Status
      INIT      Initiators                 JES
      JC        Job classes                JES
      JG        Job groups                 JES
      MAS       Members in the MAS         JES
      PR        Printers                   JES
      PROC      Proclib data sets          JES
      PUN       Punches                    JES
      RDR       Readers                    JES
      RM        Resource monitor           JES
      SO        Spool offload              JES
      SP        Spool volumes              JES
```

Matches all panels in "JES" group

Tip: use s (blank) *to reset fast path select*

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Scrollable Main Panel

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF MENU V2R3M0    RSPLEX0G  RS86                      LINE 1-26 (50)
COMMAND INPUT ===> set menu all                              SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SORT=NAME/A  SYSNAME=*
NP   NAME     Description              Group    Status
     APF      APF data sets            System
     AS       Address space memory     Jobs
     CFC      CF Connections           Sysplex
     CFS      CF Structures            Sysplex
     CK       Health checker           System
     CSR      Common storage remaining Memory
     DA       Active users             Jobs
     DEV      Device activity          Devices
     DYNX     Dynamic exits            System
     ENC      Enclaves                 WLM
     ENQ      Enqueues                 System
     FS       File systems             OMVS
     GT       Generic tracker          System
     H        Held output Queue        Output
     I        Input Queue              Jobs
     INIT     Initiators               JES
     JC       Job classes              JES
     JG       Job groups               JES
     JO       Job zero                 JES      JES3 environment only
     LINE     Lines                    Network
     LNK      Link list data sets      System
     LOG      System log               Log
     LPA      Link pack data sets      System
     MAS      Members in the MAS       JES
     NA       Network activity         Network
     NC       Network connections      Network
```

Use set menu command to show/hide available options

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Scrollable Main Panel

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF MENU V2R3M0    RSPLEX0G  RS86                      LINE 1-26 (49)
COMMAND INPUT ===> set menu hide                            SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SORT=NAME/A  SYSNAME=*
NP   NAME     Description              Group    Status
     APF      APF data sets            System
     AS       Address space memory     Jobs
     CFC      CF Connections           Sysplex
     CFS      CF Structures            Sysplex
     CK       Health checker           System
     CSR      Common storage remaining Memory
     DA       Active users             Jobs
     DEV      Device activity          Devices
     DYNX     Dynamic exits            System
     ENC      Enclaves                 WLM
     ENQ      Enqueues                 System
     FS       File systems             OMVS
     GT       Generic tracker          System
     H        Held output Queue        Output
     I        Input Queue              Jobs
     INIT     Initiators               JES
     JC       Job classes              JES
     JG       Job groups               JES
     LINE     Lines                    Network
     LNK      Link list data sets      System
     LOG      System log               Log
     LPA      Link pack data sets      System
     MAS      Members in the MAS       JES
     NA       Network activity         Network
     NC       Network connections      Network
     NODE     Nodes                    Network
```

J0 option not shown since not applicable

Tip: set command settings saved in ISPF profile

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Reorganized Options Pull-Down

```
 Display  Filter  View  Print  Options  Search  Help
-----------------------------  ------------------------------  ---------------
SDSF MENU V2R3M0    RSPLEX0G   | _  1. General...            |  (50)
COMMAND INPUT ===>             |    2. Browse and Print...   | ROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  |    3. Screen...             |
NP   NAME     Description      |    4. Console and Response...|
     APF      APF data sets    ------------------------------
     AS       Address space memory     Jobs
     CK       Health checker           System
     CSR      Common storage remaining Memory
     DA       Active users             Jobs
     DEV      Device activity          Devices
     DYNX     Dynamic exits            System
     ENC      Enclaves                 WLM
     ENQ      Enqueues                 System
     FS       File systems             OMVS
     GT       Generic tracker          System
     H        Held output Queue        Output
```

Options are grouped

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Reorganized Options Pull-Down

```
  Display  Filter  View  Print  Options  Search  Help
-----------------------------  ------------------------------  ---------------
SDSF MENU V2R3M0     RSPLEX0G  | 3  1. General...            |  (49)
COMMAND INPUT ===>             |    2. Browse and Print...   | ROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  |    3. Screen...             |
NP    NAME      Description    |    4. Console and Response...|
      APF       APF data sets  ------------------------------
      AS        Address space memory     Jobs
      CFC       CF Connections           Sysplex
      CFS       CF Structures            Sysplex
      CK        Health checker           System
      CSR       Common storage remaining Memory
      DA        Active users             Jobs
      DEV       Device activity          Devices
      DYNX      Dynamic exits            System
      ENC       Enclaves                 WLM
      ENQ       Enqueues                 System
      FS        File systems             OMVS
      GT        Generic tracker          System
      H         Held output Queue        Output
```

Select a group

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Reorganized Options Pull-Down

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------
SDSF MENU V2R3M0     RSPLE
COMMAND INPUT ===>
PREFIX=*  DEST=(ALL)  OWN
NP    NAME      Description
      APF       APF data se
      AS        Address spa
      CFC       CF Connecti
      CFS       CF Structur
      CK        Health chec
      CSR       Common stor
      DA        Active user
      DEV       Device acti
      DYNX      Dynamic exi
      ENC       Enclaves
      ENQ       Enqueues
      FS        File system
      GT        Generic tra
      H         Held output
      I         Input Queue
```

```
                    Screen Options
Option ===> ______________________________________

1  Set action character display...
2  Set cursor option...
3  Change cursor sort to OFF
4  Set date format...
5  Set display values...
6  Change row numbering to ON
7  Set screen characteristics...
8  Change show menu items to ALL
9  Change fixed field point-and-shoot to OFF

F1=Help  F12=Cancel
```

Toggles show the value to be set

Tip: use the pull-down in case you can't remember the command!

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Fixed Field Point-and-Shoot

- Fixed field on several panels enabled for point-and-shoot (ISPF only)
- Convenient way to navigate to secondary panel
- Control with SET FFPS ON | OFF command

Panel	Target
DA,I,ST,O,H,J0	JDS
JG	Job Dependencies
JC	ST
SE	RES
AS	Job Memory
CK	CKH
SMSG	SMSV
JDS	Output data set
SRCH	ISPF browse

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Fixed Field Point-and-Shoot

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF STATUS DISPLAY ALL CLASSES                          LINE 1-26 (301)
COMMAND INPUT ===>                                          SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
NP   JOBNAME  JobID    Owner    Prty Queue      C  Pos  SAff  ASys Status
     JOBB     JOB03289 TS5485     9 EXECUTION   A        RS86        HOLD
     TS5485W  JOB08801 TS5485     9 EXECUTION   A              RS86
     TS5485W1 JOB08802 TS5485     9 EXECUTION   A              RS86
     TS5485W2 JOB08803 TS5485     9 EXECUTION   A              RS86
     PDSCOT   TSU09005 PDSCOT    15 EXECUTION           RS88  RS88
     TS5485   TSU09006 TS5485    15 EXECUTION           RS86  RS86
     BPXAS    STC08485 BPXAS     15 EXECUTION           RS88  RS88
     VTAM     STC08486 VTAM      15 EXECUTION           RS88  RS88
     HZSPROC  STC08489 HZSPROC   15 EXECUTION           RS88  RS88
     SYSLOG   STC08491 +MASTER+  15 EXECUTION           RS88  RS88
     INIT     STC08492 INIT      15 EXECUTION           RS88  RS88
     INIT     STC08493 INIT      15 EXECUTION           RS88  RS88
     INIT     STC08494 INIT      15 EXECUTION           RS88  RS88
     INIT     STC08495 INIT      15 EXECUTION           RS88  RS88
     INIT     STC08496 INIT      15 EXECUTION           RS88  RS88
     INIT     STC08497 INIT      15 EXECUTION           RS88  RS88
     INIT     STC08498 INIT      15 EXECUTION           RS88  RS88
```

Point-and-Shoot enabled (turquoise)

Put cursor within field and press enter

Tip: change point-and-shoot attributes using CUAATTR *command*

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Fixed Field Point-and-Shoot

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF JOB DATA SET DISPLAY - JOB TS5485W  (JOB08801)    LINE 1-3 (3)
COMMAND INPUT ===>                                     SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
NP    DDNAME   StepName ProcStep DSID Owner    C Dest              Rec-Cnt Page
      JESMSGLG JES2                 2 TS5485   K                        4
      JESJCL   JES2                 3 TS5485   K                       17
      JESYSMSG JES2                 4 TS5485   K                        2
```

Put cursor here and press enter

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF OUTPUT DISPLAY TS5485W  JOB08801  DSID     2 LINE 0       COLUMNS 02- 81
COMMAND INPUT ===>                                            SCROLL ===> HALF
********************************* TOP OF DATA ***********************************
                      J E S 2  J O B  L O G  --  S Y S T E M  R S 8 6  --  N

09.22.11 JOB08801 ---- WEDNESDAY, 14 JUN 2017 ----
09.22.11 JOB08801  IRR010I  USERID TS5485   IS ASSIGNED TO THIS JOB.
09.22.12 JOB08801  ICH70001I TS5485   LAST ACCESS AT 09:19:48 ON WEDNESDAY, JUNE
09.22.12 JOB08801  $HASP373 TS5485W  STARTED - INIT 1    - CLASS A        - SYS
09.22.12 JOB08801 @0010 Reply any character to end.
******************************** BOTTOM OF DATA *********************************
```

Browse data set

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Show Columns Pop-Up

- New Show Columns pop-up
- Access with / (slash) action character (ISPF only)
- Displays all columns and their values in a scrollable pop-up
  - Long values split across multiple lines
  - Multiple column values shown on consecutive rows
- Especially useful on panel with many columns

```
  Display  Filter  View  Print  Options  Search  Help
 ------------------------------------------------------------------------------
SDSF LPA DISPLAY  RS86     (ALL)    EXT    96          LINE 1-25 (32)
COMMAND INPUT ===>                                        SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
ACTION=+-Extend,/-Show,/-Block,%-RunExec,=-Repeat,SB-ISPFBrowse,SE-ISPFEdit
NP   DSNAME                      Seq VolSer BlkSize Extent SMS APF LRecL DSOrg
     SYS1.LPALIB                   1 RZ203A   32760      5 NO  NO      0 PO
     RSRTE.LPALIB                  2 R3P104   32760     10 YES NO      0 PO
```

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Show Columns Pop-Up

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF HEALTH CHECKER DISPLAY  (ALL)                    LINE 48-73 (382)
COMMAND INPUT ===>                                          SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
NP    NAME                          CheckOwner       State              Statu
      DMO_REFUCB                    IBMDMO           ACTIVE(ENABLED)    SUCCE
      DMO_TAPE_LIBRARY_INIT_ERRORS  IBMDMO           ACTIVE(ENABLED)    SUCCE
      GRS_AUTHQLVL_SETTING          IBMGRS           ACTIVE(ENABLED)    EXCEP
      GRS_CONVERT_RESERVES          IBMGRS           INACTIVE(ENABLED)  INACT
      GRS_EXIT_PERFORMANCE          IBMGRS           ACTIVE(ENABLED)    SUCCE
      GRS_GRSQ_SETTING              IBMGRS           ACTIVE(ENABLED)    SUCCE
      GRS_MODE                      IBMGRS           ACTIVE(DISABLED)   GLOBA
/     GRS_RNL_IGNORED_CONV          IBMGRS           ACTIVE(DISABLED)   GLOBA
      GRS_SYNCHRES                  IBMGRS           ACTIVE(ENABLED)    SUCCE
      ICSF_COPROCESSOR_STATE_NEGCHANGE IBMICSF       ACTIVE(ENABLED)    SUCCE
      ICSF_DEPRECATED_SERV_WARNINGS IBMICSF          ACTIVE(ENABLED)    SUCCE
      ICSF_KEY_EXPIRATION           IBMICSF          ACTIVE(ENABLED)    SUCCE
      ICSF_MASTER_KEY_CONSISTENCY   IBMICSF          ACTIVE(ENABLED)    SUCCE
```

Enter / action character

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Show Columns Pop-Up

```
                                Show Columns                Row 15 to 36 of 39
Command ===>

Sort column with F5. Use Locate to position to column.

_  All values              _  Column width

Column                  ##  Value
WTOType                 01  INFO
WTONum                  01  0
NumCat                  01  0
ExitName                01  ISGHCADC
ModName                 01  ISGHCGRS
MsgName                 01  ISGHCMSG
UserDate                01  20050315
DefDate                 01  20050315
Debug                   01  OFF
Start-Date-Time         01  ****** N/A ******
Interval                01  ONETIME
NextSch-Date-Time       01  ****** N/A ******
Log-Date-Time           01  ****** N/A ******
Deleted-Date-Time       01  ****** N/A ******
ProcName                01  HZSPROC
TaskId                  01  HZSPROC
Reason                  01  If an entry in the RESERVE Conversion RNL is super
                            seded by an entry in the SYSTEMS Exclusion RNL, it
                            will be ignored.
ParmLen                 01  0
SysLevel                01  z/OS 02.03.00 HBB77B0
SysName                 01  RS86
```

Only non-null values are shown (option not selected)

Long values wrap

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Show Columns Pop-Up

```
                                Show Columns                Row 18 to 39 of 48
Command ===> l reason

Sort column with F5. Use Locate to position to column.

_  All values          _  Column width

Column                 ##  Value
NumCat                 01  5
Category               01  A
Category               02  B
Category               03  C
Category               04  D
Category               05  E
Category2              01  B
Category3              01  C
Category4              01  D
ExitName               01  ISGHCADC
ModName                01  ISGHCGRS
MsgName                01  ISGHCMSG
UserDate               01  20050315
DefDate                01  20050315
Debug                  01  OFF
Start-Date-Time        01  ****** N/A ******
Interval               01  ONETIME
NextSch-Date-Time      01  ****** N/A ******
Log-Date-Time          01  ****** N/A ******
Deleted-Date-Time      01  ****** N/A ******
ProcName               01  HZSPROC
TaskId                 01  HZSPROC
```

Use Locate command to position to a column

Column has multiple values

Value number

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Show Columns Pop-Up

```
                                Show Columns                Row 40 to 48 of 48
Command ===> _____________________________________________________________________

Sort column with F5. Use Locate to position to column.

_  All values          _  Column width

Column                 ##  Value
Reason                 01  If an entry in the RESERVE Conversion RNL is super
                           seded by an entry in the SYSTEMS Exclusion RNL, it
                           will be ignored.
ParmLen                01  0
SysLevel               01  z/OS 02.03.00 HBB77B0
SysName                01  RS86
EInterval              01  SYSTEM
Verbose                01  NO
LogStream              01  HZS.HEALTH.CKR.LOG.RS86
****************************** Bottom of data ******************************
```

Panel positioned to column

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Show Columns Pop-Up

```
                                Show Columns                    Row 7 to 27 of 48
Command ===> _____________________________________________________________________

Sort column with F5. Use Locate to position to column.

_  All values          _  Column width

Column                 ##  Value
Category3              01  C
Category4              01  D
CheckOwner             01  IBMGRS
Debug                  01  OFF
DefDate                01  20050315
Deleted-Date-Time      01  ****** N/A ******
Diag1                  01  00000000
Diag2                  01  00000000
ExcCount               01  0
ExitName               01  ISGHCADC
EInterval              01  SYSTEM
Fail                   01  0
Global                 01  YES
GlobalSys              01  RS88
Interval               01  ONETIME
Log-Date-Time          01  ****** N/A ******
LogStream              01  HZS.HEALTH.CKR.LOG.RS86
ModifiedBy             01  MODIFY COMMAND
ModName                01  ISGHCGRS
MsgName                01  ISGHCMSG
NextSch-Date-Time      01  ****** N/A ******
 F1=Help       F5=SortCol     F7=Backward    F8=Forward    F12=Cancel
```

Press F5 to toggle sort by column (heading underlined when sorted)

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

SDSF V2R3 NEW TABULAR PANELS

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

New Tabular Panels and Commands

- CF Connections (CFC)
- CF Structures (CFS)
- Device Activity (DEV)
- File Systems (FS)
- Generic Tracker (GT)
- Network Activity (NA)
- SMS Groups (SMSG)
- SMS Volumes (SMSV)
- Subsystems (SSI)
- Common Storage Remaining (CSR)
- Virtual Storage Map (VMAP)

- Job modules (CDEs – JC action)
- Job Tasks (TCBs – JT action)

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Device Activity Panel (DEV)

- DEV Command
  - Default shows all online DASD devices
  - Use DEV ACT to show only active devices
  - Sysplex wide using SYSNAME pattern
- Actions
  - Display device
  - Vary only
  - Vary offline

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Device Activity Panel (DEV)

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF DEVICE ACTIVITY  RS86     (ALL)                    LINE 1-21 (186)
COMMAND INPUT ===>                                        SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,D-Display,DA-DisplayAlloc,
ACTION=DI-DisplayIPL,DSP-DevServPath,DSQD-DevServQDasd,DSQP-DevServQPath,
ACTION=DSS-DevServSMS,V-VaryOn,VF-VaryOff
NP    VOLSER Unit StorGrp  IOIntens QIntens SSCH     Response IOSQ     Connect
      DMPG00 649C DMPG1       0.000   0.000   0.000    0.000   0.000    0.000
      D1XF00 D190             0.306   0.025   0.399    0.768   0.000    0.704
      D1XF01 D191             0.000   0.000   0.000    0.000   0.000    0.000
      D1XF02 D419             0.306   0.025   0.399    0.768   0.000    0.704
      D1XF03 D5B6             0.331   0.051   0.399    0.832   0.000    0.704
      HCP100 6132             0.000   0.000   0.000    0.000   0.000    0.000
      HFPG00 647E HFSG1       0.050   0.025   0.199    0.256   0.000    0.128
      JSPG00 6372             0.536   0.076   0.798    0.672   0.000    0.576
      JSPG50 6227             0.000   0.000   0.000    0.000   0.000    0.000
      JSPG51 6380             0.000   0.000   0.000    0.000   0.000    0.000
      JSPG60 6327             0.000   0.000   0.000    0.000   0.000    0.000
      JSPG70 632A             0.000   0.000   0.000    0.000   0.000    0.000
      JSPG71 6429             0.306   0.051   0.399    0.768   0.000    0.640
      JSPG80 632B             0.000   0.000   0.000    0.000   0.000    0.000
      J3PG00 64C2             0.000   0.000   0.000    0.000   0.000    0.000
      J3PG50 60B9             0.000   0.000   0.000    0.000   0.000    0.000
      J3PG51 6381             0.000   0.000   0.000    0.000   0.000    0.000
```

Active devices are highlighted

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Device Activity Panel (DEV)

```
                                Show Columns                Row 1 to 16 of 16
Command ===> _____________________________________________________________________

Sort column with F5. Use Locate to position to column.

/  All values          _  Column width

Column                 ##  Value
VOLSER                 01  D1XF00
Unit                   01  D190
StorGrp                01
IOIntens               01  0.306
QIntens                01  0.025
SSCH                   01  0.399
Response               01  0.768
IOSQ                   01  0.000
Connect                01  0.704
Disc                   01  0.000
Pending                01  0.064
Util%                  01  0.02
Resv%                  01  0.00
PAVNum                 01  1
SysName                01  RS86
SysLevel               01  z/OS 02.03.00 HBB77B0
****************************** Bottom of data ******************************
```

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Network Activity Panel (NA)

- NA Command
  - Shows all network (TCP/IP) activity in system (all stacks)
  - Sysplex wide using SYSNAME pattern
- Actions
  - Display connection information

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Network Activity Panel (NA)

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF NETWORK ACTIVITY RS86    (ALL)                 LINE 1-20 (42)
COMMAND INPUT ===>                                    SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,DA-DisplayAll,
ACTION=DAL-DisplayAllFmtL,DB-DisplayByteInfo,DBL-DisplayByteInfoFmtL,
ACTION=DN-DisplayConn,DNL-DisplayConnFmtL,DR-DisplayRoute,
ACTION=DRD-DisplayRouteDetail,DRDL-DisplayRouteDetailFmtL,DRL-DisplayRouteFmtL
NP    JOBNAME  Status   IPAddr                    Port  InBufSz OutBufSz EXCP-Cnt
      BPXOINIT LISTEN   0.0.0.0                   10007       0        0        0
      CFZCIM   LISTEN   ::0                        5988       0        0        0
      FTPD1    LISTEN   ::0                          21       0        0        0
      INETD1   LISTEN   10.253.253.242              512       0        0        0
      INETD1   LISTEN   0.0.0.0                     513       0        0        0
      INETD1   LISTEN   0.0.0.0                    1023       0        0        0
      IZUSVR1  LISTEN   ::0                       11443       0        0        0
      MXITCP   LISTEN   ::0                        8361       0        0        0
      OSNMPD   LISTEN   ::0                        1026       0        0        0
      OSNMPD   UDP      ::FFFF:172.16.37.132      50017       0        0   349776
      PORTMAP  UDP      0.0.0.0                       0       0        0        0
      PORTMAP  LISTEN   0.0.0.0                     111       0        0        0
      SNMPQE   UDP      0.0.0.0                       0       0        0        0
      SNMPQE   UDP      0.0.0.0                       0       0        0        0
      SNMPQE   LISTEN   0.0.0.0                    1024       0        0        0
      SSHD3    LISTEN   0.0.0.0                      22       0        0        0
      SSHD3    LISTEN   ::0                          22       0        0        0
      SYSLOGD  UDP      0.0.0.0                       0       0        0        0
      TN3270   LISTEN   ::0                          23       0        0        0
      TN3270   ESTABLSH ::FFFF:10.5.30.68         51035   65536    65536       15
```

Rows not in listen status highlighted

Tip: header shows system you are logged on to and systems being shown (sysname pattern)

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Network Activity Panel (NA)

```
                                Show Columns                Row 1 to 21 of 21
Command ===> ____________________________________________________________________

Sort column with F5. Use Locate to position to column.

/  All values        _  Column width

Column               ##  Value
JOBNAME              01  OSNMPD
Status               01  UDP
IPAddr               01  ::FFFF:172.16.37.132
Port                 01  50017
InBufSz              01  0
OutBufSz             01  0
EXCP-Cnt             01  349776
BytesIn              01  10011150
BytesOut             01  18193506
Appl                 01
LUName               01
Client               01
ApplData             01
Stack                01  TCPIP
ASID                 01  117
ASIDX                01  0075
ResourceID           01  0000002D
Start-Time           01  06/12/2017 08:39:40
Last-Time            01  06/19/2017 15:55:39
SysName              01  RS86
SysLevel             01  z/OS 02.03.00 HBB77B0
****************************** Bottom of data ******************************
```

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

File Systems Panel (FS)

- FS Command
  - Shows all OMVS file systems used by the system
  - Sysplex wide using SYSNAME pattern
- Actions
  - Display file system information

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

File Systems Panel (FS)

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF FILE SYSTEM DISPLAY  RS86     (ALL)                LINE 1-24 (80)
COMMAND INPUT ===>                                        SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,D-Display,DA-DisplayAll,
ACTION=DE-DisplayException
NP    DEVICE Path                                  Type      Mode Owner    Name
      1      /                                     HFS       RDWR RS88     RSPLEX0
      8      /proj                                 AUTOMNT   RDWR RS88     *AMD/pr
      16     /rsetc/ssh                            ZFS       READ RS88     RSRTE.S
      9      /rsopt                                AUTOMNT   RDWR RS88     *AMD/rs
      10     /rsusr                                AUTOMNT   RDWR RS88     *AMD/rs
      41     /rsusr/ibmport                        HFS       READ RS86     RSRTE.I
      17     /rsusr/java                           ZFS       READ RS88     RSRTE.M
      18     /rsusr/java/IBM/J6.0                  ZFS       READ RS88     RSRTE.J
      19     /rsusr/java/IBM/J6.0_64               ZFS       READ RS88     RSRTE.J
      20     /rsusr/java/IBM/J6.01                 ZFS       READ RS88     RSRTE.J
      21     /rsusr/java/IBM/J6.01_64              ZFS       READ RS88     RSRTE.J
      22     /rsusr/java/IBM/J7.0                  ZFS       READ RS88     RSRTE.J
      23     /rsusr/java/IBM/J7.0_64               ZFS       READ RS88     RSRTE.J
      24     /rsusr/java/IBM/J7.1                  ZFS       READ RS88     RSRTE.J
      25     /rsusr/java/IBM/J7.1_64               ZFS       READ RS88     RSRTE.J
      26     /rsusr/java/IBM/J8.0                  ZFS       READ RS88     RSRTE.J
      39     /rsusr/java/IBM/J8.0_64               ZFS       READ RS86     RSRTE.J
      11     /u                                    AUTOMNT   RDWR RS88     *AMD/u
      35     /u/cfzsrv                             HFS       RDWR RS86     RSHFSDE
```

RDWR file systems are highlighted

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

File Systems Panel (FS)

```
                                Show Columns                Row 1 to 19 of 19
Command ===> _____________________________________________________________________

Sort column with F5. Use Locate to position to column.

/  All values          _  Column width

Column                ##  Value
DEVICE                01  39
Path                  01  /rsusr/java/IBM/J8.0_64
Type                  01  ZFS
Mode                  01  READ
Owner                 01  RS86
Name                  01  RSRTE.JVA80640
Status                01  ACTIVE
StatNum               01  7
AutoMove              01  YES
Client                01  NO
Latch                 01  45
Mount-Time-Date       01  06/12/2017 14:04:40
MountParm             01
QSysName              01
QJobName              01
QPID                  01  0
DevNum                01  39
SysName               01  RS86
SysLevel              01  z/OS 02.03.00 HBB77B0
****************************** Bottom of data ******************************
```

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Subsystem Panel (SSI)

- SSI Command
  - Shows all subsystems defined to system
  - Sysplex wide using SYSNAME pattern
- Actions
  - Display subsystem
  - Display opdata
  - Activate subsystem
  - Deactivate subsystem
  - Delete subsystem

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Subsystem Panel (SSI)

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF SUBSYSTEM DISPLAY  RS86     (ALL)                LINE 1-24 (30)
COMMAND INPUT ===>                                     SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,A-Activate,D-Display,
ACTION=DA-DisplayAll,DO-DisplayOpdata,H-Deactivate,PF-DeleteForce
NP    NAME NameX    Type     Status   Primary Dynamic SetSSI EventRtn SSCT     S
      AXR  C1E7D940          ACTIVE   NO      YES     NO     NO      00C32CA8 0
      DFRM C4C6D9D4          INACTIVE NO      YES     NO     NO      00C32B88 0
      HASP C8C1E2D7 JES2     ACTIVE   NO      YES     NO     NO      00C32D08 0
      JESD D1C5E2C4          INACTIVE NO      YES     NO     NO      00C329A8 0
      JESS D1C5E2E2          INACTIVE NO      YES     NO     NO      00C32948 0
      JES2 D1C5E2F2 JES2     ACTIVE   YES     YES     NO     NO      00C328E8 0
      LOGR D3D6C7D9          ACTIVE   NO      YES     NO     NO      00C32BE8 0
      MPFX D4D7C6E7          INACTIVE NO      YES     NO     NO      00C32C48 0
      MSTR D4E2E3D9          ACTIVE   NO      NO      NO     NO      00C32828 0
      RACF D9C1C3C6          ACTIVE   NO      YES     NO     NO      00C32A08 0
      RRS  D9D9E240          INACTIVE NO      YES     NO     NO      00C32B28 0
      SMS  E2D4E240          ACTIVE   NO      YES     NO     NO      00C32888 0
      TNF  E3D5C640          INACTIVE NO      YES     NO     NO      00C32A68 0
      VMCF E5D4C3C6          INACTIVE NO      YES     NO     NO      00C32AC8 0
      XDC. E7C4C34B          ACTIVE   NO      NO      NO     NO      00C27F00 0
```

Active subsystems are highlighted

Subsystem names may contain hex characters

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Subsystem Panel (SSI)

```
                                Show Columns                Row 1 to 24 of 24
Command ===> _____________________________________________________________________

Sort column with F5. Use Locate to position to column.

/  All values          _  Column width

Column                 ##  Value
NAME                   01  XDC.
NameX                  01  E7C4C34B
Type                   01
Status                 01  ACTIVE
Primary                01  NO
Dynamic                01  NO
SetSSI                 01  NO
EventRtn               01  NO
SSCT                   01  00C27F00
SSCTSUSE               01  00FAB5E8
SSCTSUS2               01  00000000
SSVT                   01  00C27278
FC04                   01  NO
FC08                   01  YES
FC09                   01  NO
FC10                   01  NO
FC14                   01  NO
FC50                   01  YES
FC54                   01  NO
FC58                   01  NO
FC78                   01  NO
Seq                    01  15
SysName                01  RS86
SysLevel               01  z/OS 02.03.00 HBB77B0
****************************** Bottom of data ******************************
```

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

SMS Storage Groups Panel (SMSG)

- SMSG Command
  - Shows all SMS storage groups defined to system
  - Sysplex wide using SYSNAME pattern
- Actions
  - Display storage group
  - Enable, Disable, and Quiesce storage group
  - List all volumes in storage group
    - Accesses SMSV panel

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

SMS Storage Groups Panel (SMSG)

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF STORAGE GROUP DISPLAY  RS86     (ALL)              LINE 1-18 (18)
COMMAND INPUT ===>                                        SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,D-Display,DL-DisplayList,
ACTION=L-ListVol,VD-VaryDisable,VDN-VaryDisableNew,VE-VaryEnable,
ACTION=VQ-VaryQuiesce,VQN-VaryQuiesceNew,VS-VarySpace
NP    NAME     Type            Status            TotalMB Used% FreeMB LargestFre
      DB2G1    POOL            DISABLED                0  0.00      0
      DMPG1    POOL            ENABLED              2707 84.44    421
      EMCCXSG  POOL            ENABLED                 0  0.00      0
      HFSG1    POOL            ENABLED              2707 74.54    689
      RCKG1    POOL            ENABLED              2707 26.63   1986          1
      SYSG1    POOL            ENABLED              2707 26.30   1995          1
      SYSG2    POOL            ENABLED              2707 88.80    303
      TSOG1    POOL            ENABLED              2707 97.56     66
      WRKG1    POOL            ENABLED              2707  0.77   2686          2
      DB2G1    POOL            ENABLED                 0  0.00      0
      DMPG1    POOL            ENABLED              2707 84.44    421
      EMCCXSG  POOL            ENABLED                 0  0.00      0
      HFSG1    POOL            ENABLED              2707 74.54    689
      RCKG1    POOL            ENABLED              2707 26.63   1986          1
      SYSG1    POOL            ENABLED              2707 26.30   1995          1
      SYSG2    POOL            ENABLED              2707 88.80    303
      TSOG1    POOL            ENABLED              2707 97.56     66
      WRKG1    POOL            ENABLED              2707  0.77   2686          2
```

Groups with non-zero total storage are highlighed

Tip: use RGEN X *to generate sample REXX exec*

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

SMS Storage Groups Panel (SMSG)

```
                                Show Columns                Row 1 to 18 of 18
Command ===> ____________________________________________________________________

Sort column with F5. Use Locate to position to column.

/  All values        _  Column width

Column               ##  Value
NAME                 01  DMPG1
Type                 01  POOL
Status               01  ENABLED
TotalMB              01  2707
Used%                01  84.44
FreeMB               01  421
LargestFreeMB        01  420
Volume               01  2
Online               01  1
Offline              01  1
Enabled              01  1
Disabled             01  0
Quiesced             01  0
LastUser             01  PDWARR
Change-Date-Time     01  10/10/2003 16:16:00
Description          01  STORAGE GROUP FOR DUMP DATASETS. SVCDUMP.
SysName              01  RS86
SysLevel             01  z/OS 02.03.00 HBB77B0
****************************** Bottom of data ******************************
```

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

SMS Storage Volumes Panel (SMSV)

- SMSV Command
  - Shows all volumes defined to SMS
    - Online and offline to MVS
  - Sysplex wide using SYSNAME pattern
- Actions
  - Display volume
  - Enable, Disable, and Quiesce volume
  - List all volumes in storage group

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

SMS Storage Volumes Panel (SMSV)

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF SMS VOLUME DISPLAY  RS86     (ALL)                LINE 1-23 (34)
COMMAND INPUT ===>                                       SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,D-Display,DC-DisplayCFVol,
ACTION=DS-DisplaySG,DSL-DisplaySGList,VD-VaryDisable,VDN-VaryDisableNew,
ACTION=VE-VaryEnable,VQ-VaryQuiesce,VQN-VaryQuiesceNew,VS-VarySpace
NP    VOLSER Status           TotalMB Used% FreeMB LargestFreeMB Device-Status
      DBPG00 DISABLED               0  0.00      0             0 OFFLINE
      DBXX00 ENABLED                0  0.00      0             0 OFFLINE
      DMPG00 ENABLED             2707 84.44    421           420 ONLINE
      DMXX00 ENABLED                0  0.00      0             0 OFFLINE
      ECXX00 ENABLED                0  0.00      0             0 OFFLINE
      HFPG00 ENABLED             2707 74.54    689           689 ONLINE
      HFXX00 ENABLED                0  0.00      0             0 OFFLINE
      R1PG00 ENABLED             2707 26.63   1986          1136 ONLINE
      R1XX00 ENABLED                0  0.00      0             0 OFFLINE
      S1PG00 ENABLED             2707 26.30   1995          1618 ONLINE
      S1XX00 ENABLED                0  0.00      0             0 OFFLINE
      S2PG00 ENABLED             2707 88.80    303            16 ONLINE
      S2XX00 ENABLED                0  0.00      0             0 OFFLINE
      TSPG00 ENABLED             2707 97.56     66            38 ONLINE
      TSXX00 ENABLED                0  0.00      0             0 OFFLINE
      WKPG00 ENABLED             2707  0.77   2686          2685 ONLINE
      WKXX00 ENABLED                0  0.00      0             0 OFFLINE
      DBPG00 ENABLED                0  0.00      0             0 OFFLINE
      DBXX00 ENABLED                0  0.00      0             0 OFFLINE
```

Volumes with non-zero total storage are highlighed

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

SMS Storage Volumes Panel (SMSV)

```
                                Show Columns                Row 1 to 12 of 12
Command ===> _____________________________________________________________________

Sort column with F5. Use Locate to position to column.

/  All values          _  Column width

Column                ##  Value
VOLSER                01  DMPG00
Status                01  ENABLED
TotalMB               01  2707
Used%                 01  84.44
FreeMB                01  421
LargestFreeMB         01  420
Device-Status         01  ONLINE
Unit                  01  649C
StorGrp               01  DMPG1
LastUser              01  PDILYA
SysName               01  RS86
SysLevel              01  z/OS 02.03.00 HBB77B0
****************************** Bottom of data ******************************
```

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

SMS Groups to Volumes

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF STORAGE GROUP DISPLAY  RS86     (ALL)              LINE 1-18 (18)
COMMAND INPUT ===>                                        SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,D-Display,DL-DisplayList,
ACTION=L-ListVol,VD-VaryDisable,VDN-VaryDisableNew,VE-VaryEnable,
ACTION=VQ-VaryQuiesce,VQN-VaryQuiesceNew,VS-VarySpace
NP    NAME     Type            Status            TotalMB Used% FreeMB LargestFre
      DB2G1    POOL            DISABLED                0  0.00      0
1     DMPG1    POOL            ENABLED              2707 89.39    287
      EMCCXSG  POOL            ENABLED                 0  0.00      0
      HFSG1    POOL            ENABLED              2707 74.58    688
      RCKG1    POOL            ENABLED              2707 26.63   1986          1
```

Volumes in selected group

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF SMS VOLUME DISPLAY  RS86     (ALL)              LINE 1-2 (2)
COMMAND INPUT ===>                                        SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,D-Display,DC-DisplayCFVol,
ACTION=DS-DisplaySG,DSL-DisplaySGList,VD-VaryDisable,VDN-VaryDisableNew,
ACTION=VE-VaryEnable,VQ-VaryQuiesce,VQN-VaryQuiesceNew,VS-VarySpace
NP    VOLSER Status           TotalMB Used% FreeMB LargestFreeMB Device-Status
      DMPG00 ENABLED            2707 89.39    287           287 ONLINE
      DMXX00 ENABLED               0  0.00      0             0 OFFLINE
```

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

CF Connections Panel (CFC)

- CFC Command
  - Shows information about coupling facility structure connections in the sysplex
- Actions
  - Display connection
  - Display structure

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

CF Connections Panel (CFC)

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF CF CONNECTION DISPLAY  RS86                        LINE 1-8 (8)
COMMAND INPUT ===>                                        SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,D-Display,DA-DisplayAll,
ACTION=DS-DisplayStructure
NP   CONNAME          ConState          StrName          StrType  Status
     ISGLOCK#RS86     ACTIVE            ISGLOCK          LOCK     ALLOCATED
     IXGLOGR_RS86     ACTIVE            OPERLOG          LIST     ALLOCATED
     SIGPATH_010000FA ACTIVE            IXCLIST1         LIST     ALLOCATED
     SIGPATH_010000FA ACTIVE            IXCLIST2         LIST     ALLOCATED
     ISGLOCK#RS88     ACTIVE            ISGLOCK          LOCK     ALLOCATED
     IXGLOGR_RS88     ACTIVE            OPERLOG          LIST     ALLOCATED
     SIGPATH_020000FB ACTIVE            IXCLIST1         LIST     ALLOCATED
     SIGPATH_020000FB ACTIVE            IXCLIST2         LIST     ALLOCATED
```

Rows with active connections are highlighted

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

CF Connections Panel (CFC)

```
                                Show Columns                Row 1 to 22 of 24
Command ===> _____________________________________________________________________

Sort column with F5. Use Locate to position to column.

/ All values        _ Column width

Column              ##  Value
CONNAME             01  ISGLOCK#RS86
ConState            01  ACTIVE
StrName             01  ISGLOCK
StrType             01  LOCK
Status              01  ALLOCATED
JobName             01  GRS
ASID                01  7
ASIDX               01  0007
ConDisp             01  DELETE
ID                  01  01
Version             01  00010089
CFLevel             01  0
ConData             01  0000000000000000
DiscData            01  0000000000000000
Policy              01  CFRMPOL
CFName              01  CF85
NumCF               01  1
ConTokenX           01  C9E7C3D3D6F0F0F27EF9F20000010089
ConLevel            01  0000000000000000
SToken              01  0000001C00000001
ConFlags            01  82008005
SysNum              01  1
```

```
                                Show Columns                Row 23 to 24 of 24
Command ===> _____________________________________________________________________

Sort column with F5. Use Locate to position to column.

/ All values        _ Column width

Column              ##  Value
SysSeq              01  250
SysName             01  RS86
***************************** Bottom of data ******************************
```

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

CF Structures Panel (CFS)

- CFS Command
  - Shows information about coupling facility structures
- Actions
  - Display structure

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

CF Structures Panel (CFS)

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------
SDSF CF STRUCTURE DISPLAY  RS86                        LINE 13-24 (24)
COMMAND INPUT ===>                                       SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,D-Display,DA-DisplayAll
NP    STRNAME          Type     Status          Disp     Size     Size%  Conn
      RRS_ARCHIVE               NOTALLOCATED                   0   0.00     0
      RRS_DELAYED_UR            NOTALLOCATED                   0   0.00     0
      RRS_MAIN_UR               NOTALLOCATED                   0   0.00     0
      RRS_RESTART               NOTALLOCATED                   0   0.00     0
      RRS_RM_DATA               NOTALLOCATED                   0   0.00     0
      SCLM_CACHE                NOTALLOCATED                   0   0.00     0
      SYSIGGCAS_ECS             NOTALLOCATED                   0   0.00     0
      VSAM1_CACHE               NOTALLOCATED                   0   0.00     0
      ISGLOCK          LOCK     ALLOCATED       DELETE      9216 100.00     2
      IXCLIST1         LIST     ALLOCATED       DELETE     10240 100.00     2
      IXCLIST2         LIST     ALLOCATED       DELETE     10240 100.00     2
      OPERLOG          LIST     ALLOCATED       DELETE     24576 100.00     2
```

Structures with non-zero users are highlighted

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

CF Structures Panel (CFS)

```
                                Show Columns                Row 1 to 22 of 31
Command ===> _____________________________________________________________________

Sort column with F5. Use Locate to position to column.

/  All values        _  Column width

Column              ##  Value
STRNAME             01  ISGLOCK
Type                01  LOCK
Status              01  ALLOCATED
Disp                01  DELETE
Size                01  9216
Size%               01  100.00
Conn                01  2
Lists               01  0
Entry%              01  0.00
Elem%               01  0.00
EntryInUse          01  0
EntryTotal          01  0
EntryChange         01  0
EntryChange%        01  0.00
ElemInUse           01  0
ElemTotal           01  0
ElemChange          01  0
ElemChange%         01  0.00
Locks               01  1048576
Alloc-Date-Time     01  06/20/2017 15:56:31
Duplex              01  DISABLED
AutoAlt             01  NO
```

```
                                Show Columns                Row 23 to 31 of 31
Command ===> _____________________________________________________________________

Sort column with F5. Use Locate to position to column.

/  All values        _  Column width

Column              ##  Value
Realloc             01  YES
Full%               01  80
Rebuild%            01  0
PolSize             01  9216
InitSize            01  9216
MinSize             01  0
MaxSize             01  9216
Policy              01  CFRMPOL
CFName              01  CF85
****************************** Bottom of data ******************************
```

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Virtual Storage Map Panel (VMAP)

- VMAP Command
  - Shows map of virtual storage for system by area name
  - Displays size and allocation of each area

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Virtual Storage Map Panel (VMAP)

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF VMAP DISPLAY  RS86      (ALL)                      LINE 1-25 (48)
COMMAND INPUT ===> snap se                                  SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat
NP    NAME              Start-Address     End-Address       Size   Alloc Alloc% H
      HV-SHARED         00000200_00000000 0001FFFF_FFFFFFFF   510T   403M   0.00
      HV-COMMON         000001EF_80000000 000001FF_FFFFFFFF    66G  7008M  10.36
      HV-PRIVATE        00000048_00000000 000001EF_7FFFFFFF  1694G      0   0.00
      LOCALSYSAREA      00000008_00000000 00000047_FFFFFFFF   256G      0   0.00
      RESERVED          00000000_80000000 00000007_FFFFFFFF    30G      0   0.00
      EXTENDED-PRIVATE  00000000_11B00000 00000000_7FFFFFFF  1765M      0   0.00
      EXTENDED-CSA      00000000_07019000 00000000_11AFFFFF   171M    37M  21.41 3
      EXTENDED-MLPA     00000000_00000000 00000000_00000000      0      0   0.00
      EXTENDED-FLPA     00000000_07016000 00000000_07018FFF  12288      0   0.00
      EXTENDED-PLPA     00000000_03385000 00000000_07015FFF 62020K      0   0.00
      EXTENDED-SQA      00000000_01D09000 00000000_03384FFF 23024K    21M  93.37 2
      EXTENDED-R/W-NUC  00000000_01CBC000 00000000_01D08FFF 315392      0   0.00
      EXTENDED-R/O-NUC  00000000_01000000 00000000_01CBBCEF 13039K      0   0.00
      R/O-NUC           00000000_00FDF000 00000000_00FFFFFF 135168      0   0.00
      R/W-NUC           00000000_00FD3000 00000000_00FDE3BF  46016      0   0.00
      SQA               00000000_00E40000 00000000_00FD2FFF  1612K   328K  20.34 9
      PLPA              00000000_00C45000 00000000_00E3FFFF  2028K      0   0.00
      FLPA              00000000_00000000 00000000_00000000      0      0   0.00
      MLPA              00000000_00000000 00000000_00000000      0      0   0.00
      CSA               00000000_00900000 00000000_00C44FFF  3348K   511K  15.25 5
      PRIVATE           00000000_00006000 00000000_008FFFFF  9192K      0   0.00
      V=R               00000000_00000000 00000000_00000000      0      0   0.00
      SYSTEM            00000000_00002000 00000000_00005FFF  16384      0   0.00
      PSA               00000000_00000000 00000000_00001FFF   8192      0   0.00
```

Tip: use snap *command to capture table*

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Virtual Storage Map Panel (VMAP)

```
SDSF EDIT     *SNAP                                          Columns 00001 00072
Command ===> create                                           Scroll ===> HALF
****** ********************************* Top of Data *********************************
c99999 NAME                Start-Address     End-Address       Size     Alloc    A
000002 HV-SHARED           00000200_00000000 0001FFFF_FFFFFFFF     510T  412672K
000003 HV-COMMON           000001EF_80000000 000001FF_FFFFFFFF      66G    7008M
000004 HV-PRIVATE          00000048_00000000 000001EF_7FFFFFFF    1694G        0
000005 LOCALSYSAREA        00000008_00000000 00000047_FFFFFFFF     256G        0
000006 RESERVED            00000000_80000000 00000007_FFFFFFFF      30G        0
000007 EXTENDED-PRIVATE    00000000_11B00000 00000000_7FFFFFFF 1807360K        0
000008 EXTENDED-CSA        00000000_07019000 00000000_11AFFFFF  175004K 38372144
000009 EXTENDED-MLPA       00000000_00000000 00000000_00000000       0        0
000010 EXTENDED-FLPA       00000000_07016000 00000000_07018FFF   12288        0
000011 EXTENDED-PLPA       00000000_03385000 00000000_07015FFF 63508480        0
000012 EXTENDED-SQA        00000000_01D09000 00000000_03384FFF 23576576 21968672
000013 EXTENDED-R/W-NUC    00000000_01CBC000 00000000_01D08FFF  315392        0
000014 EXTENDED-R/O-NUC    00000000_01000000 00000000_01CBBCEF 13352176        0
000015 R/O-NUC             00000000_00FDF000 00000000_00FFFFFF  135168        0
000016 R/W-NUC             00000000_00FD3000 00000000_00FDE3BF   46016        0
000017 SQA                 00000000_00E40000 00000000_00FD2FFF 1650688   335768
000018 PLPA                00000000_00C45000 00000000_00E3FFFF 2076672        0
000019 FLPA                00000000_00000000 00000000_00000000       0        0
000020 MLPA                00000000_00000000 00000000_00000000       0        0
000021 CSA                 00000000_00900000 00000000_00C44FFF 3428352   522992
000022 PRIVATE             00000000_00006000 00000000_008FFFFF 9412608        0
000023 V=R                 00000000_00000000 00000000_00000000       0        0
000024 SYSTEM              00000000_00002000 00000000_00005FFF   16384        0
000025 PSA                 00000000_00000000 00000000_00001FFF    8192        0
000026 HV-SHARED           00000200_00000000 00020000_00000000     510T        0
000027 HV-COMMON           000001EF_80000000 000001FF_FFFFFFFF      66G    7007M
000028 HV-PRIVATE          00000048_00000000 000001EF_7FFFFFFF    1694G        0
000029 LOCALSYSAREA        00000008_00000000 00000047_FFFFFFFF     256G        0
```

Tip: use edit to copy the table to a data set

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Virtual Storage Map Panel (VMAP)

```
                                Show Columns                Row 1 to 11 of 11
Command ===> _____________________________________________________________

Sort column with F5. Use Locate to position to column.

/  All values        _  Column width

Column               ##  Value
NAME                 01  HV-SHARED
Start-Address        01  00000200_00000000
End-Address          01  0001FFFF_FFFFFFFF
Size                 01  510T
Alloc                01  422576128
Alloc%               01  0.00
HWM                  01  422576128
HWM%                 01  0.00
Seq                  01  1
SysName              01  RS86
SysLevel             01  z/OS 02.03.00 HBB77B0
******************************** Bottom of data ********************************
```

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Common Storage Remaining Panel (CSR)

- CSR Command
  - Shows common storage remaining (orphan) after address space ends
  - Requires CSA and SQA tracking enabled in DIAGxx

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Common Storage Remaining Panel (CSR)

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF CSR DISPLAY  RS86     (ALL)                        LINE 1-16 (16)
COMMAND INPUT ===>                                          SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat
NP    JOBNAME  JobID    ASID  ASIDX CSA   CSA%    SQA   SQA%    ECSA  ECSA%   ES
      CATALOG             20 0014      0  0.0000   128  0.0077     0  0.0000   2
      EZAZSSI  STC09063   39 0027    288  0.0084     0  0.0000     0  0.0000
      HWIBCPII            29 001D      0  0.0000     0  0.0000  3672  0.0020
      IFGEDI              33 0021      0  0.0000     0  0.0000  4864  0.0027
      IPLTIME  JOB09153   48 0030      0  0.0000     0  0.0000     0  0.0000  10
      MOUNTFS  JOB09155   48 0030      0  0.0000     0  0.0000    64  0.0000
      SMFDUMP  STC09065   44 002C      0  0.0000     0  0.0000     0  0.0000   4
      TS5485   TSU09276  120 0078    136  0.0039     0  0.0000  5512  0.0030
      CATALOG             20 0014      0  0.0000   128  0.0077     0  0.0000   2
      EZAZSSI  STC09168   39 0027    288  0.0084     0  0.0000     0  0.0000
      HWIBCPII            29 001D      0  0.0000     0  0.0000  3672  0.0020
      IFGEDI              33 0021      0  0.0000     0  0.0000  4864  0.0027
      IPLTIME  JOB09259   32 0020      0  0.0000     0  0.0000     0  0.0000  10
      MOUNTFS  JOB09261   32 0020      0  0.0000     0  0.0000    64  0.0000
      SMFDUMP  STC09169   44 002C      0  0.0000     0  0.0000     0  0.0000   4
      SMFSWTCH STC09303  114 0072      0  0.0000     0  0.0000  2416  0.0013
```

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Common Storage Remaining Panel (CSR)

```
                                Show Columns                Row 1 to 21 of 21
Command ===> ____________________________________________________________________

Sort column with F5. Use Locate to position to column.

/  All values          _  Column width

Column                ##  Value
JOBNAME               01  CATALOG
JobID                 01
ASID                  01  20
ASIDX                 01  0014
CSA                   01  0
CSA%                  01  0.0000
SQA                   01  128
SQA%                  01  0.0077
ECSA                  01  0
ECSA%                 01  0.0000
ESQA                  01  2576
ESQA%                 01  0.0109
Date                  01  06/20/2017 15:56:49
SCSA%                 01  15
SECSA%                01  21
SSQA%                 01  20
SESQA%                01  93
Aux%                  01  0
RealAFC               01  761589
SysName               01  RS86
SysLevel              01  z/OS 02.03.00 HBB77B0
****************************** Bottom of data ******************************
```

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Generic Tracker Panel (GT)

- GT Command
  - Shows generic tracker events
  - Event tracking must be active: setgtz tracking=on
- Actions
  - Display events
- SDSF generates some events
  - NOPARM fallback: SDSF server not available or ISFPRMxx not active
  - Main menu as table disabled

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Generic Tracker Panel (GT)

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF GENERIC TRACKER  RS86     (ALL)                    LINE 1-8 (8)
COMMAND INPUT ===>                                        SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,D-Display,DA-DisplayAll,
ACTION=DD-DisplayDebug,DE-DisplayExclude,DH-DisplayHomeJob,DS-DisplayStatus
NP    OWNER     Source    Program  ProgramOffset    EventDesc
      IBMJES2   HASCINJR  *UNKNOWN 0000000000000000 |00000000 0|00000000 0| INTRDR
      IBMJES2   HASCINJR  *UNKNOWN 0000000000000000 |00000000 0|00000000 0| INTRDR
      IBMJES2   HASCINJR  *UNKNOWN 0000000000000000 |00000000 0|00000000 0| STCINR
      IBMJES2   HASCINJR  *UNKNOWN 0000000000000000 |00000000 0|00000000 0| STCINR
      IBMJES2   HASCINJR  *UNKNOWN 0000000000000000 |00000000 0|00000000 0| STCINR
      IBMSDSF   ISFINITC  ISFVTBL  000000000020C15E SDSF MENU TABLE DISABLED: ISFM
      IBMSDSF   ISFINITC  ISFVTBL  000000000020C15E SDSF NOPARM FALLBACK: ISFPRMXX
      IBMJES2   HASCINJR  *UNKNOWN 0000000000000000 |00000000 0|00000000 0| STCINR
```

SDSF generated events

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Generic Tracker Panel (GT)

```
                                Show Columns                Row 1 to 19 of 19
Command ===> _____________________________________________________________________

Sort column with F5. Use Locate to position to column.

/  All values        _  Column width

Column               ##  Value
OWNER                01  IBMSDSF
Source               01  ISFINITC
Program              01  ISFVTBL
ProgramOffset        01  000000000020C15E
EventDesc            01  SDSF MENU TABLE DISABLED: ISFMIGMN ALLOCATED
EventData            01  00000000000000000000000000000000
EJobName             01  TS5485
HJobName             01  TS5485
EASIDX               01  0078
HASIDX               01  0078
Auth                 01  YES
Count                01  3
First-Date-Time      01  06/21/2017 13:07:11
SPathLen             01  0
SourcePath           01
PPathLen             01  0
ProgramPath          01
SysName              01  RS86
SysLevel             01  z/OS 02.03.00 HBB77B0
****************************** Bottom of data ******************************
```

Main menu as table disabled. Application may need updates

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Generic Tracker Panel (GT)

```
                                Show Columns                Row 1 to 19 of 19
Command ===> _____________________________________________________________________

Sort column with F5. Use Locate to position to column.

/  All values        _  Column width

Column               ##  Value
OWNER                01  IBMSDSF
Source               01  ISFINITC
Program              01  ISFVTBL
ProgramOffset        01  000000000020C15E
EventDesc            01  SDSF NOPARM FALLBACK: ISFPRMXX NOT ACTIVE
EventData            01  00000000000000000000000000000000
EJobName             01  TS5485
HJobName             01  TS5485
EASIDX               01  0078
HASIDX               01  0078
Auth                 01  YES
Count                01  1
First-Date-Time      01  06/21/2017 13:07:36
SPathLen             01  0
SourcePath           01
PPathLen             01  0
ProgramPath          01
SysName              01  RS86
SysLevel             01  z/OS 02.03.00 HBB77B0
****************************** Bottom of data ******************************
```

Fallback to ISFPARMS due to SDSF server or ISFPRMxx not active

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

NEW SECONDARY PANELS

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

New Secondary Panels

- Secondary panels accessed using an action character
  - Job Module
    - JC action on DA or AS
  - Job Tasks
    - JT action on DA or AS

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Job Module Panel (JC action)

- JC action from DA or AS
  - Shows CDEs for the selected address space

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF AS DISPLAY  RS86     (ALL)                        LINE 1-4 (4)
COMMAND INPUT ===>                                        SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,JC-JobModule,JD-JobDevices,
ACTION=JM-JobMemory,JT-JobTasks
NP   JOBNAME  ASIDX Real  Fixed CSA      CSA%   ECSA     ECSA%  SQA      SQA%
jc   SDSF     0082   1696   120        0   0.00   697408   0.38        0   0.00
     SDSFAUX  0084   1353   154        0   0.00     7136   0.00        0   0.00
```

```
  Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF JOB MODULE  RS86     ASID 0082 SDSF     STC09799  LINE 13-36 (36)
COMMAND INPUT ===>                                        SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat
NP   MODULE   Major    EPA              ModLen   SP  TCB      Program  JPAQ LP
     HSFMSG            00000000_11C72000 00006EC0 252 008F8588 ISFHCTL  YES  NO
     HSFPCSCH          00000000_0FBCB5F8 00000A08 241 008F8588 ISFHCTL  YES  NO
     HSFPCSCL          00000000_0FBCA5D0 00000A30 241 008F8588 ISFHCTL  YES  NO
     HSFPCSCR          00000000_0FBC9610 000009F0 241 008F8588 ISFHCTL  YES  NO
     HSFPCSCT          00000000_0FAC7248 00000A08 241 008F8588 ISFHCTL  YES  NO
     HSFPCSDI          00000000_11EAB000 00000F70 252 008F8588 ISFHCTL  YES  NO
     HSFPCSML          00000000_11C71340 000009C8 252 008F8588 ISFHCTL  YES  NO
     HSFPCSRQ          00000000_11EAC000 00016640 252 008F8588 ISFHCTL  YES  NO
```

JC action

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Job Module Panel (JC action)

```
                                Show Columns                Row 1 to 22 of 26
Command ===> _____________________________________________________________________

Sort column with F5. Use Locate to position to column.

/ All values        _ Column width

Column              ##  Value
MODULE              01  HSFESTAE
Major               01
EPA                 01  00000000_11B68000
ModLen              01  00002B38
SP                  01  252
TCB                 01  008F8588
Program             01  ISFHCTL
JPAQ                01  YES
LPDE                01  NO
Use                 01  1
SysUse              01  0
CDE                 01  008F8798
AC                  01  0
AM                  01  31
RM                  01  31
APF                 01  YES
Rent                01  YES
Reus                01  YES
Attr                01  31
Attr2               01  22
AttrB               01  10
JobName             01  SDSFKJ
```

```
                                Show Columns                Row 23 to 26 of 26
Command ===> _____________________________________________________________________

Sort column with F5. Use Locate to position to column.

/ All values        _ Column width

Column              ##  Value
ASID                01  127
ASIDX               01  007F
SysName             01  RS86
SysLevel            01  z/OS 02.03.00 HBB77B0
***************************** Bottom of data ******************************
```

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Job Tasks Panel (JT action)

- JT action from DA or AS
  - Shows all tasks (TCBs) for selected address space

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------
SDSF AS DISPLAY  RS86     (ALL)                        LINE 71-94 (139)
COMMAND INPUT ===>                                       SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,JC-JobModule,JD-JobDevices,
ACTION=JM-JobMemory,JT-JobTasks
NP   JOBNAME  ASIDX Real  Fixed CSA      CSA%   ECSA     ECSA%  SQA      SQA%
jt   SDSFKJ   007F   1672   113        0   0.00   697408   0.38        0   0.00
     SDSFAUX  0080   1355   155        0   0.00     7136   0.00        0   0.00

 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------
SDSF JOB TASKS  RS86     ASID 007F SDSFKJ   STC09323   LINE 1-15 (15)
COMMAND INPUT ===>                                       SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat
NP   TCB                  RB       Type Program  Storage FreeStor CPU-Time
     008FD520                      TCB           835584   120576      0.00
     008FD520             008FFF98 PRB  IEAVAR00                     0.00
      008FEE88                     TCB           647168    60352      0.00
      008FEE88            008FF0A0 PRB  IEFSD060                     0.00
      008FEE88            008FED78 PRB  IEESB605                     0.00
       008F8588                    TCB          5005312   155688      0.06
       008F8588           008F8500 PRB  ISFHCTL                      0.00
        008D6738                   TCB            45056     6992      0.01
        008D6738           008D6658 PRB  HSFSYSMN                    0.00
        008D69B0                   TCB           114688    28232      0.01
        008D69B0           008D68D0 PRB  HSFSRVPL                    0.00
        008FC830                   TCB           102400    29560      0.07
        008FC830           008D6EA0 PRB  HSFSRVML                    0.00
      008FF128                     TCB           323584     8064      0.00
      008FF128             008FEE00 PRB  IEAVTSDT                    0.00
```

JT action

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Job Tasks Panel (JT action)

```
                                Show Columns                Row 1 to 20 of 20
Command ===> ____________________________________________________________________

Sort column with F5. Use Locate to position to column.

/  All values        _  Column width

Column               ##  Value
TCB                  01  008FD520
RB                   01  00000000
Type                 01  TCB
Program              01
Storage              01  835584
FreeStor             01  120576
CPU-Time             01  0.000
TCBCMP               01  00000000
TCBFlags             01  0000800400000000
IntC                 01  0000
STCB                 01  7FFFA450
XSB                  01
OPSW                 01  00000000_00000000
ASID                 01  127
ASIDX                01  007F
TCBPtr               01  008FD520
Level                01  1
JobName              01  SDSFKJ
SysName              01  RS86
SysLevel             01  z/OS 02.03.00 HBB77B0
******************************** Bottom of data ********************************
```

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

MISCELLANEOUS CHANGES

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

New Columns and Overtypes

- SCSA%, SECSA%, SSQA%, SESQA%, Aux%, RealAFC, Priv, PrivUsed, Priv%, Epriv, EPrivUsed, Epriv% on the AS panel
- Type on the DYNX panel
- BERGNum on the H and O panels
- Email, BERTNum, JOENum, JOEBERTs, Dubious, BeforeJob, BeforeJID, AfterJob, AfterJID, SchDelay, OrigNHold, CurrNHold, Normal, Abnormal, NrCmp, AbCmp, OpHold on I and ST panels
- GDGBias on the JC panel (overtypeable)
- ConDisp, ConState on the Job Device panel
- CopyGroups on the JDS panel

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

New Columns and Overtypes

- VfyPath on the NO panel
- Nsecure on the NS panel
- UseCount on the PROC panel
- Description, Statement, Keyword on the RM panel
- IPLCurr, IODFUnit, IODFCurr on the SYS panel
- SMFB limit on the RM panel (overtypeable)

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Other Enhancements and Changes

- New DL action on the JC panel (JES2 only)
- New A, H, P, PF, and U actions on the DYNX panel
- Actions on initiator panel can optionally use initiator number rather than initiator name
- Job ID added to WHO command response
- SDSF SERVER keyword and ISFSERVER REXX special variable obsolete
- SET LANGUAGE command obsolete
  - Japanese feature no longer shipped (JQX77xJ)
  - Use new SDSF User's Guide
- MQ support removed

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Z/OSMF SDSF PLUG-IN

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

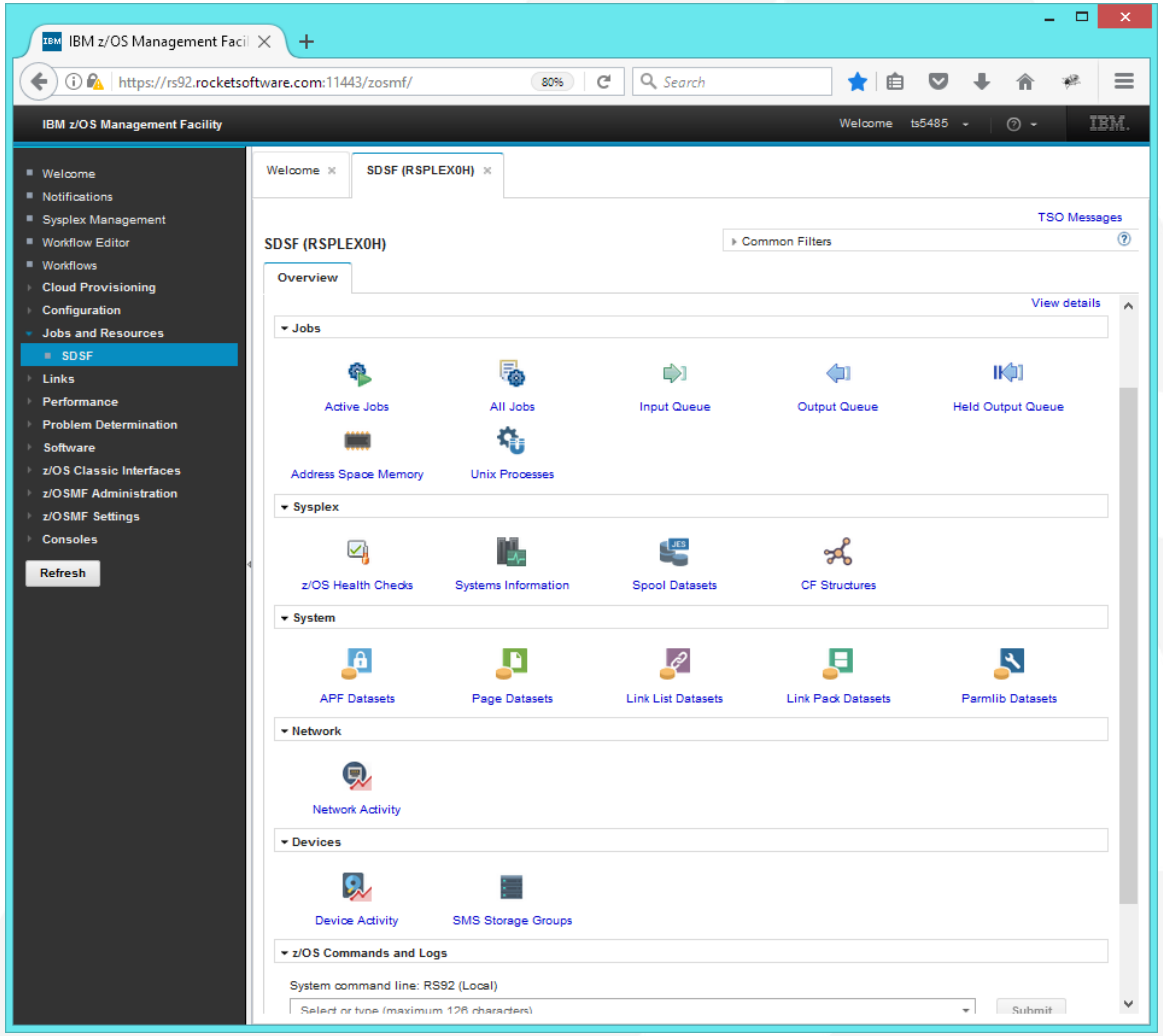
z/OSMF SDSF/UI Plug-In

- SDSF V2R3 new panels
  - Device Activity
  - Network Activity
  - SMS Storage Groups
  - CF Structures
- Overview page folders reorganized

Folder	Panel
Device	DEV, SMSG
Jobs	AS, DA, I, H, O, PS, ST
Network	NA
Sysplex	CFS, CK, SP, SYS
System	APF, LNK, LPA, PAG, PARM

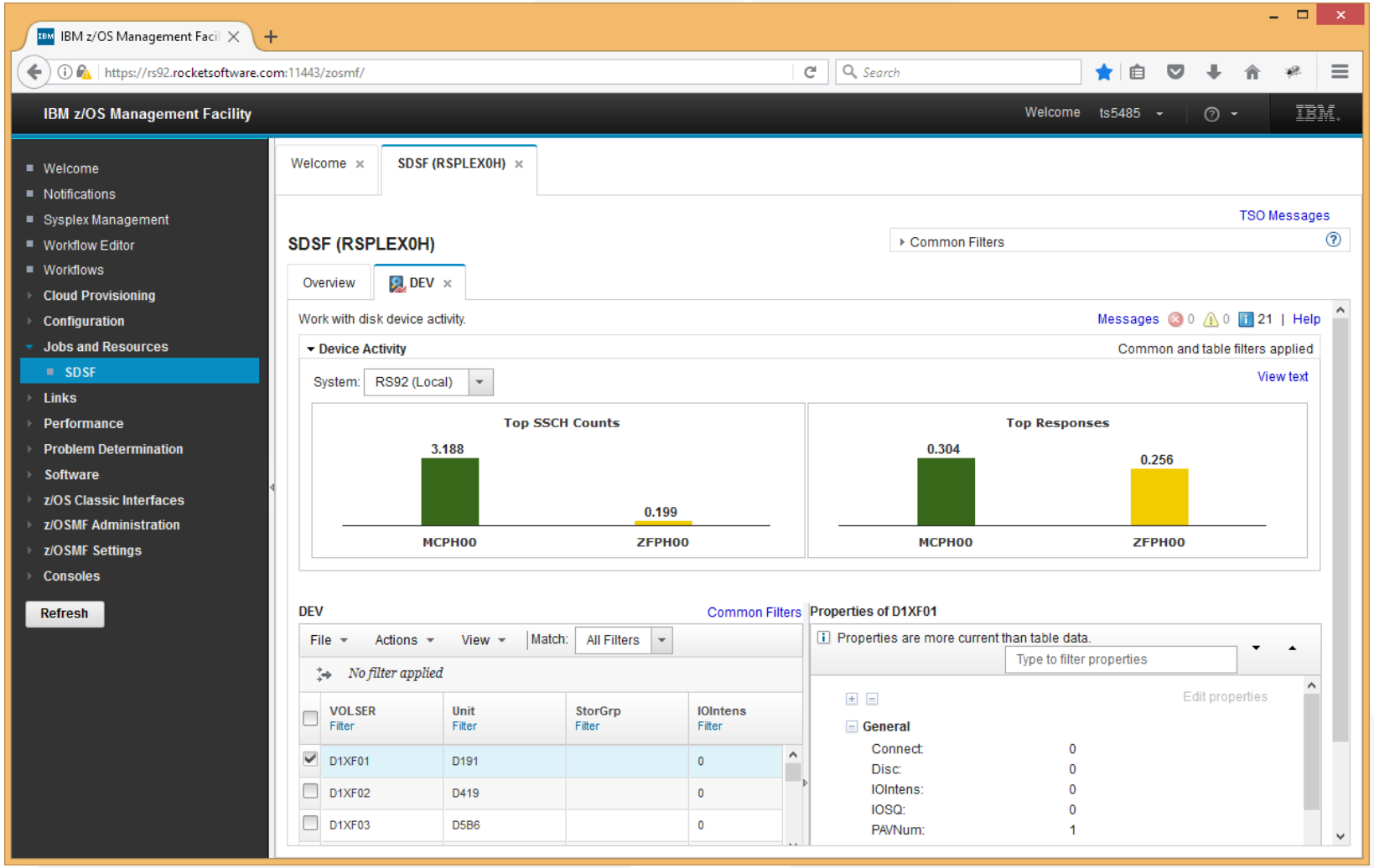
Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

z/OSMF SDSF Plug-In – Overview



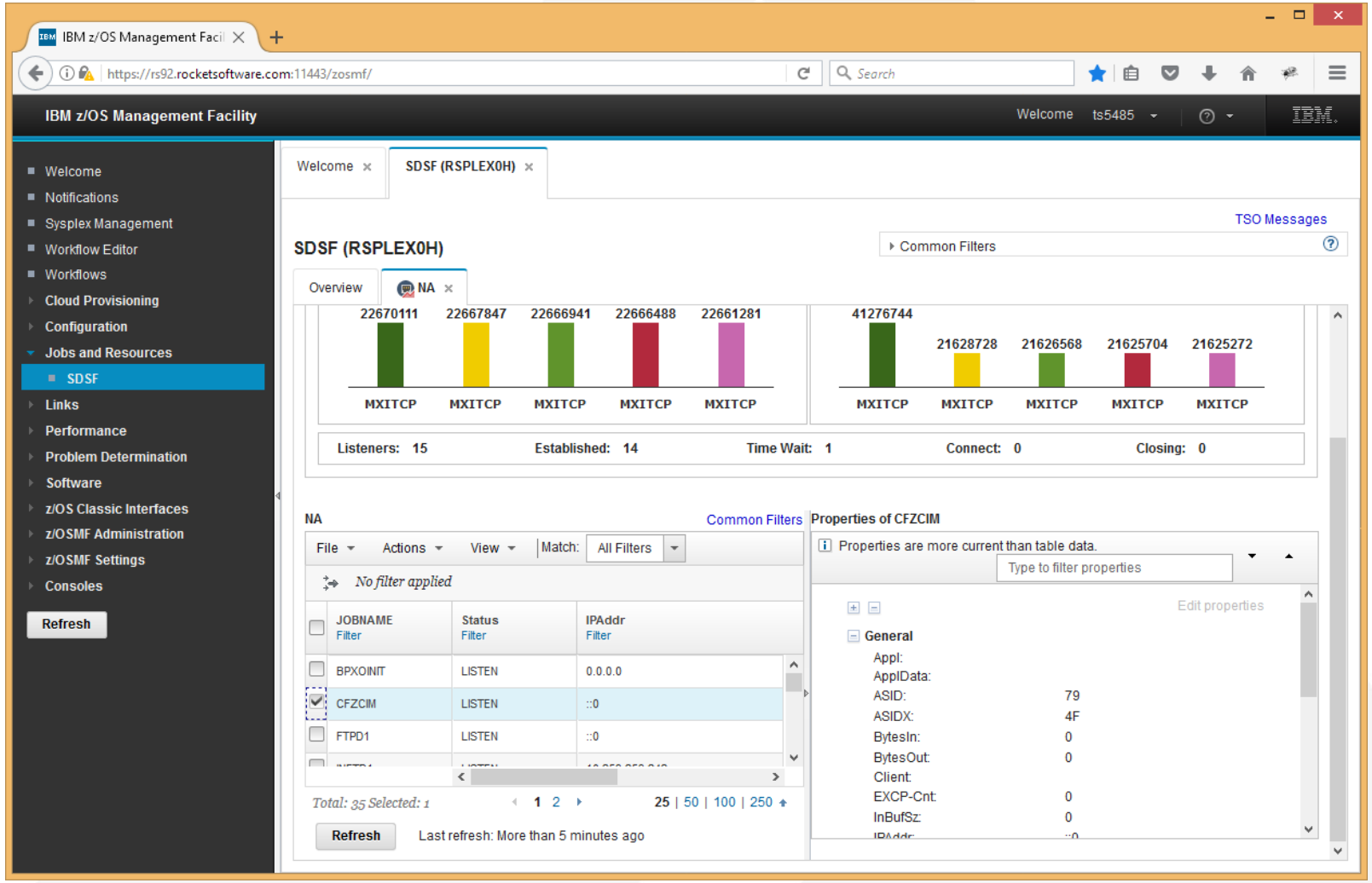
Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

z/OSMF SDSF Plug-In – Device Activity Panel



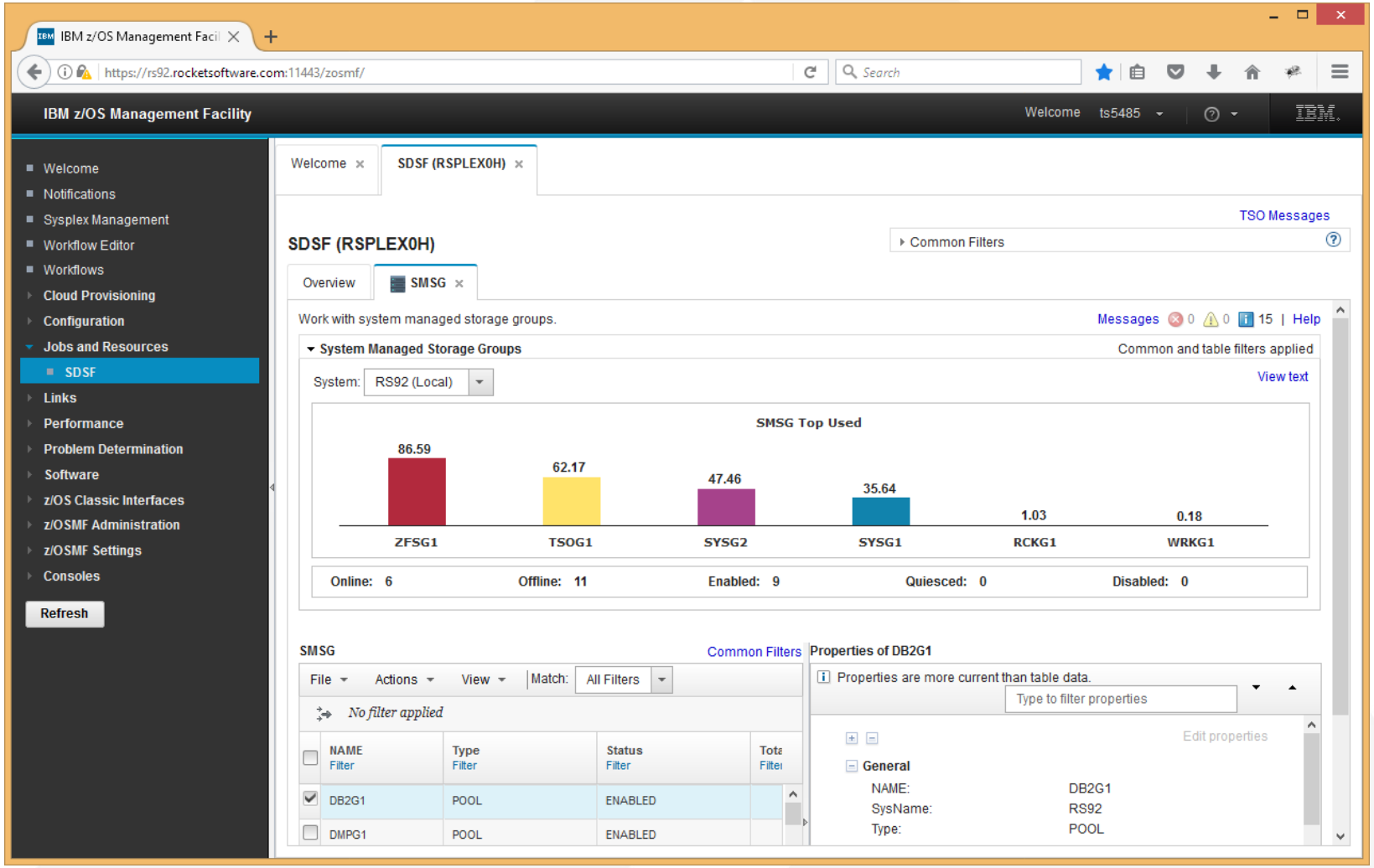
Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

z/OSMF SDSF Plug-In – Network Activity Panel



Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

z/OSMF SDSF Plug-In – SMS Storage Groups



Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Recent Service

- A problem may occur where the SDSF plug-in overview panel is not rendered properly
  - Overview panel may appear as blank or one line message box
- Fixed by Java APAR PH01244
  - Work around described in Java APAR PI93233
- Open PMR if you encounter this problem so you can be notified when fix is available.

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

INSTALLATION AND TOLERATION

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

SDSF Address Spaces

- SDSF address space
  - Manages client connections
  - Processes ISFPRMxx
  - Operator commands
  - Starts/stops SDSFAUX
- SDSFAUX address space
  - Processes data gathering requests
  - Manages XCF connections for remote data gathering requests
  - Internally started by SDSF address space
    - Do not start manually with START command

Copyright© by SHARE Inc. Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

SDSF Address Spaces

- Copy sample JCL to PROCLIB
  - ISF.SISFJCL(SDSF)
  - ISF.SISFJCL(SDSFAUX)
- Copy sample parmlib to PARMLIB
  - ISF.SISFJCL(ISFPRM00)
    - Sample ISF.SISFJCL(ISFPRM01) is an example of ISFPRMxx with most statements and keywords with defaults specified
- Add ISF.SISFLOAD to lnklst
- Add ISF.SISFLPA to LPA list
- Update COMMNDxx to start SDSF
  - S SDSF

Copyright© by SHARE Inc. Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

SDSF Address Spaces

- SDSF V2R3 requires SDSF and SDSFAUX address spaces to be active for full function
  - SDSF will tolerate the address spaces not being active provided:
    - User is permitted to SDSF.NOPARM resource in SDSF class
      - Allows fall back to ISFPARMS
  - Panels that require SDSFAUX will not be available
    - APF, AS, CFC, CFS, CSR, DEV, DYNX, ENQ, FS, GT, NA, PAG, PARM, PROC, SMSG, SMSV, SRCH, SSI, SYM, SYS, VMAP

- ***We strongly recommend that SDSF and SDSFAUX be started !!***

Copyright© by SHARE Inc. Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

SDSF Address Spaces

- In V2R3, clients connect to SDSF address space at initialization
  - Previously connect was deferred until address space service was needed
- Connect requires READ access to ISF.CONNECT.*system* in SDSF class
  - Avoid connect failures and permit your users to this resource

Copyright© by SHARE Inc. Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

SDSF Address Spaces

- Multiple SDSF servers no longer supported
  - Was used to support multiple JES levels running on the same system
    - Configuration no longer applicable
  - Only a single SDSF server (and SDSFAUX) can be started at a time
  - Can be any jobname (default SDSF and SDSFAUX)
    - Specify jobname and procname on CONNECT statement of ISFPRMxx
- Now obsolete:
  - **SERVER** keyword of SDSF command
  - SDSF/REXX special variable **isfserver**
  - SDSF/Java method **addISFServer()** of ISFRequestSettings

Copyright© by SHARE Inc. Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Group Statement Changes

- New keywords for panel field lists
  - *We recommend field lists are not coded* – Use ARRANGE command instead

GROUP	ISFGRP	Description
CDEFLDS(*FLD-name*)		Primary field list for job module panel
CFCFLDS(*FLD-name*)		Primary field list for CFC panel
CFSFLDS(*FLD-name*)		Primary field list for CFS panel
CSRFLDS(*FLD-name*)		Primary field list for CSR panel
DEVFLDS(*FLD-name*)		Primary field list for DEV panel
FSFLDS(*FLD-name*)		Primary field list for FS panel
GTFLDS(*FLD-name*)		Primary field list for GT panel
NAFLDS(*FLD-name*)		Primary field list for NA panel
SMSGFLDS(*FLD-name*)		Primary field list for SMSG panel
SMSVFLDS(*FLD-name*)		Primary field list for SMSV panel
SSIFLDS(*FLD-name*)		Primary field list for SSI panel
TCBFLDS(*FLD-name*)		Primary field list for job tasks panel
VMAPFLDS(*FLD-name*)		Primary field list for VMAP panel

Copyright© by SHARE Inc. Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

New Custom Properties

- New custom properties in ISFPRMxx

Property	Description	Comments
Panel.CSR.JESPlexScope	Controls scope of CSR panel	TRUE if JESPlex wide
Panel.DEV.JESPlexScope	Controls scope of DEV panel	TRUE if JESPlex wide
Panel.FS.JESPlexScope	Controls scope of FS panel	TRUE if JESPlex wide
Panel.GT.JESPlexScope	Controls scope of GT panel	TRUE if JESPlex wide
Panel.NA.JESPlexScope	Controls scope of NA panel	TRUE if JESPlex wide
Panel.SMSG.JESPlexScope	Controls scope of SMSG panel	TRUE if JESPlex wide
Panel.SMSV.JESPlexScope	Controls scope of SMSV panel	TRUE if JESPlex wide
Panel.SSI.JESPlexScope	Controls scope of SSI panel	TRUE if JESPlex wide
Panel.VMAP.JESPlexScope	Controls scope of VMAP panel	TRUE if JESPlex wide
Panel.Main.DisableTable	Controls display of main panel	TRUE if old style non-scrollable panel to be used. Can also ALLOC Fi(ISFMIGMN) DUMMY to session
Panel.INIT.UseInitNum	Controls generated commands on INIT panel	TRUE if initiator number to be used rather than name

Copyright© by SHARE Inc. Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Obsolete Statements and Keywords

- Obsolete statements and keywords due to removal of obsolete function
- Statements are accepted but not syntax checked

Statement	Macro	Keyword	Description
SERVERGROUP			No longer used due to removal of MQ support
SERVER			No longer used due to removal of MQ support
COMM			No longer used due to removal of MQ support
OPTIONS	ISFPMAC	ATHOPEN	Removed as of APAR PI59691
CONNECT		DEFAULT	No longer used due to multiple servers no longer allowed
CONNECT		AUXNAME(NONE)	Value NONE no longer used since SDSFAUX is required
CONNECT		AUXPROC(NONE)	Value NONE no longer used since SDSFAUX is required
GROUP	ISFGRP	LANG	No longer used due to removal of Japanese feature
PROPERTY		NAME(Panel.JDD.NoUseAux)	No longer used since SDSFAUX is required
PROPERTY		NAME(Panel.JM.NoUseAux)	No longer used since SDSFAUX is required

Copyright© by SHARE Inc. Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Toleration PTFs

- Allows SDSF V2R3 level ISFPRMxx to be shared with SDSF V2R1 and V2R2
  - PTF UI90063 (HQX7790)
  - PTF UI90064 (HQX77A0)
- Install PTFs at any time but prior to installation of SDSF V2R3

Copyright© by SHARE Inc. Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Main Menu Toleration

- New scrollable main menu may cause incompatibilities
  - SDSF batch scripts
  - Scripts that post-process SDSF output
- Revert to non-scrollable menu
  - ISFPRMxx custom property Panel.Main.DisableTable
    - Affects entire GROUP
  - Dummy allocation **ISFMIGMN** ddname
    - Affects only that job or user
- Non-scrollable menu will only show the options that fit
  - Options that are not visible are still available

Copyright© by SHARE Inc. Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

SECURITY

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Security

- User must be authorized to connect to SDSF address space
  - Requires READ access to ISF.CONNECT.*system* in SDSF class
- SDSF class must be active and raclisted
  - SDSF V2R3 tolerates SDSF class not active or not raclisted
    - Specify CONNECT AUXSAF(NOFAILRC4) in ISFPRMxx
    - Permit user to SERVER.NOPARM in SDSF class to allow fallback to ISFPARMS
- SDSF/SDSFAUX SAF verify calls that result in RC=04 (indeterminate) will be failed
  - Use CONNECT AUXSAF(NOFAILRC4) in ISFPRMxx to override
- *We strongly recommend you implement SAF security for SDSF !!*

Copyright© by SHARE Inc. Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

New SAF Resources

- New SAF resources for access to panels

Command	Resource Name	Class	Required Access
CFC	ISFCMD.ODSP.COUPLE.*system*	SDSF	READ
CFS	ISFCMD.ODSP.CFSTRUCT.*system*	SDSF	READ
CSR	ISFCMD.ODSP.CSR.*system*	SDSF	READ
DEV	ISFCMD.ODSP.DEVACT.*system*	SDSF	READ
FS	ISFCMD.ODSP.FILESYS.*system*	SDSF	READ
GT	ISFCMD.ODSP.TRACKER.*system*	SDSF	READ
NA	ISFCMD.ODSP.NETACT.*system*	SDSF	READ
SMSG	ISFCMD.ODSP.STORGRP.*system*	SDSF	READ
SMSV	ISFCMD.ODSP.SMSVOL.*system*	SDSF	READ
SSI	ISFCMD.ODSP.SUBSYS.*system*	SDSF	READ
VMAP	ISFCMD.ODSP.VIRTSTOR.*system*	SDSF	READ

Copyright© by SHARE Inc. Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

New SAF Resources

- New SAF resources for panel objects (refer to Operation and Customization)

Command	Resource Name	Class	Required Access
CFC	ISFCFC.*connectionname*	SDSF	READ
CFS	ISFCFS.*structurename*	SDSF	READ
DEV	ISFDEV.*volser*	SDSF	READ/CONTROL
DYNX	ISFDYNX.*exitname*	SDSF	UPDATE/ALTER
FS	ISFFS.*filesystemname*	SDSF	READ
GT	ISFGT.*eventowner*	SDSF	READ
NA	ISFNETACT.*jobname*	SDSF	READ
SMSG	ISFSTORGRP.*storagegroupname*	SDSF	READ/UPDATE
SMSV	ISFSMSVOL.*volume*	SDSF	READ/UPDATE
SSI	ISFSUBSYS.*subsysname*	SDSF	READ
JC action	ISFJOB.MODULE.*owner.jobname.system*	SDSF	READ
JT action	ISFJOB.TASK.*owner.jobname.system*	SDSF	READ

Copyright© by SHARE Inc. Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

DOCUMENTATION

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Documentation

- SDSF Operation and Customization (SA23-2274-30)
  - ISFPARMS
  - Operator commands
  - Security definitions
  - Messages
- SDSF User's Guide (SC27-9028-30) – ***New !!***
  - SDSF panels and commands
  - SDSF/REXX
  - SDSF/Java
- Download from IBM Publications Center
- View through Knowledge Center

Copyright© by SHARE Inc. Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Documentation

- SDSF REXXHELP command
  - Shows SDSF/REXX usage, syntax, and examples
- SDSF RGEN command
  - Generates starter SDSF/REXX execs and examples
- SDSF Javadoc
  - Contains SDSF/Java documentation
  - Download from /usr/lpp/sdsf/java/classes/isfjcallDoc.jar
- SDSF SEARCH command
  - Searches SDSF help system for word or phrase
  - Don’t confuse with SRCH command

Copyright© by SHARE Inc. Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Documentation – SEARCH Command

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF MENU V2R3M0    RSPLEX0G  RS86                        LINE 1-25 (50)
COMMAND INPUT ===> search isfact                              SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SORT=NAME/A  SYSNAME=*
ACTION=S-Select
NP    NAME      Description              Group     Status
      APF       APF data sets            System
      AS        Address space memory     Jobs
      CFC       CF Connections           Sysplex
```

Word or phase to search for

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
                              Search Help                 Row 38 to 53 of 71
 Command ===> _____________________________________________________________

 Search for: ISFACT                                  _  Show titles

     Select a search result to display the help panel.
 _   token on ISFACT
 _   column values, using the ISFACT host environment
 S   Address SDSF "ISFACT sdsf-cmd TOKEN((stem-name) | token-list) PARM(par
 _   set by ISFEXEC or ISFACT in the returned TOKEN.stem variable and must
```

List of all help panels found

Select panel to display

Copyright© by SHARE Inc. Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Documentation – SEARCH Command

```
Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
                              Search Help                Row 41 to 56 of 71
 ----------------------------------------------------------------------------
                 SDSF REXX: Take Actions and Modify Columns

                                                                 More:     +
 You invoke SDSF action characters and overtype, or modify, column
 values, using the ISFACT host environment command, as follows:

 Address SDSF "ISFACT sdsf-cmd TOKEN((stem-name) | token-list)
 PARM(parms) (options)"

 where:

 sdsf-cmd
      is the command for the panel. It must be the same SDSF command,
      including any parameters, that was previously entered with the
      ISFEXEC command.

 stem-name
      is the name of a stem variable containing one or more row tokens
      which identify the rows to be acted upon. Enclose stem-name in
      parentheses to indicate that it is a stem variable. The 0 variable
      in the stem must contain a count of the number of variables in the
```

Help panel containing text is shown

Copyright© by SHARE Inc. Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Documentation – RGEN Command

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF MENU V2R3M0     RSPLEX0G  RS86                    LINE 1-25 (50)
COMMAND INPUT ===> rgen x                                  SCROLL ===> HALF
PREFIX=*  DEST=(ALL)  OWNER=*  SORT=NAME/A  SYSNAME=*
ACTION=S-Select
NP   NAME     Description              Group     Status
     APF      APF data sets            System
     AS       Address space memory     Jobs
     CFC      CF Connections           Sysplex
     CFS      CF Structures            Sysplex
     CK       Health checker           System
     CSR      Common storage remaining Memory
     DA       Active users             Jobs
     DEV      Device activity          Devices
     DYNX     Dynamic exits            System
     ENC      Enclaves                 WLM
     ENQ      Enqueues                 System
     FS       File systems             OMVS
```

```
Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
                              REXX Examples                Row 1 to 15 of 22
Command ===> ____________________________________________________________________

Sort by type (F5) or description (F6).

    Type      Description
_   Action    Cancel a job
_   Action    Cancel a set of jobs
_   Action    Invoke an EXEC with the % action character
_   Action    List action characters
_   Action    List job data sets
_   Action    Modify a value for a set of jobs
_   Action    Modify values for selected jobs (overtype)
_   Browse    Browse a single data set with EXECIO
_   Browse    Browse a single data set with ISFBROWSE
s   Browse    Browse check output
    Browse    Browse check output from check history
_   Browse    Browse check output with ISFBROWSE
_   Browse    Browse job output with EXECIO
_   Browse    Browse job output with ISFBROWSE
_   Browse    Browse job output with ISFBROWSE - groups of lines
```

Copyright© by SHARE Inc. Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Documentation – RGEN Command

```
SDSF EDIT    RGEN TS5485.RS86.SPFTEMP1.CNTL                    Columns 00001 00072
Command ===> ____________________________________________________ Scroll ===> HALF
****** ***************************** Top of Data ******************************
000001 /* REXX */
000002 Arg debug
000003
==MSG>    Important: Copy this generated exec from temporary dataset
==MSG>      TS5485.RS86.SPFTEMP1.CNTL
==MSG>    and edit that copy to prevent your changes from being lost.
==MSG>
000004 /*********************************************************************
000005 *
000006 *   SDSF RGEN Generated Example:
000007 *   Browse check output
000008 *
000009 *   This exec was generated by the SDSF RGEN command on
000010 *   Wednesday 2017/07/19 at 15:01:55.67.
000011 *
000012 *   5650-ZOS
000013 *   SDSF level = z/OS 02.03.00 (HQX77B0)
000014 *
000015 *   This sample uses function available since z/OS V1R9.
000016 *
======    For more information and examples, use the SDSF REXXHELP
======    command.  To search SDSF's help, use SEARCH search-string.
000017 *********************************************************************/
000018
=NOTE= Tip: All SDSF/REXX execs must include the following statement:
000019 rc=isfcalls('ON')
```

RGEN generates a fully functional exec that you can modify

Copyright© by SHARE Inc. Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Documentation

- See “What’s New” in SDSF help panels for complete list of changes
  - From main menu, press F1

```
Display  Filter  View  Print  Options  Search  Help
                    HELP: SDSF -- Table of Contents
COMMAND INPUT ===>

  Select a topic by number, or press Enter to view topics in sequence.

   1 - What's new                          13 - Help commands
   2 - Job and workload panels             14 - Action bar
   3 - Device and resource panels          15 - PF keys and keylists
   4 - System information panels           16 - Action characters
   5 - Search and scroll commands          17 - Overtypeable fields
   6 - Filter commands                     18 - JES and MVS commands
   7 - View commands                       19 - Point-and-shoot
   8 - Printing data                       20 - Online library
   9 - Options commands
  10 - Other commands                      99 - SDSF messages
  11 - Server commands
  12 - SDSF command                  REXXHelp - SDSF REXX (ISPF only)

  SEARCH - Search the help (ISPF only)

F1 = Help            F10 = Previous          Enter = Forward
F3 = Exit             F7 = Up                TOC = Menu
```

```
Display  Filter  View  Print  Options  Search  Help
                    HELP: What's New in SDSF
COMMAND INPUT ===>

        Select a topic or press Enter to view them in sequence.

        1 - Main menu
        2 - Network and device activity panels
        3 - CF connection and structures panels
        4 - File system panel
        5 - Subsystem panel
        6 - Generic tracker panel
        7 - Common storage remaining and virtual map panels
        8 - TCB and CDE panels
        9 - Show column values
       10 - New columns and overtypes
       11 - Other enhancements and changes

       99 - Enhancements in previous releases

F1 = Help            F10 = Previous          Enter = Forward
F3 = Exit             F7 = Up                TOC = Menu
```

Copyright© by SHARE Inc. Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

Trademarks

The following terms are trademarks of Rocket Software, Inc. in the United States and/or other countries:

Rocket®

The following terms are trademarks of the International Business Machines Corporation in the United States and/or other countries:

IBM®, z/OS®

Other company, product, and service names may be trademarks or service marks of others.

Copyright ©1981, 2017 IBM Corp.

Copyright ©2015, 2017 Rocket Software, Inc. All Rights Reserved.

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

SHARE
EDUCATE • NETWORK • INFLUENCE

Questions ?

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

SDSF V2R3 Product Update

SHARE
EDUCATE • NETWORK • INFLUENCE

Thank You !

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/

SHARE
EDUCATE • NETWORK • INFLUENCE

The Race to 15,000!

Be a part of the...

HOOPLA!

Don't miss Thursday's Farewell Reception!

PERSON

PROGRAM

PROJECT

Complete your session evaluations at www.share.org/evaluation and see your progress on the leaderboard!

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. http://creativecommons.org/licenses/by-nc-nd/3.0/