SDSF V2R4 Product Update

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Overview

- Recap of panels added in 2.2 and 2.3.
- New tabular panels
  - 14 new primary panels
  - 4 new secondary panels
- Usability enhancements
- SDSF REXX enhancements
- z/OSMF SDSF plug-in enhancements
- Installation and configuration

Recap : SDSF panels added in 2.2 and 2.3

APF Data Sets (APF)

Address Space Storage (AS)

Page Data Sets (PAG)

z/OS Parmlib Data Sets (PARM)

CF Connections (CFC)

CF Structures (CFS)

Device Activity (DEV)

z/OS Unix File Systems (FS)

Generic Tracker (GT)

Network Activity (NA)

SMS Storage Groups (SMSG)

Linklist Data Sets (LNK)

LPA List Data Sets (LPA)

Jobstep Information (JS)

JES2 Proclib Data Sets (PROC)

SMS Volumes (SMSV)

Subsystems (SSI)

Common Storage Remaining (CSR)

Virtual Storage Map (VMAP)

Job Modules (JC)

Job Tasks (JT)

Search Data Set Lists (SRCH)

NEW PRIMARY PANELS

14 New Primary Panels

- EMCS   Extended Consoles
- ENQD   Data Set Enqueues
- JES   JES Subsystems
- JRI   JES2 Resource Information
- JRJ   JES2 Resource Usage By Jobname
- RMA   JES2 Resource Monitor Alerts
- LPD   Link Pack Directory
- OMVS   z/OS Unix Options
- REPC   WLM Report Classes
- RGRP   WLM Resource Groups
- SRVC   WLM Service Classes
- WKLD   WLM Workloads
- WLM   WLM Policy
- XCFM   XCF Groups and Members

EMCS Panel – Extended Consoles in Sysplex

```
  Display  Filter  View  Print  Options  Search  Help
--------------------------------------------------------------------
SDSF EMCS DISPLAY   RS86                              LINE 33-39 (39)
COMMAND INPUT ===>                                    SCROLL ===> HALF
PREFIX=**   DEST=(ALL)   OWNER=*   SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,D-Display,DL-DisplayLong,
ACTION=E-ResetForce,P-Remove
NP     NAME        Status    Key       JobName  JobID      QDepth QLimit QAlert% DSPSize
       *AXTO486  ACTIVE    SYSREXX   AXR04    STC01368        0  10000     100      54
       *DICNS86  ACTIVE    NONE                               0  10000     100     774
       *OPLOG86  ACTIVE    OPERLOG                            0  50000     100     774
       *ROUTE86  ACTIVE    MVSROUTE                           0     2B     100     774
       *SYSLG86  ACTIVE    SYSLOG                             0  50000     100     774
       ROOT      INACTIVE  SDSF                               0      0       0
       RS86      ACTIVE    SYSCONS                            0  10000      80     774
```

- Sysplex wide - SYSNAME pattern does not apply
- Actions available:
  - display, display long, reset force, remove
- Overtypes available:
  - Auth, IntIDs, UnknIDs, Mscope, RoutCde

EMCS Panel - Columns

```
                              Show Columns                  Row 1 to 22 of 27
Command ===> _____

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

_   All values          _   Column width

Column                  ##   Value
NAME                    01   *AXR0A86
Status                  01   ACTIVE
Key                     01   SYSREXX
QDepth                  01   0
QLimit                  01   10000
QAlert%                 01   100
DSPSizeK                01   540
DSPMaxK                 01   2097152
ASID                    01   26
ASIDX                   01   001A
TermID                  01   AXREMCS
Auth                    01   MASTER
Level                   01   NB
ConsID                  01   02000013
CmdSys                  01   RS86
DOM                     01   NONE
HC                      01   NO
Auto                    01   NO
IntIDs                  01   NO
UnknIDs                 01   NO
PD                      01   NO
SysCons                 01   NO
```

```
                              Show Columns                 Row 23 to 27 of 27
Command ===> _____

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

_   All values          _   Column width

Column                  ##   Value
MScope                  01   *ALL
RoutCde                 01   NONE
RoutCdeX                01   000000000000000000000000000000000
SysName                 01   RS86
SysLevel                01   z/OS 02.04.00 HBB77C0
******************************* Bottom of data ********************************
```

ENQD – Data Set Enqueues

```
  Display  Filter  View  Print  Options  Search  Help
  --------------------------------------------------------------------
SDSF ENQ DISPLAY  RS86      DATASET  TS5485*              LINE 1-8 (8)
COMMAND INPUT ===>                                        SCROLL ===> HALF
PREFIX=**  DEST=(ALL)  OWNER=*  SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,D-Display
NP   MINOR                                         Major    Req JobName
     TS5485.RS86.ISPPROF                           SYSDSN   SHR TS5485
     TS5485.RS86.SPFTEMP1.CNTL                     SYSDSN   EXC TS5485
     TS5485.RS86.SPFTEMP2.WORK                     SYSDSN   EXC TS5485
     TS5485.RS86.SPFTEMP1.LIST                     SYSDSN   EXC TS5485
     TS5485.RS86.SPFTEMP0.CNTL                     SYSDSN   EXC TS5485
     TS5485.RS86.SPFTEMP2.CNTL                     SYSDSN   EXC TS5485
     TS5485.RS86.SPFTEMP1.WORK                     SYSDSN   EXC TS5485
     TS5485.RS86.SPFTEMP2.LIST                     SYSDSN   EXC TS5485
```

- Shows all enqueues for data sets on all systems in the sysplex

- Optional parameter to specify data set name mask – default is *userid*.*

- Convenient variant of the ENQ command that is equivalent to ENQ SYSDSN * and then FILTER for data set name mask

- Actions available :
  - display

ENQD - Columns

```
                                Show Columns                     Row 1 to 22 of 22
Command ===> _____

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

/   All values          _    Column width

Column                  ##   Value
MINOR                   01   TS5485.RS86.ISPPROF
Major                   01   SYSDSN
Req                     01   SHR
JobName                 01   TS5485
ASID                    01   117
ASIDX                   01   0075
Level                   01   ENQ
SMC                     01   NO
Scope                   01   SYSTEMS
Status                  01   OWN
Owners                  01   1
Waiters                 01   0
WaitExc                 01   0
WaitShr                 01   0
Unit                    01
UserData                01
ReqTime                 01   03/04/2019 10:49:42
EnqToken                01   C5D5D8E30100000000000050001C9CA000D5C56FD3B560B200
                             0000000C5C0003
RNameLong               01   TS5485.RS86.ISPPROF
SysName                 01   RS86
.END                    01   **End of List**
```

JES – Known JES Subsystems

```
 Display  Filter  View  Print  Options  Search  Help
----------------------------------------------------------------------
SDSF JES DISPLAY  RS86       (ALL)                        LINE 1-2 (2)
COMMAND INPUT ===>                                    SCROLL ===> HALF
PREFIX=**   DEST=(ALL)   OWNER=*    SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,D-Display,JC-CheckPoint
NP    NAME Type Primary Member    Emergency ComChar    Global    OwnNode   XCFGroup S
      JES2 JES2 YES     RS86       HASP       $          NO        N1        RSPLEXOG A
      JES2 JES2 YES     RS88       HASP       $          NO        N1        RSPLEXOG A
```

- Display known JES2 and JES3 subsystems in the sysplex
  - Use SYSNAME pattern to limit rows

- Actions available:
  - Display, display checkpoint

JES - Columns

```
                              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
NAME                       01     JES2
Type                       01     JES2
Primary                    01     YES
Member                     01     RS86
Emergency                  01     HASP
ComChar                    01     $
Global                     01     NO
OwnNode                    01     N1
XCFGroup                   01     RSPLEX0G
Status                     01     ACTIVE
Service                    01     0
Version                    01     z/OS 2.4
SSCT                       01     00C29670
SysName                    01     RS86
SysLevel                   01     z/OS 02.04.00 HBB77C0
.END                       01     **End of List**
****************************** Bottom of data ******************************
```

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Background – JES2 Privileged Resources

- Before JES2 2.3, an exhaustion of certain critical resources, such as spool space, could prevent such activities as TSO LOGONs, job execution and JES2 commands.

- In JES2 2.3+, a certain amount of these resources can be reserved for privileged job consumption. This allows support staff to use the emergency JES subsystem and submit jobs or issue commands to correct any non-privileged resource shortage.

- A small percentage of SPOOL, JOEs, JQEs and BERTs are set aside for privileged jobs, STCs and TSO logons

- Emergency subsystem and privileged resources are meant for problem resolution – not high priority workloads.

- New SDSF displays for JES2 resiliency information – JRI, JRJ and RMA.

JRI – JES2 Resource Information

```
   Display   Filter   View   Print   Options   Search   Help
----------------------------------------------------------------------
SDSF JESINFO DISPLAY   RS86                              LINE 1-4 (4)
COMMAND INPUT ===>                                   SCROLL ===> HALF
PREFIX=*   DEST=(ALL)   OWNER=*   SYSNAME=*
NP    NAME       Shortage  NPrivShortage  NPrivMax NPrivUse NPrivUse% NPrivExhaust N
      BERT       NO        NO                12610      418        3 NO
      JOE        NO        NO                10000      549        5 NO
      JQE        NO        NO                10000      563        6 NO
      Spool      NO        NO                16465     1348        8 NO
```

- Shows JES2 resource usage
- Similar to $DLIMITS command

JRI - Columns

```
                           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
NAME                      01   BERT
Shortage                  01   NO
NPrivShortage             01   NO
NPrivMax                  01   12610
NPrivUse                  01   418
NPrivUse%                 01   3
NPrivExhaust              01   NO
NPrivWarn%                01   80
PrivSup                   01   ON
ResPrivSup                01   OFF
PrivMax                   01   0
PrivUse                   01   0
PrivUse%                  01   0
SmallEnv                  01   OFF
Description               01   CB extensions
SampleTime                01   07/23/2019 08:59:25
JESName                   01   JES2
SysName                   01   RS86
SysLevel                  01   z/OS 02.04.00 HBB77C0
********************************* Bottom of data *********************************
```

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JRJ – JES2 Resource Usage By Jobname

```
 Display  Filter  View  Print  Options  Search  Help
 -----------------------------------------------------------------------
 SDSF JESINFO JOB DISPLAY   RS86     COUNT                 LINE 1-26 (28)
 COMMAND INPUT ===>                                        SCROLL ===> HALF
 PREFIX=*  DEST=(ALL)  OWNER=*  SYSNAME=*
 NP    NAME       JobID    Resource Usage Usage% UsageRate NPrivMax SampleTime
       TS5485W    JOB04866 BERT         6      1    0.000     12610 07/23/2019 09:1
       TS5485W1   JOB04868 BERT         5      1    0.000     12610 07/23/2019 09:1
       TS5485W2   JOB04869 BERT         5      1    0.000     12610 07/23/2019 09:1
       TS5485W3   JOB04870 BERT         5      1    0.000     12610 07/23/2019 09:1
       TCPIP      STC00192 BERT         3      1    0.000     12610 07/23/2019 09:1
       TS5485     TSU00289 BERT         3      1    0.000     12610 07/23/2019 09:1
       TS5485     TSU04771 JOE          6      1    0.000     10000 07/23/2019 09:1
       TS5485     TSU04466 JOE          5      0    0.000     10000 07/23/2019 09:1
       TS5485     TSU04801 JOE          5      0    0.000     10000 07/23/2019 09:1
       TS5485D    JOB04772 JOE          4      0    0.000     10000 07/23/2019 09:1
       TS5485D    JOB04773 JOE          4      0    0.000     10000 07/23/2019 09:1
       TS5485D    JOB04774 JOE          4      0    0.000     10000 07/23/2019 09:1
       TS5485D    JOB04775 JOE          4      0    0.000     10000 07/23/2019 09:1
       TS5485D    JOB04776 JOE          4      0    0.000     10000 07/23/2019 09:1
       TS5485D    JOB04777 JOE          4      0    0.000     10000 07/23/2019 09:1
       TS5485R    JOB04661 JOE          4      0    0.000     10000 07/23/2019 09:1
       TS5485R    JOB04663 JOE          4      0    0.000     10000 07/23/2019 09:1
       TS7897     TSU04917 JOE          4      1    0.000     10000 07/23/2019 09:1
       TS5485     TSU00256 Spool      202     15    0.000     16465 07/23/2019 09:1
       TS5485R    JOB04663 Spool      122      5    0.000     16465 07/23/2019 09:1
       TS5485     TSU04771 Spool       92      4    0.000     16465 07/23/2019 09:1
       TS5485     TSU04801 Spool       92      4    0.000     16465 07/23/2019 09:1
       TS5485R    JOB04661 Spool       76      3    0.000     16465 07/23/2019 09:1
       TS5485     TSU04466 Spool       72      3    0.000     16465 07/23/2019 09:1
       TS7897     TSU04395 Spool       25      2    0.000     16465 07/23/2019 09:1
       TS7897     TSU04398 Spool       24      1    0.000     16465 07/23/2019 09:1
```

Sorted by Resource and Count

- Shows JES resource usage by job
  - JRJ [C|COUNT|R|RATE]
- COUNT mode shows job resource usage by highest count
- RATE mode shows job resource usage by highest rate

JRJ - Columns

```
                              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   TS5485W
JobID                   01   JOB04866
Resource                01   BERT
Usage                   01   6
Usage%                  01   1
UsageRate               01   0.000
NPrivMax                01   12610
SampleTime              01   07/23/2019 09:14:21
JESName                 01   JES2
SysName                 01   RS86
SysLevel                01   z/OS 02.04.00 HBB77C0
**************************** Bottom of data ****************************
```

RMA – JES2 Resource Monitor Alerts

```
 Display   Filter   View   Print   Options   Search   Help
-------------------------------------------------------------------------
SDSF RESOURCE ALERTS   (ALL)                              LINE 1-4 (4)
COMMAND INPUT ===>                                        SCROLL ===> HALF
PREFIX=**   DEST=(ALL)   OWNER=*   SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,J-Monitor,JD-MonitorDetails,
ACTION=JH-MonitorHistory,JJ-MonitorState,JS-MonitorStatus
NP     TYPE      Member      MessageLine1
       NOTICE    RS86        $HASP9250 RESOURCE JOES UTILIZATION IS AT    6.72%
       NOTICE    RS86        $HASP9250 RESOURCE JQES UTILIZATION IS AT    5.66%
       NOTICE    RS88        $HASP9250 RESOURCE JOES UTILIZATION IS AT    6.72%
       NOTICE    RS88        $HASP9250 RESOURCE JQES UTILIZATION IS AT    5.66%
```

- Shows outstanding JES2 alerts, notices, and track messages
  - Use SYSNAME pattern to limit rows
- Actions available:
  - monitor, monitor details, monitor history, monitor state, monitor status

RMA - Columns

```
                              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
TYPE                       01   NOTICE
Member                     01   RS86
MessageLine1               01   $HASP9250 RESOURCE JOES UTILIZATION IS AT  12.61%
MessageLine2               01
MessageLine3               01
MessageLine4               01
MessageTime                01
Critical                   01   NO
JESN                       01   JES2
SysName                    01   RS86
SysLevel                   01   z/OS 02.04.00 HBB77C0
.END                       01   **End of List**
****************************** Bottom of data ********************************
```

LPD – Link Pack Directory

```
  Display  Filter  View  Print  Options  Search  Help
-----------------------------------------------------------------------------
SDSF LPD DISPLAY   RS86       (ALL)                          LINE 322-346 (2329)
COMMAND INPUT ===>                                           SCROLL ===> HALF
PREFIX=**   DEST=(ALL)   OWNER=*   SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat
NP     MODNAME   Major    EPA                  LoadPt               Location         Mod
       COFMSRB1           00000000_06BC46B0  00000000_06BC46B0  EXTENDED-PLPA    000
       CSFINLPA           00000000_1056B000  00000000_1056B000  EXTENDED-CSA     000
       CSFINLP2           00000000_00C28690  00000000_00C28690  CSA              000
       CSFMGARC           00000000_1194B4F0  00000000_1194B4F0  EXTENDED-CSA     000
       CSFMGTRC           00000000_11220608  00000000_11220608  EXTENDED-CSA     000
       CSFMIQIH           00000000_119685F8  00000000_119685F8  EXTENDED-CSA     000
       CSRBALUA  CSRBBLSR 00000000_03839000                     EXTENDED-PLPA    000
```

- Shows details of modules in the link pack area
  - Includes modules added by CSVDYLPA

LPD - Columns

```
                              Show Columns                    Row 1 to 14 of 14
Command ===> _____

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

/   All values            _   Column width

Column                     ##   Value
MODNAME                    01   ACYAPCIP
Major                      01   ACYAPCNP
EPA                        01   00000000_03337000
LoadPt                     01
Location                   01   EXTENDED-PLPA
ModLen                     01   00000000
Type                       01   PLPA
AC                         01   0
AM                         01   31
APF                        01   YES
Seq                        01   2280
SysName                    01   RS86
SysLevel                   01   z/OS 02.04.00 HBB77C0
.END                       01   **End of List**
*********************************** Bottom of data ******************************
```

OMVS – z/OS Unix Options (BPXO)

- Shows z/OS Unix options in effect
  - Access with the BPXO command
    - Conflict with "OMVS" command which means O panel classes MVS
- Use SYSNAME pattern to limit rows
- Actions available:
  - display OMVS options, set nolimit
- Overtypes available:
  - any numeric property

OMVS - Columns

```
 Display  Filter  View  Print  Options  Search  Help
 -------------------------------------------------------------------------
 SDSF OMVS OPTIONS   RS86        RS86                        LINE 1-26 (56)
 COMMAND INPUT ===>                                          SCROLL ===> PAG
 PREFIX=**   DEST=(ALL)   OWNER=*   SYSNAME=
 NP     NAME                NumericValue Value                        Status
        ALTROOT
        ASID                             0010
        AUTHPGMLIST                      NONE
        AUTOCVT                          OFF
        BRLM SERVER                      N/A
        FORKCOPY                         COPY
        IPCMSGNIDS                500
        IPCMSGQBYTES         2147483647
        IPCMSGQMNUM              10000
        IPCSEMNIDS                500
        IPCSEMNOPS                 25
        IPCSEMNSEMS              1000
        IPCSHMMPAGES            25600
        IPCSHMNIDS                500
        IPCSHMNSEGS               500
        IPCSHMSPAGES           262144
        KERNELSTACKS                     ABOVE
        LIMMSG                           NONE
        LOSTMSG                          ON
        MAXASSIZE            1073741824
        MAXCORESIZE            4194304
        MAXCPUTIME               7200
        MAXFILEPROC             64000
        MAXFILESIZE          4294967295                      NOLIMIT
        MAXIOBUFUSER             2048
        MAXMMAPAREA             40960
```

Overtype numerical values

OMVS – Columns (continued)

```
   Display   Eilter   View   Print   Options   Search   Help
 ------------------------------------------------------------------------
 SDSF OMVS OPTIONS   RS86        RS86                      LINE 27-52 (56)
 COMMAND INPUT ===>                                         SCROLL ===>
 PREFIX=**   DEST=(ALL)   OWNER=*   SYSNAME=
 NP    NAME                   NumericValue Value                       Status
       MAXPIPEUSER                    8730
       MAXPROCSYS                      400
       MAXPROCUSER                     150
       MAXPTYS                         256
       MAXQUEUEDSIGS                  1000
       MAXSHAREPAGES               131072
       MAXTHREADS                    10000
       MAXTHREADTASKS                 5000
       MAXUIDS                         200
       MAXUSERMOUNTSYS                   0
       MAXUSERMOUNTUSER                  0
       NONEMPTYMOUNTPT                      WARN
       PARMLIB                              OMVS=(RS)
       PROCNAME                             OMVS
       PWT                                  ENV
       RESOLVER PROC                        RESOLVER
       SC_EXITTABLE
       SERV_LINKLIB
       SERV_LPALIB
       SHRLIBMAXPAGES                 4096
       SHRLIBRGNSIZE              67108864
       STEPLIBLIST
       SUPERUSER                            OMVSKERN
       SWA                                  BELOW
       SYSCALL COUNTS                       NO
       SYSPLEX                              YES
```

OMVS – Columns (continued)

```
   Display  Filter  View  Print  Options  Search  Help
 ---------------------------------------------------------------------------
 SDSF OMVS OPTIONS  RS86       RS86                             LINE 53-56 (56)
 COMMAND INPUT ===>                                             SCROLL ===>
 PREFIX=**  DEST=(ALL)  OWNER=*  SYSNAME=
 NP    NAME                     NumericValue Value                     Status
       TTYGROUP                              TTY
       UMASK                                 NONE
       USERIDALIASTABLE
       VERSION                               RP204B,N
```

REPC – WLM Report Classes

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------------
SDSF REPORT CLASS DISPLAY  RS86        ROCKET01              LINE 1-8 (8)
COMMAND INPUT ===>                                           SCROLL ===> HALF
PREFIX=**  DEST=(ALL)  OWNER=*  SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat
NP   NAME      Description                        Policy    PolicyDescription
     CICSRPT   CICS Report Group                  ROCKET01  Rocket Software Policy
     DB2SQ     DB2 Sysplex Queries                ROCKET01  Rocket Software Policy
     DDF       DB2 Distributed Transactions       ROCKET01  Rocket Software Policy
     IWEB      Web Server Transactions            ROCKET01  Rocket Software Policy
     LSFM      Lan Server for MVS                 ROCKET01  Rocket Software Policy
     MONITORS  System Monitors                    ROCKET01  Rocket Software Policy
     OMVS      OpenEdition MVS/UNIX               ROCKET01  Rocket Software Policy
     SOM       System Object Model                ROCKET01  Rocket Software Policy
```

- Show details of the WLM report classes from the current policy

REPC - Columns


```
                                    Show Columns                          Row 1 to 13 of 13
Command ===> _____

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

_   All values              _    Column width

Column                     ##   Value
NAME                       01   TRPTCLS1
Description                01   Tenant report class 1
Policy                     01   ROCKET01
PolicyDescription          01   Rocket Software Policy 01
PolicyActDate              01   02/11/2020 18:59:59
CrUser                     01   TS5485
CrDate                     01   02/11/2020 18:59:11
UpdUser                    01   TS5485
UpdDate                    01   02/11/2020 18:59:11
SysName                    01   RS86
SysLevel                   01
Tenant                     01   YES
TenantName                 01   TGROUP1
********************************** Bottom of data ********************************
```

RGRP – WLM Resource Groups

```
 Display  Filter  View  Print  Options  Search  Help
-----------------------------------------------------------------------
SDSF RESGROUP DISPLAY  RS86       ROCKET01                 LINE 1-2 (2)
COMMAND INPUT ===>                                     SCROLL ===> HALF
PREFIX=**  DEST=(ALL)  OWNER=*   SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat
NP   NAME      Description                     Policy     MinSU    MaxSU MinLP
     KILLIT    Logical Swapout for Non-Swap    ROCKET01                    1
     TSTRGRP1  TEST resource group for SDSF    ROCKET01       1    10000
```

- Shows details about WLM resource groups in the current policy

RGRP - Columns

```
Command ===> _____

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

_   All values            _   Column width

Column                ##   Value
NAME                  01   TGROUP2
Description           01   Tenant resource group 2
Policy                01   ROCKET01
MaxSU                 01   1000
MemLimit              01   1GB
PolicyDescription     01   Rocket Software Policy 01
PolicyActDate         01   02/11/2020 18:59:59
CrUser                01   TS5485
CrDate                01   02/11/2020 18:58:48
UpdUser               01   TS5485
UpdDate               01   02/11/2020 18:58:48
SysName               01   RS86
SysLevel              01
Tenant                01   YES
InclSpec              01   NO
TenantID              01   TENID2
TenantName            01   Tenant 2
SolutionID            01   Z111111-N22887C-1277E51877-NTZZZZZZ-9B62-493A-A6D0
                           -577B48-C5
*************************** Bottom of data ***************************
```

Tenant Support

SRVC – WLM Service Classes

```
_  Display  Filter  View  Print  Options  Search  Help
------------------------------------------------------------------------------
SDSF SERVICE CLASSES   RS86         ROCKET01                    LINE 1-25 (27)
COMMAND INPUT ===>                                             SCROLL ===> HALF
PREFIX=**   DEST=(ALL)   OWNER=*   SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat
NP     NAME        ResGroup Per Description                     Duration Imp CPUCri
       ASCH                 1 APPC Transactions                          2 NO
       BATCH                1 Batch Work                                 2 NO
       CICS                 1 CICS                                       4 NO
       DAEMON               1 USS DAEMON                                 2 NO
       DB2                  1 DB2                                        1 NO
       DB2SERV              1 DB2 Servers                                4 NO
       DB2STPRO             1 DB2 Stored procedures                      3 NO
       DDF                  1 DB2 Distributed Transactions               4 NO
```

- Shows details about WLM service classes in the current policy

SRVC - Columns

```
Command ===> _____

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

/  All values          _   Column width

Column                   ##   Value
NAME                     01   BATCH
ResGroup                 01
Per                      01   1
Description              01   Batch Work
Duration                 01
Imp                      01   2
CPUCrit                  01   NO
StorProt                 01   NO
IOPrio                   01   NORMAL
HonorPrio                01   DEFAULT
MaxPer                   01   1
WorkLoad                 01   BATCH
Goal                     01   Execution velocity of 50
TranSSUse                01   NO
AddrSpcSSUse             01   YES
EncSSUse                 01   NO
SysHUse                  01   NO
CrUser                   01   PDSHAN
CrDate                   01   10/08/2003 07:55:06
UpdUser                  01   PDSHAN
UpdDate                  01   12/17/2003 09:13:37
Policy                   01   ROCKET01
```

WKLD – WLM Workload

```
 Display  Filter  View  Print  Options  Search  Help
-----------------------------------------------------------------------------
SDSF WORKLOAD DISPLAY   RS86      ROCKET01                  LINE 1-13 (13)
COMMAND INPUT ===>                                          SCROLL ===> HALF
PREFIX=**   DEST=(ALL)   OWNER=*   SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat
NP     NAME        Description                           Policy      PolicyDescription
       ASCH        APPC                                  ROCKET01 Rocket Software Policy
       BATCH       Batch Workload                        ROCKET01 Rocket Software Policy
       CICS        CICS                                  ROCKET01 Rocket Software Policy
       DB2         DB2 Work                              ROCKET01 Rocket Software Policy
       DB2SERV     DB2 Servers                           ROCKET01 Rocket Software Policy
       DDF         Distributed DB2                       ROCKET01 Rocket Software Policy
       IMS         IMS                                   ROCKET01 Rocket Software Policy
       IWEB        HTTP Server, Fast Resp Cache Acc      ROCKET01 Rocket Software Policy
       SOAKER      Bottom of the Barrel                  ROCKET01 Rocket Software Policy
       STC         Started Tasks                         ROCKET01 Rocket Software Policy
       SYSTEM      THE SYSTEM WORKLOAD                   ROCKET01 Rocket Software Policy
```

- Show workloads in the current WLM policy

WKLD - Columns

```
                              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
NAME                     01   ASCH
Description              01   APPC
Policy                   01   ROCKET01
PolicyDescription        01   Rocket Software Policy 01
PolicyActDate            01   06/21/2018 10:13:46
CrUser                   01   PDSHAN
CrDate                   01   04/30/2007 12:17:29
UpdUser                  01   PDSHAN
UpdDate                  01   04/30/2007 12:17:29
SysName                  01   RS86
SysLevel                 01   z/OS 02.04.00 HBB77C0
.END                     01   **End of List**
******************************** Bottom of data ********************************
```

WLM – Current WLM Policy

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------
SDSF WLM POLICY DISPLAY   RS86        ROCKET01              LINE 1-10 (10)
COMMAND INPUT ===>                                          SCROLL ===> HALF
PREFIX=**   DEST=(ALL)   OWNER=*   SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat
NP    NAME                             Value                DateValu
      ACTIVE POLICY                    ROCKET01
      POLICY DESCRIPTION               Rocket Software Policy 01
      ACTIVATION SYSTEM                RS88
      ACTIVATION USERID                PDSCOT
      ACTIVATION DATE                                       06/21/20
      SERVICE DEFINITION               Rocket01
      SERVICE DEFINITION DESC          Rocket Policy 01
      INSTALLATION SYSTEM              RS88
      INSTALLATION USERID              PDSCOT
      INSTALLATION DATE                                     06/21/20
```

- Show details from current WLM policy

XCFM – XCF Groups and Members

```
 Display  Filter  View  Print  Options  Search  Help
-----------------------------------------------------------------
SDSF XCF MEMBERS DISPLAY   RS86                          LINE 1-24 (96)
COMMAND INPUT ===>                                       SCROLL ===> HALF
PREFIX=**  DEST=(ALL)  OWNER=*   SYSNAME=*
ACTION=+-Extend,/-Show,//-Block,%-RunExec,=-Repeat,D-Display,DA-DisplayAll,
ACTION=DG-DisplayGroup
NP    NAME       Member            Status   SysName  JobName  Stalled   Sends Rece
      COFVLFNO   RS86              ACTIVE   RS86     VLF      NO             0
      EZBTCPCS   RS86TCPIP         ACTIVE   RS86     TCPIP    NO             0
      HSFIXC     HSF@RS86          ACTIVE   RS86     SDSFAUX  NO             0
      IGG0CAS    IGG0CAS1RS86      ACTIVE   RS86     CATALOG  NO             0
      IGG0CAS    IGG0CAS1RS87      FAILED   RS87     CATALOG  NO             0
      IOEZFS     RS86              ACTIVE   RS86     ZFS      NO             0
      ISTCFS01   RS86SSCPROCKNET1  ACTIVE   RS86     VTAM     NO             0
      ISTXCF     RS86SSCPROCKNET1  ACTIVE   RS86     VTAM     NO             0
      IXCLO002   M693              ACTIVE   RS86     GRS      NO             0
      MXXDSG2C   MXI@RS86          ACTIVE   RS86     MXIMAST  NO             0
      N1         MSCBUFF$RS85      FAILED   RS85     JESXCF   NO             0
```

- Lists all XCF members and groups in the sysplex
- Actions available
  - display, display all, display group

XCFM - Columns

```
                              Show Columns                    Row 1 to 22 of 23
Command ===> _____

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

/  All values          _    Column width

Column                ##   Value
NAME                  01   COFVLFNO
Member                01   RS86
Status                01   ACTIVE
SysName               01   RS86
JobName               01   VLF
Stalled               01   NO
Sends                 01   2
Receives              01   0
Function              01   Not Specified
CanRecv               01   YES
CanReply              01   NO
GT61KMsg              01   NO
Critical              01   NO
MemAssoc              01   TASK
TermLevel             01   TASK
Interval              01   0
StatusDate            01   03/04/2019 10:48:13.031338
JoinedDate            01   03/04/2019 10:48:13.031334
DeactDate             01   03/04/2019 08:58:21.773752
UserData              01   00000000
UserState             01   D5C56F7E2FA20F214040404040404040404040404040404040
                           40404040404040
```

NEW SECONDARY PANELS

4 New Secondary Panels

- Address Space Memory Objects
  - Accessed from DA and AS displays
- Address Space DD Names
  - Accessed from DA, AS, I, ST, NS and INIT displays
- Jobclass Members
  - Accessed from JC display
- JES Checkpoint Information
  - Accessed from the JES display

JMO - Job Memory Objects

```
 Display  Filter  View  Print  Options  Search  Help
 -----------------------------------------------------------------------
 SDSF DA RS86        (ALL)       PAG  0  CPU    8              LINE 31-56 (128)
 COMMAND INPUT ===>                                            SCROLL ===> HALF
 PREFIX=** DEST=(ALL)  OWNER=*   SYSNAME=*
 NP   JOBNAME   StepName ProcStep JobID     Owner      C Pos DP Real Paging    SIO
      HZR       HZR      IEFPROC                        NS  FE 365   0.00      0.00
 jmo  JES2      JES2     IEFPROC                        NS  FE 9840  0.00      0.00
      VLF       VLF      VLF                            NS  FE 3531  0.00      0.00
```

```
 Display  Filter  View  Print  Options  Search  Help
 -----------------------------------------------------------------------
 SDSF MEMOBJ   RS86      ASID 0022 JES2                  LINE 1-15 (15)
 COMMAND INPUT ===>                                      SCROLL ===> HALF
 PREFIX=** DEST=(ALL)  OWNER=*   SYSNAME=*
 NP   TYPE    Start-Address         End-Address          Size Key Guard      FProt Sh
      PRIVATE 00000010_00000000   00000010_002FFFFF    3072K   0 DEFAULT     YES   NO
      PRIVATE 00000010_00400000   00000010_004FFFFF    1024K   1 NONE        NO    NO
      PRIVATE 00000010_00500000   00000010_006FFFFF    2048K   1 NONE        YES   NO
      PRIVATE 00000050_00000000   00000050_01DFFFFF   30720K   1 NONE        YES   NO
      PRIVATE 00000050_01E00000   00000050_01FFFFFF    2048K   1 DEFAULT     NO    NO
      PRIVATE 00000050_02100000   00000050_022FFFFF    2048K   1 DEFAULT     NO    NO
      PRIVATE 00000050_02400000   00000050_024FFFFF    1024K   1 DEFAULT     NO    NO
      PRIVATE 00000050_02600000   00000050_026FFFFF    1024K   1 DEFAULT     NO    NO
      PRIVATE 00000050_02800000   00000050_028FFFFF    1024K   1 DEFAULT     NO    NO
      PRIVATE 00000050_02A00000   00000050_02AFFFFF    1024K   1 DEFAULT     NO    NO
      PRIVATE 00000050_02C00000   00000050_337FFFFF     780M   1 NONE        NO    NO
      PRIVATE 00000050_33800000   00000050_338FFFFF    1024K   1 DEFAULT     NO    NO
      PRIVATE 00000050_33A00000   00000050_33DFFFFF    4096K   1 NONE        NO    NO
      COMMON  000001EF_87900000   000001EF_87BFFFFF    3072K   1 DEFAULT     YES   NO
```

- Shows all memory objects owned by a specific address space
- Accessed with the "JMO" action from AS or DA panel row

JMO - Columns


```
                              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
TYPE                     01   PRIVATE
Start-Address            01   00000010_00000000
End-Address              01   00000010_002FFFFF
Size                     01   3145728
Key                      01   0
Guard                    01   DEFAULT
FProt                    01   YES
Shared                   01   NO
Large                    01   NO
CrDate                   01
PgmRetAddr               01
JobName                  01   JES2
JobID                    01
ASID                     01   34
ASIDX                    01   0022
SysName                  01   RS86
SysLevel                 01   z/OS 02.04.00 HBB77C0
.END                     01   **End of List**
****************************** Bottom of data ******************************
```

JDD – Job DD Names

```
 Display  Filter  View  Print  Options  Search  Help
----------------------------------------------------------------------------
SDSF AS DISPLAY  RS86        RS86                         LINE 63-65 (65)
COMMAND INPUT ===>                                    SCROLL ===> HALF
PREFIX=**  DEST=(ALL)  OWNER=*   SYSNAME=
NP    JOBNAME   ASIDX   Real Fixed        CSA    CSA%      ECSA   ECSA%      SQA   SQA%
      SDSFKJ    0078    1355   126           0   0.00    635616   0.35         0   0.00
      SDSFAUX   0079    2603   183           0   0.00      7136   0.00        64   0.00
jdd   TS5485    007B    2663   130         160   0.00      2520   0.00        96   0.00

         Display  Filter  View  Print  Options  Search  Help
     -----------------------------------------------------------------------
     SDSF JOB DDNAME  RS86        ASID 007B TS5485    TSU01475  LINE 1-26 (37)
     COMMAND INPUT ===>                                   SCROLL ===> HALF
     PREFIX=**  DEST=(ALL)  OWNER=*   SYSNAME=
     NP    DDNAME     Seq Status     DataSetName
           ISPCTL0     1 ALLOC       TS5485.RS86.SPFTEMP0.CNTL
           ISPCTL1     1 ALLOC       TS5485.RS86.SPFTEMP1.CNTL
           ISPCTL2     1 ALLOC       TS5485.RS86.SPFTEMP2.CNTL
           ISPLOG      1 OPEN        TS5485.TS5485.TSU01475.D0000103.?
           ISPLST1     1 ALLOC       TS5485.RS86.SPFTEMP1.LIST
           ISPLST2     1 ALLOC       TS5485.RS86.SPFTEMP2.LIST
           ISPMLIB     1 OPEN        ISP.SISPMENU
           ISPPLIB     1 OPEN        RSRTE.LIBDEF.ISPPLIB
           ISPPLIB     2 OPEN        ROCKET.USER.SPFPLIB
           ISPPLIB     3 OPEN        ISP.SISPPENU
           ISPPROF     1 OPEN        TS5485.RS86.ISPPROF
           ISPSLIB     1 OPEN        ISP.SISPSLIB
           ISPSLIB     2 OPEN        ISP.SISPSENU
           ISPTABL     1 ALLOC       TS5485.RS86.ISPPROF
           ISPTLIB     1 OPEN        ISP.SISPTENU
           ISPTLIB     2 OPEN        RSRTE.LIBDEF.ISPTLIB
           ISPWRK1     1 ALLOC       TS5485.RS86.SPFTEMP1.WORK
           ISPWRK2     1 ALLOC       TS5485.RS86.SPFTEMP2.WORK
```

- Shows DD allocations for a specific address space

JDD – Job DD Names

- Subset of the JD information
  - TCP/IP and CF data not included
- Accessed with the JDD action from the AS, DA, I, ST, INIT and NS panel rows
- Can use SRCH command to locate members within the data sets shown
  - Enables easy search for member masks for ANY address space
  - Where does TSO userid IBMUSER get his ISR@PRIM panel from?
    - JDD against IBMUSER row on DA
    - SRCH ISR@PRIM
  - Where is the STC JCL for CSQ1MSTR coming from?
    - JDD against JES2 row on DA
    - SRCH CSQ1MSTR
    - …could also use SRCH on PROC display.

JDD - Columns


```
                                 Show Columns                        Row 1 to 22 of 23
Command ===> _____

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

/   All values              _   Column width

Column                      ##   Value
DDNAME                      01   ISPCTL0
Seq                         01   1
Status                      01   ALLOC
DataSetName                 01   TS5485.RS86.SPFTEMP0.CNTL
VolSer                      01   TSPG00
Unit                        01   649A
UnitCt                      01   1
RecFm                       01   FB
LRecL                       01   80
BlkSize                     01   23440
Disp1                       01   NEW
Disp2                       01   DELETE
Disp3                       01
EXCP-Cnt                    01
Open                        01
DSOrg                       01   PS
SMS                         01   YES
ConnectTime                 01   0.000
AvgConnTime                 01   0.000
APF                         01
SysName                     01   RS86
SysLevel                    01   z/OS 02.04.00 HBB77C0
```

CKPT – JES2 Checkpoint

```
 Display  Filter  View  Print  Options  Search  Help
--------------------------------------------------------------------------
SDSF JES DISPLAY  RS86      (ALL)                        LINE 1-2 (2)
COMMAND INPUT ===>                                       SCROLL ===> HALF
PREFIX=**  DEST=(ALL)  OWNER=*  SYSNAME=*
NP    NAME  Type Primary Member    Emergency ComChar  Global  OwnNode  XCFGroup S
jc    JES2 JES2 YES     RS86       HASP      $         NO      N1       RSPLEX0G A
      JES2 JES2 YES     RS88       HASP      $         NO      N1       RSPLEX0G A
```

```
 Display  Filter  View  Print  Options  Search  Help
--------------------------------------------------------------------------
SDSF JES CHECKPOINT  RS86       JESNAME JES2              LINE 1-4 (4)
COMMAND INPUT ===>                                        SCROLL ===> HALF
PREFIX=**  DEST=(ALL)  OWNER=*  SYSNAME=*
NP    NAME       Capacity Cap%  CapUsed   CapPage InUse CF  Mode    Duplex Volatile
      CKPT1      14696448   32  4808704      3588 YES   NO  DUPLEX ON      NO
      CKPT2      14696448   32  4808704      3588 YES   NO  DUPLEX ON      NO
      NEWCKPT1          0    0        0         0 NO    NO  DUPLEX ON      NO
      NEWCKPT2          0    0        0         0 NO    NO  DUPLEX ON      NO
```

- Shows JES2 checkpoint properties for a specific JES2 subsystem
- Accessed with JC action from the JES panel row

CKPT - Columns

```
                              Show Columns                    Row 1 to 22 of 22
Command ===> _____

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

/   All values          _    Column width

Column                  ##    Value
NAME                    01    CKPT1
Capacity                01    14696448
Cap%                    01    32
CapUsed                 01    4808704
CapPage                 01    3588
InUse                   01    YES
CF                      01    NO
Mode                    01    DUPLEX
Duplex                  01    ON
Volatile                01    NO
OpVerify                01    NO
Size                    01    16999200
Size%                   01    100
SizeUsed                01    16999200
SizeTrk                 01    300
StrName                 01
DataSetName             01    RSPLEXOG.HASPCKPT
VolSer                  01    JSPG00
JESName                 01    JES2
SysName                 01    RS86
SysLevel                01    z/OS 02.04.00 HBB77C0
.END                    01    **End of List**
```

JCM – Job Class Members

```
 Display  Filter  View  Print  Options  Search  Help
--------------------------------------------------------------------------
SDSF JOB CLASS DISPLAY ALL CLASSES                    LINE 1-26 (40)
COMMAND INPUT ===>                                    SCROLL ===> PAGE
PREFIX=*  DEST=(ALL)   OWNER=*   SYSNAME=*
NP    CLASS       Status    Mode   XEQ-Cnt Log    Jrnl Rst JESLog    Member    Group
i_    K           ACTIVE                   STD              NO       RS85
      7           ACTIVE               1 STD              NO       RS85


    Display  Filter  View  Print  Options  Search  Help
    ----------------------------------------------------------------------
    SDSF JOB CLASS MEMBERS    RS85        CLASS K            LINE 1-6 (6)
    COMMAND INPUT ===>                                       SCROLL ===> PAGE
    PREFIX=*  DEST=(ALL)   OWNER=*   SYSNAME=*
    NP    MEMBER     CtlClass MLimMax MLimCur SelMode   SysName
          RS85       H             20       0 JS3BATCH RS85
          RS85       L             10       0 JS3BATCH RS85
          RS86       4             15       0 JS3BATCH RS86
          RS86       7             25       1 JS3BATCH RS86
          RS87       LONGNAME      30       0 JS3BATCH RS87
          RS88       S             40       0 JS3BATCH RS88
```

- Shows members associated with a class (JES3 only)
- Accessed with the I action from the JC panel row

JCM - Columns

```
                              Show Columns                        Row 1 to 6 of 6
Command ===> _____

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

_   All values            _   Column width

Column                    ##   Value
MEMBER                    01   RS85
CtlClass                  01   H
MLimMax                   01   20
MLimCur                   01   0
SelMode                   01   JS3BATCH
SysName                   01   RS85
****************************** Bottom of data *********************************
```

MISCENLLANEOUS PANEL UPDATES

MAS – Critical Notice Indicator

- MAS panel title line shows "CRIT" when critical notice outstanding

```
   Display  Filter  View  Print  Options  Search  Help
 -------------------------------------------------------------------------
 SDSF RESOURCE ALERTS   RS86                              LINE 1-1 (1)
 COMMAND INPUT ===>                                       SCROLL ===> HALF
 PREFIX=**  DEST=(ALL)  OWNER=*   SYSNAME=
 NP    TYPE     Member    MessageLine1
       NOTICE   RS86      $HASP9159 JES2 EXECUTION PROCESSING STOPPED ($PXEQ)


   Display  Filter  View  Print  Options  Search  Help
 -------------------------------------------------------------------------
 SDSF MAS DISPLAY RS86       RSPLEXOG    65%           CRIT    LINE 1-6 (6)
 COMMAND INPUT ===>                                       SCROLL ===> HALF
 PREFIX=**  DEST=(ALL)  OWNER=*   SYSNAME=
 NP    NAME Status      SID PrevCkpt      Hold  ActHold Dormancy    ActDorm SyncT
       RS85 DRAINED       1     0.00         0        0 (0,0)             0
       RS86 ACTIVE,PXEQ   2     0.93        20       20 (100,500)       500      1
       RS87 DRAINED       3     0.00         0        0 (0,0)             0
       RS88 ACTIVE        4     0.08        20       20 (100,500)       500      1


 Column            ##    Value
 Boss              O1    YES
 Command           O1    $PXEQ
 Start-Type        O1    QUICK
 Start-Date-Time   O1    03/04/2019 10:48:14
 CkptLevel         O1    Z22
 Alert-Types       O1    CRITICAL-NOTICE
 .END              O1    **End of List**
```

New Columns On Existing Panels

Panel	Column Name	Column Title	Description
CDE	CDATTR3	Attr3	CSVINFO attribute byte 3
CDE	CDATTR4	Attr4	CSVINFO attribute byte 4
CSR	HVCOM	HVComUsed	64-bit common not released (bytes)
DA	ESRBTIME	ESRB-Time	Enclave CPU time
DA	CPULIMIT	CPU-Limit	CPU time limit
DA	REUS	Reus	Reusable address space (yes or no)
DA	SYSLEVEL	SysLevel	Level of the operating system
H	JOBCRDATE	JobCrDate	Job creation date (JES2 only)
I	JOBCRDATE	JobCrDate	Job creation date (JES2 only)
JC	SYSNAME	SysName	System name for member (JES3 only)
JC	SELMODE	SelMode	Selection mode name (JES3 only)

Orphaned HVCommon

New Columns On Existing Panels (continued)

Panel	Column Name	Column Title	Description
JDD	APF	APF	APF indicator for loadlibs (yes or no)
JDS	COMPRESS	Compressed	Compression status (yes or no)
JDS	ENCRYPT	Encyrpted	Encryption status (yes or no)
JDS	KEYLABEL	KeyLabel	Keylabel for encryption
JS	TIOTHWM	TIOTHWM	High water mark for TIOT entries used (bytes)
JS	TIOTUSED	TIOTUsed	Current TIOT space used for entries (bytes)
JS	TIOTAVAIL	TIOTAvail	Size of TIOT available for entries (bytes)
MAS	CKPTLEV	CkptLevel	JES2 checkpoint level ($activate level)
MAS	ALERT	Alert-Types	Types of alert messages outstanding (JES2 only)
O	JOBCRDATE	JobCrDate	Job creation date (JES2 only)
PAG	UNIT	Unit	Data set unit address

Spool Encryption

TIOT monitoring

New Columns On Existing Panels (continued)

Panel	Column Name	Column Title	Description
PAG	DEVNAME	DevName	Data set device name
PAG	CUNAME	CUName	Data set control unit name
PAG	SUBCHAN	SubChanSet	Data set subchannel set
PS	ZIIPTIME	zIIP-Time	System and user compute time on zIIP
PS	RUID	RUID	Process real user ID
PS	EUID	EUID	Process effective user ID
RM	SCOPE	Scope	Resource scope (local or JESPLEX)
ST	JOBCRDATE	JobCrDate	Job creation date (JES2 only)
SYS	JESTYPE	JESType	JES type for primary JES (JES2 or JES3)

New Actions On Existing Panels

Panel	Action Character	Description
APF	SV	ISPF view
AS	JMO	Display memory objects owned by the job. Access JMO panel.
AS	N	Display enqueues
CK	SV	ISPF view
CKH	SV	ISPF view
DA	JMO	Display memory objects owned by the job. Access JMO panel.
DA	SV	ISPF view
H	SV	ISPF view
I	SV	ISPF view
JC	I	Member information. Access Job Class Members panel. (JES3 only)
JDS	SV	ISPF view

New Actions On Existing Panels (continued)

Panel	Action Character	Description
JG	SV	ISPF view
JO	SV	ISPF view
LNK	SV	ISPF view
LPA	SV	ISPF view
O	SV	ISPF view
OD	SV	ISPF view
PARM	SV	ISPF view
PROC	SB	ISPF browse data set
PROC	SE	ISPF edit data set
PROC	SV	ISPF view data set
SRCH	SV	ISPF view

New Actions On Existing Panels (continued)

Panel	Action Character	Description
ST	SV	ISPF view
STEP	SV	ISPF view

USABILITY ENHANCEMENTS

SRCH Command Enhancements

- SRCH command used to locate members on panels with lists of data sets
  - APF, LNK, LPA, PARM, PROC and now JDD

- New parameter to limit rows shown
  - All data sets searched (ALL)
  - Data sets for which member was found (F)
  - Data sets for which member was not found (NF)

- Syntax
  - SRCH member-pattern [F | NF | ALL]

- Default action can be controlled through new SET SRCH command
  - SET SRCH [F | NF | ALL]

SRCH Command – All

```
   Display  Filter  View  Print  Options  Search  Help
---------------------------------------------------------------------
SDSF PARMLIB DISPLAY   RS86        RS86          EXT      33       LINE 1-5 (5)
COMMAND INPUT ===> srch isfprm*_                                 SCROLL ===> PAGE
PREFIX=**  DEST=(ALL)  OWNER=*  SYSNAME=
NP    DSNAME                    Seq VolSer BlkSize Extent SMS LRecL DSOrg RecFm Cr
      RSPLEXOG.PARMLIB.ZOS204    1  MCPG00   27920       1  NO    80  PO     FB   20
      RSPLEXOG.PARMLIB           2  MCPG00   27920      14  NO    80  PO     FB   20
      RSRTE.PARMLIB              3  R3P104   27920       1  YES   80  PO     FB   20
      ROCKET.USER.PARMLIB        4  S1PG00   27920      16  YES   80  PO     FB   20
      SYS1.PARMLIB               5  RP204B   27920       1  NO    80  PO     FB   20
```

```
   Display  Filter  View  Print  Options  Search  Help
---------------------------------------------------------------------
SDSF SRCH DISPLAY   ISFPRM*    ALL                                  LINE 1-5 (5)
COMMAND INPUT ===>                                              SCROLL ===> PAGE
PREFIX=**  DEST=(ALL)  OWNER=*  SYSNAME=
NP    DSNAME                    SysName   Seq VolSer Status          DSOrg BlkSize
      RSPLEXOG.PARMLIB.ZOS204   RS86        1  MCPG00 FOUND            PO    27920
      RSPLEXOG.PARMLIB          RS86        2  MCPG00 NOT FOUND        PO    27920
      RSRTE.PARMLIB             RS86        3  R3P104 FOUND            PO    27920
      ROCKET.USER.PARMLIB       RS86        4  S1PG00 FOUND            PO    27920
      SYS1.PARMLIB              RS86        5  RP204B NOT FOUND        PO    27920
```

SRCH Command – Only Found

```
 Display  Filter  View  Print  Options  Search  Help
--------------------------------------------------------------------------
SDSF PARMLIB DISPLAY  RS86        RS86         EXT     33      LINE 1-5 (5)
COMMAND INPUT ===> srch isfprm* f                            SCROLL ===> PAGE
PREFIX=**  DEST=(ALL)  OWNER=*  SYSNAME=
NP   DSNAME                       Seq VolSer BlkSize Extent SMS LRecL DSOrg RecFm Cr
     RSPLEXOG.PARMLIB.ZOS204       1 MCPG00   27920      1 NO    80  PO    FB    20
     RSPLEXOG.PARMLIB              2 MCPG00   27920     14 NO    80  PO    FB    20
     RSRTE.PARMLIB                 3 R3P104   27920      1 YES   80  PO    FB    20
     ROCKET.USER.PARMLIB           4 S1PG00   27920     16 YES   80  PO    FB    20
     SYS1.PARMLIB                  5 RP204B   27920      1 NO    80  PO    FB    20
```

```
 Display  Filter  View  Print  Options  Search  Help
--------------------------------------------------------------------------
SDSF SRCH DISPLAY  ISFPRM*    FOUND                         LINE 1-3 (3)
COMMAND INPUT ===>                                          SCROLL ===> PAGE
PREFIX=**  DEST=(ALL)  OWNER=*  SYSNAME=
NP   DSNAME                       SysName  Seq VolSer Status          DSOrg BlkSize
     RSPLEXOG.PARMLIB.ZOS204      RS86       1 MCPG00 FOUND           PO    27920
     RSRTE.PARMLIB                RS86       3 R3P104 FOUND           PO    27920
     ROCKET.USER.PARMLIB          RS86       4 S1PG00 FOUND           PO    27920
```

ARRANGE – Hide Columns

- Hide columns on panels using ARRANGE command
  - Reduces LEFT/RIGHT scrolling
  - Remember : can use "/" show action to zoom into single row

- New special column name .END
  - Marks end of visible columns
  - All columns positioned before .END will be shown on panel
  - All columns after .END will not be shown

- Examples:
  - ARR .END A SAFF   (All columns after SAFF will be hidden)
  - ARR .END LAST   (All columns will be shown)
  - ARR DEFAULT   (Reset to supplied defaults)
  - ARR ?   (Show ARRANGE pop-up dialog)

ARRANGE – Hide Columns

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------
SDSF STATUS DISPLAY ALL CLASSES                              LINE 1-26 (1032)
COMMAND INPUT ===> arr .end a saff                           SCROLL ===> PAGE
PREFIX=**   DEST=(ALL)   OWNER=*   SYSNAME=
NP    JOBNAME   JobID     Owner     Prty Queue        C    Pos  SAff   ASys Status
      MNTWTOR   JOB00665  SUBJCL       9 EXECUTION    A         RS87
      MNTWTOR   JOB01664  SUBJCL       9 EXECUTION    A         RS87
      TS5485W   JOB04866  TS5485       9 EXECUTION    7      1  RS86
      TS5485W1  JOB04868  TS5485       9 EXECUTION    7      2  RS86
      TS5485W2  JOB04869  TS5485       9 EXECUTION    7      3  RS86
      TS5485W3  JOB04870  TS5485       9 EXECUTION    7      4  RS86
      TS5485W   JOB01289  TS5485       9 EXECUTION    7      5  RS88
```

```
 Display  Filter  View  Print  Options  Search  Help
-------------------------------------------------------------------------
SDSF STATUS DISPLAY ALL CLASSES                              LINE 1-26 (1032)
COMMAND INPUT ===>                                           SCROLL ===> PAGE
PREFIX=**   DEST=(ALL)   OWNER=*   SYSNAME=
NP    JOBNAME   JobID     Owner     Prty Queue        C    Pos  SAff
      MNTWTOR   JOB00665  SUBJCL       9 EXECUTION    A         RS87
      MNTWTOR   JOB01664  SUBJCL       9 EXECUTION    A         RS87
      TS5485W   JOB04866  TS5485       9 EXECUTION    7      1  RS86
      TS5485W1  JOB04868  TS5485       9 EXECUTION    7      2  RS86
      TS5485W2  JOB04869  TS5485       9 EXECUTION    7      3  RS86
      TS5485W3  JOB04870  TS5485       9 EXECUTION    7      4  RS86
      TS5485W   JOB01289  TS5485       9 EXECUTION    7      5  RS88
```

Columns hidden

ARRANGE – Hide Columns Pop-up

```
 Display  Filter  View  Print  Options  Search  Help
 -----------------------------------------------------------------------------
 SDSF STATUS DISPLAY ALL CLASSES                        LINE 1-26 (1143)
 COMMAND INPUT ===> arr ?                               SCROLL ===> PAGE
 PREFIX=**  DEST=(ALL)  OWNER=*   SYSNAME=
 NP      JOBNAME  JobID     Owner     Prty Queue       C    Pos SAff
         MNTWTOR  JOB00665  SUBJCL       9 EXECUTION    A        RS87
         MNTWTOR  JOB01664  SUBJCL       9 EXECUTION    A        RS87
         TS5485W  JOB04866  TS5485       9 EXECUTION    7      1 RS86
```

```
        Display  Filter   View  Print  Options  Search  Help
        -----------------------------------------------------------------------
        SDSF STATUS  |                         Arrange           Row 1 to 10 of 58
        COMMAND INPU |  Command ===> _____
        PREFIX=**   D|
        NP      JOBNAME |  To move a column, select with / (// for a block), then type A
                MNTWTOR |  (after) or B (before). Special function keys:
                MNTWTOR |  F5/17=Refresh list  F11/23=Clear input  F6/18=Default order
                TS5485W |
                TS5485W |     NP width                 __         Current width: 4
                TS5485W |
                TS5485W |     Column               Width    Description
                TS5485W |     JobID                   8
                PDSCOT  | __  Owner                   8
                TS6106  | __  Prty                    4
                TS6106  | __  Queue                  10
                TS5485  | __  C                       1
                SYSLOG  | __  Pos                     5
                VTAM    | __  SAff                    5
                HZSPROC | b   .END                    4         **End of List**
                INIT    | /   ASys                    4
                INIT    | __  Status                 17
                INIT    |---------------------------------------------------------------
```

Fixed Field Point-and-Shoot (FFPS)

- Fixed field is the leftmost column next to NP that does not move when scrolling horizontally
- FFPS designed as convenient way to access the most common secondary panel associated with the row
  - Just place cursor on fixed field and press enter (or click mouse)
  - Example : ST→JDS→Spool browse
- Fixed field rendered in TURQ when FFPS active
  - Some users interpreted this as row-highlighting
- New option on SET FFPS command
  - **SET FFPS [ON|HIDE|OFF|?]**
- SET FFPS HIDE still allows point-and-shoot action
  - Fixed field rendering conditioned on row highlighting

SET FFPS HIDE

```
 Display  Filter  View  Print  Options  Search  Help
 ----------------------------------------------------------------------
 SDSF STATUS DISPLAY ALL CLASSES                          LINE 1-26 (1032)
 COMMAND INPUT ===> set ffps hide                          SCROLL ===> PAGE
 PREFIX=**  DEST=(ALL)   OWNER=*    SYSNAME=
 NP   JOBNAME    JobID      Owner     Prty Queue       C    Pos SAff
      MNTWTOR    JOB00665   SUBJCL       9 EXECUTION    A        RS87
      MNTWTOR    JOB01664   SUBJCL       9 EXECUTION    A        RS87
      TS5485W    JOB04866   TS5485       9 EXECUTION    7      1 RS86
      TS5485W1   JOB04868   TS5485       9 EXECUTION    7      2 RS86
      TS5485W2   JOB04869   TS5485       9 EXECUTION    7      3 RS86
      TS5485W3   JOB04870   TS5485       9 EXECUTION    7      4 RS86
      TS5485W    JOB01289   TS5485       9 EXECUTION    7      5 RS88
```

```
 Display  Filter  View  Print  Options  Search  Help
 ----------------------------------------------------------------------
 SDSF STATUS DISPLAY ALL CLASSES                      SET COMMAND COMPLETE
 COMMAND INPUT ===>                                        SCROLL ===> PAGE
 PREFIX=**  DEST=(ALL)   OWNER=*    SYSNAME=
 NP   JOBNAME    JobID      Owner     Prty Queue       C    Pos SAff
      MNTWTOR    JOB00665   SUBJCL       9 EXECUTION    A        RS87
      MNTWTOR    JOB01664   SUBJCL       9 EXECUTION    A        RS87
      TS5485W                                           7      1 RS86
      TS5485W1                                          7      2 RS86
      TS5485W2                                          7      3 RS86
      TS5485W3   JOB04870   TS5485       9 EXECUTION    7      4 RS86
      TS5485W    JOB01289   TS5485       9 EXECUTION    7      5 RS88
```

FFPS attributes hidden

Rename SLASH command (/) Groups

- System command extension panel (/ pop-up)
  - Used to classify and display slash command groups

- Once command is grouped
  - Command can be deleted
  - Command can be added to another group

- Now can rename one command group to another
  - If command does not exist in the target group or the target group does not exist
    - Command will be MOVED to new group
  - If command exists in the target group
    - Comment appended to the target command
    - Source command will be removed from the old group

Rename SLASH Command Groups

```
 Display  Filter  View  Print  Options  Search  Help
------------------------------------------------------------------------
SDSF MENU V2R4M0      RSPLEXOG   RS86                    LINE 1-26 (63)
COMMAND INPUT ===> /                                     SCROLL ===> PAG
PR  .-------------------------------------------------------------------.
NP  |    Edit   Options   Help                                          |
    | .------------------------------.  ------------------------------  |
    | |  2  1. Clear...              |  em Command Extension            |
    |    _   2. Rename group...      |                                  |
    | '------------------------------'                                  |
    | ===>                                                              |
    |                                                      STORELIMIT   |
    | Comment                                                           |
    |                                                                   |
```

```
 Display  Filter  View  Print  Options  Search  Help
------------------------------------------------------------------------
SDSF MENU V2R4M0      RSPLEXOG   RS86                    LINE 1-26 (63)
COMMAND INPUT ===> /                                     SCROLL ===> PAGE
PR  .-------------------------------------------------------------------.
NP  |    Edit   Options   Help                                          |
    | - .---------------------------------------.  -------------------  |
    |   |       Rename Slash Command Group       |                   |  |
    | = |                                        |                   |  |
    | = |  Type the old and new group names.     |                   |  |
    |   |                                        |                   |  |
    |   |  Old group name . . . . _____   |       STORELIMIT  |  |
    | C |  New group name . . . . _____   |                   |  |
    |   |                                        |                   |  |
    | G |                                        |  (F4 for list)    |  |
    |   |  F1=Help  F4=Prompt  F12=Cancel        |          More:  + |  |
    | = '---------------------------------------'                    |  |
    | => D PROG,LNKLST                                                  |
```

ISPF VIEW Action

- All panels implementing ISPF edit and browse (SE and SB) now support ISPF view
  - SV action character
  - Very similar to ISPF edit
- ISPF view also supported on SNAP command
  - SNAP [S|SB|SE|SV]
  - Control default using SET SNAP command

Data Set Display - SHORT

- Data set attributes shown on APF, LNK, LPA, PARM, and PROC panels
  - Obtained through catalog lookup and reading the VTOC
  - Can be time consuming based on number of data sets shown
- New S | SHORT parameter added to command
  - APF [S|SHORT]
  - LNK [S|SHORT]
  - LPA [S|SHORT]
  - PARM [S|SHORT]
  - PROC [S|SHORT]
- Columns not retrieved in short mode:
  - VolSer, Status, BlkSize, Extent, SMS, LRecL, DSOrg, RecFm, CrDate, RefDate

Data Set Display - SHORT

```
  Display  Filter  View  Print  Options  Search  Help
--------------------------------------------------------------------
SDSF LNK DISPLAY  RS86        RS86        EXT      62            LINE 1-26 (47)
COMMAND INPUT ===> lnk s                                      SCROLL ===> PAGE
PREFIX=**  DEST=(ALL)  OWNER=*  SYSNAME=
NP    DSNAME                    Seq VolSer BlkSize Extent SMS APF LRecL DSOrg
      SYS1.LINKLIB               1 RP204B   32760       1 NO  YES     0 PO
      SYS1.MIGLIB                2 RP204B   32760       1 NO  YES     0 PO
      SYS1.CSSLIB                3 RP204B   32760       1 NO  YES     0 PO
      SYS1.SIEALNKE              4 RP204B   32760       1 NO  NO      0 PO-E
      SYS1.SIEAMIGE              5 RP204B   32760       1 NO  NO      0 PO-E
```

```
  Display  Filter  View  Print  Options  Search  Help
--------------------------------------------------------------------
SDSF LNK DISPLAY  RS86        RS86         *EXT       0
COMMAND INPUT ===>                                              PAGE
PREFIX=**  DEST=(ALL)  OWNER=*  SYSNAME=
NP    DSNAME                    Seq VolSer BlkSize Extent SMS APF LRecL DSOrg
      SYS1.LINKLIB               1                     0      0 NO      0
      SYS1.MIGLIB                2                     0      0 NO      0
      SYS1.CSSLIB                3                     0      0 NO      0
      SYS1.SIEALNKE              4                     0      0 NO      0
      SYS1.SIEAMIGE              5                     0      0 NO      0
```

Extent count unavailable in SHORT mode

ABOUT command

- Copyright notice no longer shown on entry to SDSF
- Use new ABOUT command to display copyright notice

```
 Display  Filter  View  Print  Options  Search  Help
----------------------------------------------------    ------ -----
DSF MENU V2R4M0      RSPLEX0G    RS86          | 11  1. Extended help... |
OMMAND INPUT ===>                              |     2. Keys help...     | PAGE
REFIX=**  DEST=(ALL)  OWNER=*  SORT=NAME/A  S  |     3. Help Index...    |
P    NAME      Description            Group    |     4. Tutorial...      |
     APF       APF data sets          System   |     5. Book...          |
     AS        Address space memory   Jobs     |     6. Web sites...     |
     BPXO      OMVS options           OMVS     |     7. REXX generation  |
     CFC       CF Connections         Sysplex  |     8. REXX examples    |
     CFS       CF Structures          Sysplex  |     9. REXX help...     |
     CK        Health checker         System   |    10. Columns help...  |
     CSR       Common storage remaining Memory |    11. About...         |
     DA        Active users           Jobs     ---------------------------
     DEV       Device activity        Devices
```

Column Formatting Changes

- Zero value low-lighting
  - Numeric values of zero are now low-lighted independently of row highlighting
  - Only occurs when panel field definition defines zero as not significant
- Automatic right justification for numeric column titles
  - Removes need to define column titles with leading blanks to force alignment is ISFPRMxx FLDENT statements :
    - `FLDENT COLUMN(CPUPR) TITLE('   CPU%')`   No longer needed
  - Survives any ARRANGE command that alters the column width
- Custom properties available to restore previous behaviour

Column Formatting Changes


```
 Display   Filter   View   Print   Options   Search   Help
--------------------------------------------------------------------------------
SDSF DA RS88       RS88        PAG   0  CPU    0                 LINE 1-37 (65)
COMMAND INPUT ===>  _                                           SCROLL ===>
PREFIX=*   DEST=(ALL)   OWNER=*   SORT=JOBNAME/A   SYSNAME=
NP   JOBNAME    Real Paging       SIO    CPU% ASID ASIDX   EXCP-Cnt      JCPU-Time
     *MASTER*  3478   0.00      0.01    0.96     1 0001      20817        390.52
     ALLOCAS   2639   0.00      0.00    0.00    22 0016          9          0.00
     ANTAS000  1591   0.00      0.00    0.00    13 000D        428          0.10
     ANTMAIN   1690   0.00      0.00    0.01    12 000C        865          5.04
     APPC      1103   0.00      0.00    0.04   104 0068        167         17.48
     ASCH       395   0.00      0.00    0.01   105 0069         71          3.75
     AXR        615   0.00      0.00    0.00    25 0019       1428          0.07
     AXR04      538   0.00      0.00    0.00    37 0025        142          0.02
     BPXOINIT   356   0.00      0.00    0.01   133 0085         19          5.84
     CATALOG   1522   0.00      0.18    0.09    40 0028     106079         39.93
```

QUERY AUTH

- Query Auth command lists all commands for which user is authorized
  - Typically used in SDSF/REXX execs to determine available functionality

- Now includes slash command
  - Previously omitted because slash could be authorized based on SAF or in non-SAF case by command level (cmdlev)

```
 Display  Filter  View  Print  Options  Search  Help
 --------------------------------------------------------------------------------
 SDSF MENU V2R4M0        RSPLEX0G    RS86                              LINE 1-26 (63)
 COMMAND INPUT ===> query auth                                     SCROLL ===> PAGE
 AUTH=ABEND,ACTION,APF,AS,BPXO,CFC,CFS,CK,CSR,DA,DEST,DEV,DIAG,DYNX,EMCS,ENC,
 AUTH=ENQ,ENQC,ENQD,FINDLIM,FS,GT,H,I,INIT,INPUT,JC,JG,JP,JO,LINES,LNK,LOG,LPA,
 AUTH=LPD,MAS,NA,NC,NODES,NS,O,OWNER,PAG,PAGE,PARM,PR,PREFIX,PROC,PS,PUN,RDR,
 AUTH=REPC,RES,RGRP,RM,RMA,RSYS,SE,SLASH,SMSG,SMSV,SO,SP,SR,SRVC,SSI,ST,SYM,
 AUTH=SYS,SYSID,SYSNAME,SYSTEM,TRACE,ULOG,VMAP,WKLD,WLM,XCFM
```

WHO Command

- New emergency subsystem indicator when user is logged in to emergency JES2 subsystem
  - Also shown on JES panel Emergency column


```
 Display  Filter  View  Print  Options  Search  Help
 ------------------------------------------------------------------------------
 SDSF MENU V2R4M0      RSPLEX0G   RS86                         LINE 1-26 (63)
 COMMAND INPUT ===>                                           SCROLL ===> PAGE
 USERID=TS5485,PROC=ROCKPROC,TERMINAL=S86TCP02,GRPINDEX=1,GRPNAME=ISFSPROG,
 MVS=z/OS 02.04.00,JES=z/OS 2.4,SDSF=HQX77C0,ISPF=7.4,RMF/DA=HSF,SERVER=YES,
 SERVERNAME=SDSF,JESNAME=HASP/E,MEMBER=RS86,JESTYPE=JES2,SYSNAME=RS86,
 SYSPLEX=RSPLEX0G,COMM=NOTAVAIL,COMMX=ENABLED,JOBID=TSU02225
      BPX0         OMVS options               OMVS
      CFC          CF Connections             Sysplex
```

New Special DD Names

- SDSF security trace (sectrace) is a diagnostic aid used to assist in defining security profiles
  - Sectrace writes messages to ULOG or as WTP
  - Controlled with SET SECTRACE command or through invocation options on SDSF command
  - In SDSF/REXX, typically the script is modified to add the ISFSECTRACE special variable
- New special DD names to control sectrace
  - **ISFSECTR**   equivalent to `set sectrace on`
  - **ISFSECTW**   equivalent to `set sectrace wtp`
- Example:
  - `alloc fi(isfsectr) dummy reus`

SDSF REXX ENHANCEMENTS

SDSF REXX – Special DD Name

- Debugging SDSF/REXX execs may include
  - Adding verbose option to SDSF commands (e.g. ISFEXEC and ISFACT)
  - Printing isfmsg2 stem variable
  - Displaying WHO command response
  - This usually means updating the exec

- New special ddname **ISFRXDBG** will do this without need for modifying the exec:
  - TSO foreground :　　　`alloc fi(isfrxdbg) dummy reus`
  - Batch JCL :　　　`//ISFRXDBG DD DUMMY`
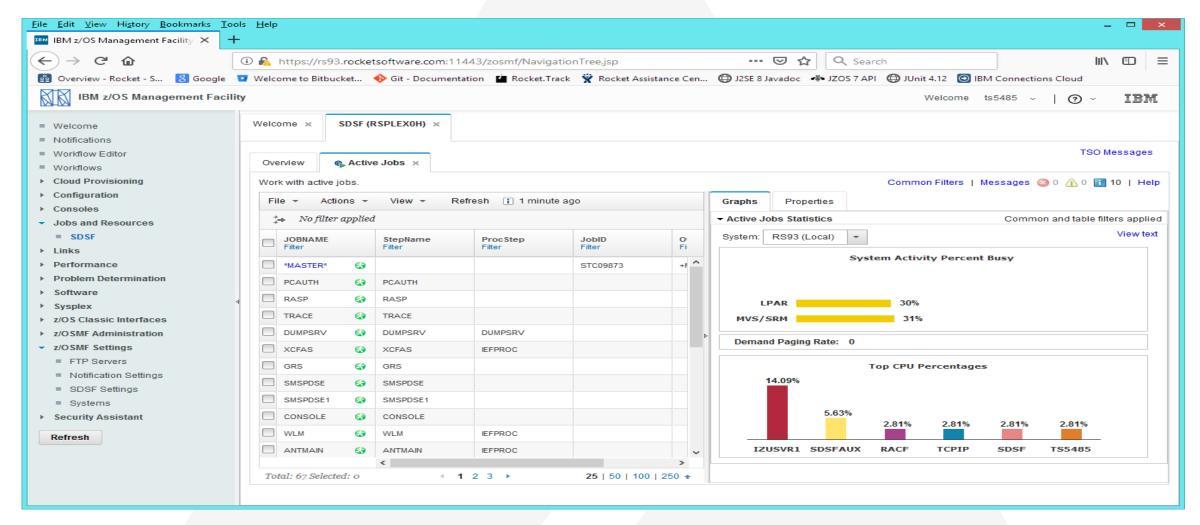
ZOSMF ENHANCEMENTS

z/OSMF – Usability Improvements

- Reduced scrolling

- Apply/Cancel/Refresh buttons moved to menu bar

- Header lines consolidated to reclaim window space

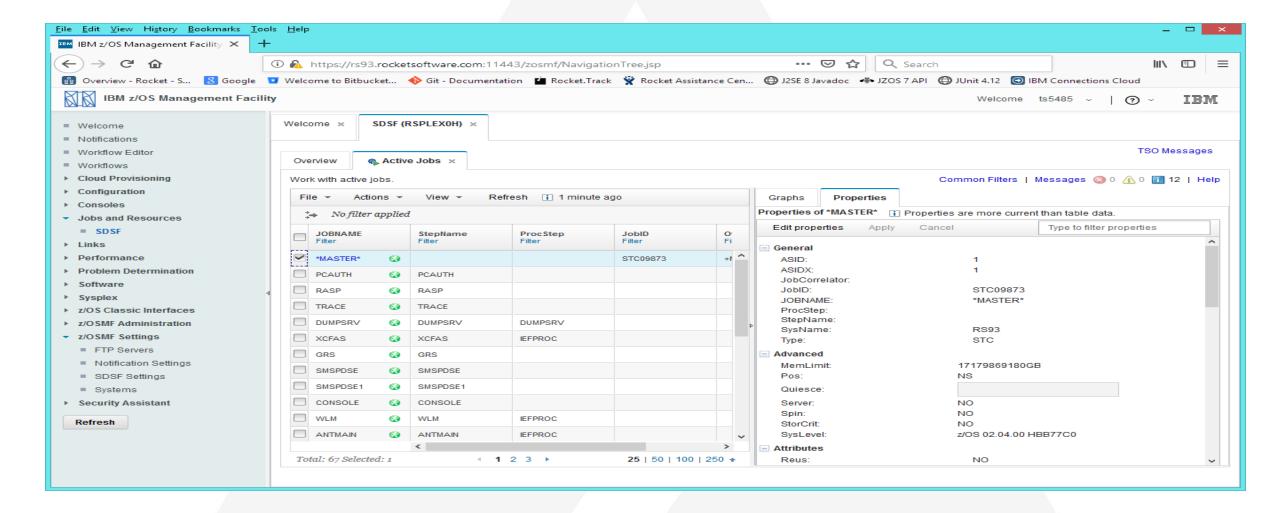- Panel graphics moved to tab next to property sheet

z/OSMF – New look

z/OSMF – New Look

INSTALLATION AND CONFIGURATION

Migration And Coexistance Considerations

- Toleration Support
  - APARs PI97517, PH04841 and PH10440
  - Apply any time after PTFs available

- Migration Support
  - Special DD name ISFMIGDA to restore former DA implementation
    - SDSF 2.4 collects DA information in SDSFAUX rather than collecting in the SDSF user address space
  - Old-style ISFPARMS must be reassembled with 2.4 macros
    - Cannot be shared with previous levels
    - Consider moving to ISFPRMxx PARMLIB statements

- Coexistance Support
  - None (SDSF 2.4 is compatible with SDSF 2.3 and 2.2)

Installation Considerations

- New function requires SDSF and SDSFAUX address spaces
    - If you are not starting the SDSF address space, **DO IT NOW !!!**
    - **Please re-read the bullet above!**

- If you are using old style ISFPARMS (assembler macros), please convert to ISFPRMxx
    - Run utility ISFACP to create an ISFPRMxx from your ISFPARMS
    - If you are not using ISFPRMxx, please convert and **DO IT NOW !!!**
    - **Please re-read the bullet above!**

Installation Reminders

- If you are not starting SDSF address space
  - Copy ISF.SISFJCL(SDSF) and ISF.SISFJCL(SDSFAUX) to your PROCLIB
  - Copy ISF.SISFJCL(ISFPRM00) to your PARMLIB
  - Add "S SDSF" to COMMNDxx

- SDSF class must be RACLISTed

- User must be authorized to connect to SDSF
  - Read access to ISF.CONNECT.*system* in SDSF class
  - Connection failures are tolerated but no new function will be available
    - Some existing panels have been migrated to use SDSFAUX

SDSFAUX Usage

- Panels now requiring SDSF server (and SDSFAUX)
  - CK, CKH, DA, ENC, PS, RM

- DA migration mode
  - Fallback to prior implementation provided for DA panel in event of unforeseen issues
    - Temporary
  - Allocate special DD name **ISFMIGDA**
    - alloc fi(isfmigda) dummy reus
    - //ISFMIGDA DD DUMMY
  - Generic tracker event created

Quick survey

- Are you still using ISFPARMS rather than ISFPRMxx from PARMLIB?

- Are you using the ISFUSER exit?
  - If so, are you using the "table build" exit call?

- Anyone still using the static main menu?

- Anyone using FLDLIST in ISFPRMxx to change the column title(s) ?

QUESTIONS?

Complete your session evaluations for a chance at daily prizes!

To complete, visit
www.share.org/evaluation
and see your progress on the leaderboard!

PERSON

PROGRAM

PROJECT