PDSMAN – PDSEASY

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PDSEASY

- EZYEDIT in batch

- Allows executing EZYEDIT commands in a batch job

- The next few slides
  - List and identify all EZYEDIT commands which can be executed in batch
  - Demonstrate how to code and display the results

Agenda

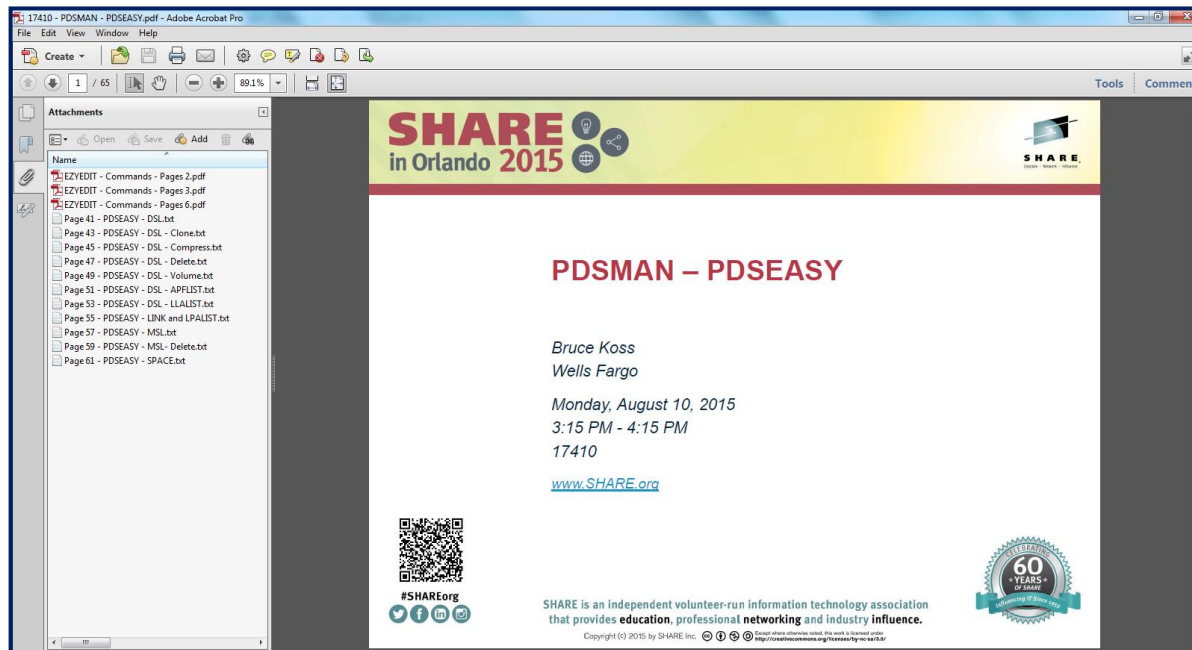| Topic	Description
JCL	PDSEASY JCL
Panels	PDSEASY panels
Dataset List (DSL)	Dataset list primary and line commands
Member List (MSL)	Member list primary and line commands
DASD Space (SPACE)	DASD space primary and line commands
Other Commands	DSL, MSL and SPACE commands
Notes	Items of interest and return codes
Examples	PDSEASY examples
Links	PDSMAN and other slide decks
Conclusion	Final comments

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Attachments (📎)

- The following attachments are included in this document:

File	Type
EZYEDIT – Commands – Pages 2	PDF
EZYEDIT – Commands – Pages 3	PDF
EZYEDIT – Commands – Pages 6	PDF
Page 41 – PDSEASY – DSL	TXT
Page 43 – PDSEASY – DSL – Clone	TXT
Page 45 – PDSEASY – DSL – Compress	TXT
Page 47 – PDSEASY – DSL – Delete	TXT
Page 49 – PDSEASY – DSL – Volume	TXT
Page 51 – PDSEASY – DSL – APFLIST	TXT
Page 53 – PDSEASY – DSL – LLALIST	TXT
Page 55 – PDSEASY – DSL – LINK and LPALIST	TXT
Page 57 – PDSEASY – MSL	TXT
Page 59 – PDSEASY – MSL – Delete	TXT
Page 61 – PDSEASY – SPACE	TXT

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Attachments (📎)

- Invoke Adobe Reader and click the 'Attachments' button on the left side of the navigational panel of the main Reader window

Disclaimers

- Must use Adobe Reader to view attachments
  - (📎) signifies attachment

- May need to adjust the Adobe Reader zoom value to view text

- Commands and screens may be slightly different depending on the operating system's version and release level
  - These commands and screen prints were executed on
    - PDSMAN/EZYEDIT V7.70 and z/OS V2R1

- Security may prevent access to panels or executing commands

- For more detailed information, please reference the following manual:
  - CA PDSMAN PDS Library Management
    - EZYEDIT User Guide
      - Chapter 15, EZYEDIT in Batch

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JCL

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- Use the following JCL to execute PDSEASY:

```
//EZYEDIT  EXEC PGM=PDSEASY
//SYSPRINT DD SYSOUT=class
//EZYPRINT DD SYSOUT=class                      (Optional DD)
//EZYLOAD  DD DISP=SHR,DSN=plist.dataset      (Optional DD)
//PDSMOUT  DD DSN=&&TEMP,DISP=(MOD,PASS),      (Optional DD)
//            SPACE=(CYL,(1,1)),
//            DCB=(RECFM=FB,LRECL=132,BLKSIZE=1320)
//SYSIN    DD *
(Commands and Comments)
/*
```

JCL – DD Cards

- Description of DD cards

DD	Description
SYSPRINT	Output report dataset to echo SYSIN statements and command results • DCB attributes are RECFM=FBA and LRECL=133
EZYPRINT	Optional HARDCOPY output ddname. If not present, this ddname is dynamically allocated as a CLASS=A SYSOUT dataset • DCB attributes are RECFM=VBA and LRECL=260 • The DCB attributes may be overridden if pre-allocated
EZYLOAD	Optional Personal List (PLIST) location dataset used when loading a saved Personal List
SYSIN	EZYEDIT in batch input commands and comments used for controlling processing
PDSMOUT	Optional ddname for OUTPUT command • Default DCB attributes are RECFM=FB, LRECL=80 and BLKSIZE=6400. LRECL=132 if using the optional MAX parameter • A user-supplied ddname can be used in place of PDSMOUT as long as the same ddname is specified on the OUTPUT command

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JCL – Return Codes

- PDSEASY return codes and their meaning

RC	Meaning
00	Normal completion
04	At least one warning message has been issued
08	Processing has completed but at least one error condition has been encountered • By default, all remaining SYSIN commands will be flushed • If remaining SYSIN commands are to be processed, the default action can be overridden by inserting a line containing ERROR NOFLUSH in the SYSIN input immediately before the command that generates the error

Panels

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DSL, MSL and SPACE (📎)

- PDSEASY allows access to three panels

Command	Description	Parameters
DSL [parameter]	Dataset List	Dataset patterns ➔ DSL SYS1.* Dataset group keywords ➔ DSL LINKLIST Fully qualified datasets ➔ DSL 'SYS1.PARMLIB' A combination of dataset and volume patterns ➔ DSL SYS1.*/MVS* A saved Personal List ➔ DSL @LOADIT
MSL [parameter]	Member List	Fully qualified datasets without a volume ➔ MSL 'SYS1.PARMLIB' Fully qualified datasets with a volume ➔ MSL 'SYS1.PARMLIB'/ALTRES Fully qualified datasets with a member pattern ➔ MSL 'SYS1.PARMLIB(DEF*)'

DSL, MSL and SPACE (📎)

- PDSEASY allows access to three panels

Command	Description	Parameters
SPACE [parameter]	DASD Space	A volume serial or volume serial pattern ➔ SPACE MVS001 or MVS* A unit address or unit address pattern ➔ SPACE /1C0 or /1C* A storage group or storage group pattern ➔ SPACE SG=TEST or SG=TEST* An esoteric unit name ➔ SPACE U=3390

Dataset List
(DSL)

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Overview

- The next few slides display all the EZYEDIT Dataset List (DSL) primary and line commands

- The Batch column displays
  - Yes, can be used with PDSEASY
  - No, can not be used with PDSEASY

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DSL – Primary Commands (📎)

Command	Batch	Description
APFCHECK	Yes	Check for APF authorized datasets
APPEND	Yes	Append additional datasets
BK	No	Display PDSMAN backup directory
CATCHECK	Yes	Check datasets for catalog errors
CATINFO	Yes	Display catalog name
CONFIRM	No	Delete confirmation
CONFIRMC	No	Command confirmation
DIRUSAGE	Yes	Display directory usage statistics
EMPTYCHK	Yes	Check for empty datasets
FIND	Yes	Find a string
FINDMEM	Yes	Find a member or member pattern
HARDCOPY	Yes	Print current list
IF	Yes	Conditional filter

DSL – Primary Commands (📎)

Command	Batch	Description
INCLUDE	Yes	Include additional datasets
LEFT	Yes	Scroll left
LLASTATS	No	Display LLA usage statistics
LLATRACE	No	Display LLA trace
LOCATE	Yes	Locate a dataset
O	No	User options
ONLY	Yes	Exclude rows not containing argument
OUTPUT	Yes	Output current list
POPLIST	Yes	Restore list from the display stack
PUSHLIST	Yes	Save list to the display stack
REFRESH	Yes	Rebuild display
REPLACE	No	Global string replace
RESET	Yes	Reset display

DSL – <u>Primary</u> Commands (📎)

Command	Batch	Description
RIGHT	Yes	Scroll right
SAVE	No	Save current display
SCAN	Yes	Global string scan
SORT	Yes	SORT display
USAGE	Yes	Display usage by HLQ
VLFSTAGE	No	Display modules staged by VLF
X	Yes	Exclude above or below

DSL – Line Commands (📎)

Command	Batch	Description
ADDSPACE	Yes	Add space to a dataset
ALTERDIR	No	Alter directory size
B	No	Browse a dataset
BK	No	Display PDSMAN backup contents
CATALOG	No	Catalog a dataset
CLONE	Yes	Duplicate a dataset
COPY	Yes	Copy a dataset
CREATE	No	Allocate NEW dataset
D	Yes	Delete a dataset
DCF	No	Invoke DCF/Script processing
DSCB	Yes	Display DSCB
E	No	Edit a dataset
EMPTY	Yes	Delete all members and release unused extents

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DSL – <u>Line</u> Commands (📎)

Command	Batch	Description
EMPTYO	Yes	Delete ALL members
ERASE	Yes	Dataset delete/erase
F	No	Space release
I	No	Dataset Info display
LLADD	No	Add dataset to LLA management
LLACHECK	No	Check LLA directory
LLAFREZ	No	Alter LLA mode to FREEZE mode
LLANOFR	No	Alter LLA mode to NOFREEZE mode
LLAREF	No	LLA refresh
LLAREM	No	Remove dataset from LLA management
LLASTATS	No	Display LLA usage statistics
M	Yes	Display member list
<u>MO</u>NITOR	No	Partitioned resource monitoring

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DSL – Line Commands (📎)

Command	Batch	Description
MOVE	Yes	Move a dataset
P	No	Print a dataset or member
PDSMAN	No	PDSMAN functions
PM	Yes	Print member index
PMON	Yes	Partitioned resource monitor
R	No	Rename a dataset
RECOVER	Yes	Restore deleted members
RELEASE	Yes	Space release
REPLACE	No	Global string replace
S	No	Select a dataset
SCAN	No	Global string scan
U	No	User command alias
UNCAT	No	Un-catalog a dataset

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DSL – Line Commands ()

Command	Batch	Description
UPDATE	No	Variable update
V	No	View a dataset or member
VALIDATE	Yes	Validate dataset
VLFSTAGE	No	Display modules staged by VLF
X	Yes	Exclude a dataset
Z	Yes	Compress a dataset
=	No	Repeat command
/	No	Scroll display
?	No	Re-display message

Member List
(MSL)

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Overview

- The next few slides display all the EZYEDIT Member List (MSL) primary and line commands

- The Batch column displays
  - Yes, can be used with PDSEASY
  - No, can not be used with PDSEASY

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MSL – <u>Primary</u> Commands (📎)

Command	Batch	Description
AUDIT	Yes	Display AUDIT view
CONFIRM	No	Delete confirmation
CONFIRMC	No	Command confirmation
<u>F</u>IND	Yes	Find a string
FOLD	No	Print off FOLD option
<u>H</u>ARD<u>C</u>OPY	Yes	Print current list
IF	Yes	Conditional filter
<u>I</u>NCLUDE	Yes	Include additional members
<u>L</u>EFT	Yes	Scroll left
<u>L</u>OCATE	Yes	Locate a member
NOFOLD	No	Print off NOFOLD option
O	No	User options
ONLY	Yes	Exclude rows not containing argument

MSL – <u>Primary</u> Commands (📎)

Command	Batch	Description
<u>OUT</u>PUT	Yes	Output current list
PACKINFO	Yes	Display pack status
<u>POP</u>LIST	Yes	Restore list from the display stack
<u>PUSH</u>LIST	Yes	Save list to the display stack
<u>REF</u>RESH	Yes	Rebuild display
<u>REP</u>LACE	No	Global string replace
<u>RES</u>ET	Yes	Reset display
RIGHT	Yes	Scroll right
SCAN	Yes	Global string scan
SORT	Yes	SORT display
TAG	Yes	Tag processing
TITLE	Yes	Display title view
USAGE	No	Display directory usage
X	Yes	Exclude above or below

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MSL – <u>Line</u> Commands (📎)

Command	Batch	Description
B	No	Browse a member
BLD	No	Build a member from base & delta files
C	No	Copy a member
<u>COMPARE</u>	No	Compare two members
D	Yes	Delete a member
DCF	No	Invoke DCF/Script processing
<u>DIFF</u>	No	Compare two members, report only the differences
<u>DIRENTRY</u>	Yes	Display the directory
E	No	Edit a member
EC	No	Maintain change (Delta) files for base file
<u>EXEC</u>	No	Execute a CLIST or REXX program
IDR	Yes	Display IDR data
J	No	Submit a member

MSL – Line Commands (📎)

Command	Batch	Description
LLAREF	No	LLA refresh a member
M	No	Move a member
MAP	Yes	Display CSECT map
P	No	Print a member
PACK	Yes	Pack a member
PDSMAN	No	PDSMAN functions
PLISTADD	No	Define a Plist Index entry
R	Yes	Rename a member
S	No	Select a member
SUMMARY	Yes	Display CSECT summary
T	Yes	Tag or UnTag a member
TITLE	No	Display or update a member title
U	No	User command alias

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MSL – <u>Line</u> Commands (📎)

Command	Batch	Description
<u>UN</u>DELETE	No	Un-delete a member
<u>UNPAC</u>K	Yes	Unpack a member
V	No	View a member
X	Yes	Exclude a member
=	No	Repeat command
/	No	Scroll display
?	No	Re-display message
User-Cmd	No	User command or CLIST or REXX program

DASD Space (SPACE)

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Overview

- The next few slides display all the EZYEDIT DASD space (SPACE) primary and line commands

- The Batch column displays
  - Yes, can be used with PDSEASY
  - No, can not be used with PDSEASY

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SPACE – <u>Primary</u> Commands (📎)

Command	Batch	Description
<u>F</u>IND	Yes	Find a string
<u>H</u>ARD<u>C</u>OPY	Yes	Print current list
IF	Yes	Conditional filter
<u>I</u>NCLUDE	Yes	Include additional volumes
<u>L</u>EFT	Yes	Scroll left
<u>L</u>OCATE	Yes	Locate a volume
ONLY	Yes	Exclude rows not containing argument
<u>O</u>UTPUT	Yes	Output current list
<u>PO</u>PLIST	Yes	Restore list from the display stack
<u>PUSH</u>LIST	Yes	Save list to the display stack
<u>RE</u>FRESH	Yes	Rebuild display
<u>RES</u>ET	Yes	Reset display
RIGHT	Yes	Scroll right

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SPACE – <u>Primary</u> Commands (📎)

Command	Batch	Description
S	No	Dataset list
SORT	Yes	SORT display
USAGE	Yes	Volume usage summary
X	Yes	Exclude above or below

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SPACE – <u>Line</u> Commands (📎)

Command	Batch	Description
S	No	Dataset list on volume
U	No	User command alias
X	No	Exclude a volume
=	No	Repeat command
/	No	Scroll display
?	No	Re-display message

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Other – Commands

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DSL, MSL and SPACE – Commands (📎)

- The following commands can be used with the Dataset List (DSL), Member List (MSL) and DASD space (SPACE) primary and line commands

Command	Description
END	Terminate a list so that a new list can be started
ERROR [FLUSH| NOFLUSH]	By default, any command that returns a return code of eight (RC=8) or higher causes all subsequent SYSIN statements to be flushed

Notes

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Comments

- PDSEASY does not prefix dataset names with a TSO user prefix
    - All dataset names, quoted or unquoted, are treated as fully qualified names

- PDSEASY does not display a confirmation panel when deleting datasets or members

Examples

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Overview

- The next few slides will demonstrate how to code EZYEDIT in batch using the PDSEASY program and display the results

DSL (📎)

- List all SYS1.ISPF* datasets

```
   Menu   Utilities   Compilers   Help
 ----------------------------------------------------------------------
 BROWSE      PRDSS.R2221.PDSEASY.EXAMPLES(DSL01)- 01.00 Line 00000000 Col 001 080
 Command ===>                                               Scroll ===> CSR
 ******************************** Top of Data ********************************
 //@SSDSL01 JOB (SST),'PDSEASY',MSGCLASS=T,CLASS=R,NOTIFY=&SYSUID
 //*-------------------------------------------------------------------*
 //*  PURPOSE:  LIST ALL SYS1.ISPF* DATASETS
 //*-------------------------------------------------------------------*
 //EZYEDIT  EXEC PGM=PDSEASY
 //EZYPRINT DD  SYSOUT=*
 //SYSPRINT DD  SYSOUT=*
 //SYSIN    DD  *
 DSL SYS1.ISPF*                          /* DATASET LIST          */
 HC                                      /* HARDCOPY REPORT       */
 ***************************** Bottom of Data *******************************
```

DSL – Results

- EZYPRINT report after executing the commands

```
   Display  Filter  View  Print  Options  Search  Help
   ------------------------------------------------------------------
   SDSF OUTPUT DISPLAY @SSDSL01 J0428109  DSID   102 LINE 0       COLUMNS 02- 81
   COMMAND INPUT ===>                                          SCROLL ===> CSR
   ******************************* TOP OF DATA ********************************
   18-May-2015          At 11:18  DV21              EZYEDIT Dataset List SYS1.I
   Name                                      Message         Volume
   SYS1.ISPF.ALIB                                            SDRSX2
   SYS1.ISPF.CLIB                                            SDRSX2
   SYS1.ISPF.EXEC                                            SDRSX2
   SYS1.ISPF.GENU                                            SDRSX2
   SYS1.ISPF.MACS                                            SDRSX2
   SYS1.ISPF.MLIB                                            SDRSX2
   SYS1.ISPF.PLIB                                            SDRSX2
   SYS1.ISPF.SLIB                                            SDRSX2
   SYS1.ISPF.TLIB                                            SDRSX2
   ****************************** BOTTOM OF DATA ******************************
```

DSL – Clone (📎)

- Clone all PDS and sequential datasets

```
   Menu   Utilities   Compilers   Help
 -----------------------------------------------------------------------
 BROWSE      PRDSS.R2221.PDSEASY.EXAMPLES(DSL02)- 01.00 Line 00000000 Col 001 080
 Command ===>                                               Scroll ===> CSR
 ******************************* Top of Data ********************************
 //@SSDSL02 JOB (SST),'PDSEASY',MSGCLASS=T,CLASS=R,NOTIFY=&SYSUID
 //*-----------------------------------------------------------------*
 //*  PURPOSE:  CLONE ALL PDS AND SEQUENTIAL DATASETS
 //*-----------------------------------------------------------------*
 //EZYEDIT  EXEC PGM=PDSEASY
 //EZYPRINT DD  SYSOUT=*
 //SYSPRINT DD  SYSOUT=*
 //SYSIN    DD  *
   DSL PRDSS.R2221.PDSEASY.TESTFIL*          /* DATASET LIST        */
   HC                                        /* HARDCOPY REPORT     */
   CLONE * * PRE(R2221.TEST)                 /* CLONE FILES         */
   I R2221.TEST.*                            /* INCLUDE DATASETS    */
   HC                                        /* HARDCOPY REPORT     */
 ****************************** Bottom of Data ******************************
```

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DSL – Clone – Results

- EZYPRINT report after executing the commands

```
   Display  Filter  View  Print  Options  Search  Help
 ----------------------------------------------------------------------
 SDSF OUTPUT DISPLAY @SSDSL02 J0885051  DSID   102 LINE 0      COLUMNS 02- 81
 COMMAND INPUT ===>                                           SCROLL ===> CSR
 ****************************** TOP OF DATA ******************************
 27-May-2015          At 14:33  DV21                EZYEDIT Dataset List PRDSS.
 Name                                   Message          Volume
 PRDSS.R2221.PDSEASY.TESTFIL1                            DPS040
 PRDSS.R2221.PDSEASY.TESTFIL2                            DPS003
 27-May-2015          At 14:33  DV21                EZYEDIT Dataset List PRDSS.
 Name                                   Message          Volume
 PRDSS.R2221.PDSEASY.TESTFIL1           *Clone    Rc=0   DPS040
 PRDSS.R2221.PDSEASY.TESTFIL2           *Clone    Rc=0   DPS003
 R2221.TEST.PRDSS.R2221.PDSEASY.TESTFIL1    *Clone          DMD010
 R2221.TEST.PRDSS.R2221.PDSEASY.TESTFIL2    *Clone          DMD016
 ***************************** BOTTOM OF DATA ****************************
```

DSL – Compress (📎)

- Compress all PDS datasets greater than 30% used

```
   Menu   Utilities   Compilers   Help
 -------------------------------------------------------------------------
 BROWSE      PRDSS.R2221.PDSEASY.EXAMPLES(DSL03)- 01.03 Line 00000000 Col 001 080
 Command ===>                                            Scroll ===> CSR
 ****************************** Top of Data ******************************
 //@SSDSL03 JOB (SST),'PDSEASY',MSGCLASS=T,CLASS=R,NOTIFY=&SYSUID
 //*------------------------------------------------------------------*
 //*  PURPOSE:  COMPRESS ALL PDS DATASETS WITH %USED GT 30%
 //*------------------------------------------------------------------*
 //EZYEDIT  EXEC PGM=PDSEASY
 //EZYPRINT DD  SYSOUT=*
 //SYSPRINT DD  SYSOUT=*
 //SYSIN    DD  *
 DSL PRDSS.R2221.PDSEASY.*              /* DATASET LIST          */
 IF DSORG EQ PO                         /* DSORG EQ PDS          */
 IF DSORG NE PO-E                       /* DSORG NE PDSE         */
 RIGHT %USED                            /* DISPLAY %USED         */
 HC                                     /* HARDCOPY REPORT       */
 IF %USED GT 30                         /* IF %USED > 30         */
 Z *                                    /* COMPRESS ALL PDS FILES */
 LEFT NAME                              /* DISPLAY NAME          */
 HC                                     /* HARDCOPY REPORT       */
 END                                    /* END LIST              */
 ****************************** Bottom of Data ***************************
```

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DSL – Compress – Results

- EZYPRINT report after executing the commands

```
   Display  Filter  View  Print  Options  Search  Help
   -----------------------------------------------------------------
   SDSF OUTPUT DISPLAY @SSDSL03 J0882209  DSID   102 LINE 0       COLUMNS 02- 81
   COMMAND INPUT ===>                                            SCROLL ===> CSR
   ****************************** TOP OF DATA ******************************
   27-May-2015          At 13:55  DV21              EZYEDIT Dataset List PRDSS.
   Name                                         Tracks  %Used   XT   Device
   PRDSS.R2221.PDSEASY.EXAMPLES                    75     7     1    3390-9
   PRDSS.R2221.PDSEASY.TESTFILE                    75     5     1    3390-9
   PRDSS.R2221.PDSEASY.TESTFIL2                    90    21     2    3390-9
   PRDSS.R2221.PDSEASY.TESTFIL3                    60    31     3    3390-9
   PRDSS.R2221.PDSEASY.TESTFIL4                    45    41     3    3390-9
   27-May-2015          At 13:55  DV21              EZYEDIT Dataset List PRDSS.
   Name                                   Message          Volume
   PRDSS.R2221.PDSEASY.TESTFIL3           *COMPRESS Rc=0   DPS003
   PRDSS.R2221.PDSEASY.TESTFIL4           *COMPRESS Rc=0   DPS003
   ****************************** BOTTOM OF DATA ******************************
```

DSL – Delete (📎)

- Delete all PDS datasets

```
   Menu   Utilities   Compilers   Help
 -----------------------------------------------------------------------
 BROWSE     PRDSS.R2221.PDSEASY.EXAMPLES(DSL04)- 01.00 Line 00000000 Col 001 080
 Command ===>                                            Scroll ===> CSR
********************************* Top of Data *********************************
//@SSDSL04 JOB (SST),'PDSEASY',MSGCLASS=T,CLASS=R,NOTIFY=&SYSUID
//*-----------------------------------------------------------------*
//*  PURPOSE:  DELETE ALL PDS DATASETS
//*-----------------------------------------------------------------*
//EZYEDIT  EXEC PGM=PDSEASY
//EZYPRINT DD  SYSOUT=*
//SYSPRINT DD  SYSOUT=*
//SYSIN    DD  *
 DSL PRDSS.R2221.PDSEASY.TESTFIL*        /* DATASET LIST           */
 IF DSORG EQ PO                          /* DSORG EQ PDS AND PDSE  */
 HC                                      /* HARDCOPY REPORT        */
 D *                                     /* DELETE ALL FILES       */
 HC                                      /* HARDCOPY REPORT        */
****************************** Bottom of Data ******************************
```

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DSL – Delete – Results

- EZYPRINT report after executing the commands

```
   Display  Filter  View  Print  Options  Search  Help
  --------------------------------------------------------------------------
  SDSF OUTPUT DISPLAY @SSDSL04 J0883321  DSID   102 LINE 0        COLUMNS 02- 81
  COMMAND INPUT ===>                                             SCROLL ===> CSR
  ******************************* TOP OF DATA *******************************
  27-May-2015           At 14:11  DV21                 EZYEDIT Dataset List PRDSS.
  Name                                         Message            Volume
  PRDSS.R2221.PDSEASY.TESTFILE                                    DPS031
  PRDSS.R2221.PDSEASY.TESTFIL2                                    DPS040
  PRDSS.R2221.PDSEASY.TESTFIL3                                    DPS003
  PRDSS.R2221.PDSEASY.TESTFIL4                                    DPS003
  27-May-2015           At 14:11  DV21                 EZYEDIT Dataset List PRDSS.
  Name                                         Message            Volume
  PRDSS.R2221.PDSEASY.TESTFILE                 *Deleted           ??????
  PRDSS.R2221.PDSEASY.TESTFIL2                 *Deleted           ??????
  PRDSS.R2221.PDSEASY.TESTFIL3                 *Deleted           ??????
  PRDSS.R2221.PDSEASY.TESTFIL4                 *Deleted           ??????
  ****************************** BOTTOM OF DATA ******************************
```

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DSL – Volume (📎)

- List all PDS datasets on particular DASD volumes (SKR*) with greater than 90% directory usage

```
   Menu   Utilities   Compilers   Help
 --------------------------------------------------------------------------
 BROWSE      PRDSS.R2221.PDSEASY.EXAMPLES(DSL05) - 01.00 Line 00000000 Col 001 080
 Command ===>                                                  Scroll ===> CSR
 ******************************** Top of Data ********************************
 //@SSDSL05 JOB (SST),'PDSEASY',MSGCLASS=T,CLASS=R,NOTIFY=&SYSUID
 //*--------------------------------------------------------------*
 //*  PURPOSE:  LIST PDS DATASETS > 90 DIRECTORY USAGE ON SKR* VOLUMES
 //*--------------------------------------------------------------*
 //EZYEDIT   EXEC PGM=PDSEASY
 //EZYPRINT DD  SYSOUT=*
 //SYSPRINT DD  SYSOUT=*
 //SYSIN    DD  *
 DSL */SKR*                          /* DATASET LIST           */
 IF DSORG EQ PO                      /* ONLY PDS AND PDSE DSNS */
 IF DSORG NE PO-E                    /* REMOVE PDSE DATASETS   */
 DIRUSAGE                            /* DIRECTORY USAGE        */
 IF DIR% GT 90                       /* DIRECTORY > 90%        */
 HC                                  /* HARDCOPY REPORT        */
 ***************************** Bottom of Data *****************************
```

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DSL – Volume – Results

- EZYPRINT report after executing the commands

```
   Display  Filter  View  Print  Options  Search  Help
   ----------------------------------------------------------------
  SDSF OUTPUT DISPLAY @SSDSL05 J0436183  DSID   102 LINE 0      COLUMNS 02- 81
  COMMAND INPUT ===>                                   SCROLL ===> CSR
********************************* TOP OF DATA *********************************
 18-May-2015           At 13:35  DV21              EZYEDIT Dataset List * Vol=
 Name                                  Volume   Diraloc   Dirused   Dir%
 SYS1.FONTLIB                          SDRSU2     221       201      91
 SYS1.FONTLIB                          SDRSV2     221       201      91
 SYS1.FONTLIB                          SDRSW2     221       201      91
 SYS1.FONTLIB                          SDRSX2     221       201      91
 SYS1.FONTLIB                          SDRSY2     221       201      91
 SYS1.FONTLIB                          SDRSZ2     221       201      91
 SYS1.FONTLIBB                         SDRSZ2     116       106      91
 SYS1.SISPLOAD                         SDRSU1      64        58      91
 SYS1.SISPLOAD                         SDRSV1      64        58      91
 SYS1.SISPLOAD                         SDRSW1      64        58      91
 SYS1.SISPLOAD                         SDRSX1      64        58      91
 SYS1.SISPLOAD                         SDRSY1      64        58      91
 SYS1.SISPLOAD                         SDRSZ1      62        58      94
 SYS1.SORTLPA                          SDRSU1      11        10      91
 SYS1.SORTLPA                          SDRSV1      11        10      91
 SYS1.SORTLPA                          SDRSW1      11        10      91
 SYS1.SORTLPA                          SDRSX1      11        10      91
```

DSL – APFLIST (📎)

- List all invalid APF datasets (not found, not authorized, etc.)

```
   Menu   Utilities   Compilers   Help
 ---------------------------------------------------------------------------
 BROWSE      PRDSS.R2221.PDSEASY.EXAMPLES(DSL06)- 01.00 Line 00000000 Col 001 080
 Command ===>                                              Scroll ===> CSR
 ****************************** Top of Data ******************************
 //@SSDSL06 JOB (SST),'PDSEASY',MSGCLASS=T,CLASS=R,NOTIFY=&SYSUID
 //*------------------------------------------------------------------*
 //*  PURPOSE:  DISPLAY APF DATASETS WITH ISSUES
 //*------------------------------------------------------------------*
 //EZYEDIT  EXEC PGM=PDSEASY
 //EZYPRINT DD  SYSOUT=*
 //SYSPRINT DD  SYSOUT=*
 //SYSIN    DD  *
 ERROR NOFLUSH                         /* EXECUTE ALL CMDS       */
 DSL APFLIST                           /* DATASET LIST           */
 IF MESSAGE NE ' '                     /* MESSAGE <> ' '         */
 IF MESSAGE NE '*SMS'                  /* MESSAGE <> '*SMS'      */
 HC                                    /* HARDCOPY REPORT        */
 END                                   /* END LIST               */
 ****************************** Bottom of Data ******************************
```

DSL – APFLIST – Results

- EZYPRINT report after executing the commands

```
  Display  Filter  View  Print  Options  Search  Help
  --------------------------------------------------------------------------
  SDSF OUTPUT DISPLAY @SSDSL06 J0878872  DSID   102 LINE 0      COLUMNS 02- 81
  COMMAND INPUT ===>                                           SCROLL ===> CSR
  ********************************* TOP OF DATA *********************************
  27-May-2015            At 12:53  DV21                  EZYEDIT Dataset List APFLIS
  Name                                          Message          Volume
  DVPEC.#CCHX2KN.ALOADLIB                        *Not-Found       *SMS*
  DVPOU.VPS.V2.LINKLIB.OLD                       *Migrated        *SMS*
  INTEC.#CCHX2KN.ALOADLIB                        *Not-Found       *SMS*
  SYSCI.SDBBT$$$.V730.APFLOAD                    *Not-Found       *SMS*
  SYSCI.SDBBT$$$.V730.JAVALOAD                   *Not-Found       *SMS*
  SYSES.DVP.PROSMS.BBLINK1                       *Not-Found       *SMS*
  SYSSS.SCEERUN                                  *Not-Found       SDRSW1
  SYS1.MIGLIB                                    *Not-Found       STRSA1
  TSTOO.#LRIMS41.ATDBA.DYNAMIC                   *Not-Authorized  *SMS*
  TSTOO.#LRIMS41.ATDBA.RESLIB                    *Not-Authorized  *SMS*
  TSTOO.#LRIMS41.ATDBA.RLRESLIB                  *Not-Authorized  *SMS*
  TSTOO.#LRIMS41.ATDBB.DYNAMIC                   *Not-Authorized  *SMS*
  TSTOO.#LRIMS41.ATDBB.RESLIB                    *Not-Authorized  *SMS*
  TSTOO.#LRIMS41.ATDBB.RLRESLIB                  *Not-Authorized  *SMS*
  TSTOO.#LRIMS41.ATIAC.DYNAMIC                   *Not-Authorized  *SMS*
  TSTOO.#LRIMS41.ATIAC.RESLIB                    *Not-Authorized  *SMS*
  TSTOO.#LRIMS41.ATIAC.RLRESLIB                  *Not-Authorized  *SMS*
```

DSL – LLALIST (📎)

- Display directory usage of all SYS1.* LLA datasets

```
   Menu   Utilities   Compilers   Help
 ------------------------------------------------------------------------
 BROWSE      PRDSS.R2221.PDSEASY.EXAMPLES(DSL07)- 01.00 Line 00000000 Col 001 080
 Command ===>                                               Scroll ===> CSR
 ******************************** Top of Data ********************************
 //@SSDSL07 JOB (SST),'PDSEASY',MSGCLASS=T,CLASS=R,NOTIFY=&SYSUID
 //*----------------------------------------------------------------*
 //*  PURPOSE:  DISPLAY DIRECTORY USAGE OF ALL SYS1.* LLA DATASETS
 //*----------------------------------------------------------------*
 //EZYEDIT   EXEC PGM=PDSEASY
 //EZYPRINT DD  SYSOUT=*
 //SYSPRINT DD  SYSOUT=*
 //SYSIN     DD  *
 DSL LLALIST                           /* DATASET LIST           */
 IF NAME EQ SYS1.*                     /* DATASET = SYS1.*       */
 DIRUSAGE                              /* DIRECTORY USAGE        */
 HC                                    /* HARDCOPY REPORT        */
 ****************************** Bottom of Data ********************************
```

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DSL – LLALIST – Results

- EZYPRINT report after executing the commands

```
  Display  Filter  View  Print  Options  Search  Help
 --------------------------------------------------------------------
 SDSF OUTPUT DISPLAY @SSDSL07 J0433897  DSID   102 LINE 0     COLUMNS 02- 81
 COMMAND INPUT ===>                                          SCROLL ===> CSR
 ******************************** TOP OF DATA ********************************
 18-May-2015          At 12:57  DV21              EZYEDIT Dataset List LLALIS
 Name                                   Volume   Diraloc   Dirused   Dir%
 SYS1.SDV21.LINKLIB                     SD1SU1      28         1       4
 SYS1.MIGLIB                            SDRSX1     406       341      84
 SYS1.CSSLIB                            SDRSX1     223       187      84
 SYS1.SIEALNKE                          SDRSX1      27        27     100
 SYS1.SIEAMIGE                          SDRSX1       2         2     100
 SYS1.LINKLIB.WFSC                      SDRSX1       5         5     100
 SYS1.LINKLIB                           SDRSX1     875       735      84
 SYS1.CMDLIB                            SDRSX1      64        54      84
 SYS1.SHASLNKE                          SDRSX1       8         8     100
 SYS1.SHASMIG                           SDRSX1      60        47      78
 SYS1.SCEERUN                           SDRSX1     791       659      83
 SYS1.SIBMLINK                          SDRSX2      10         8      80
 SYS1.SEZALOAD                          SDRSX1      55        55     100
 SYS1.SISFLOAD                          SDRSX1      20        12      60
 SYS1.SISFMOD1                          SDRSX1      10         1      10
 SYS1.SIGYCOMP                          SDRSX2      13        10      77
 SYS1.SADMMOD                           SDRSX2      71        59      83
```

DSL – LINK/LPALIST (📎)

- List all LPA and Link List datasets containing PDSM* members

```
   Menu   Utilities   Compilers   Help
 ------------------------------------------------------------------------
 BROWSE     PRDSS.R2221.PDSEASY.EXAMPLES(DSL08)- 01.00 Line 00000000 Col 001 080
 Command ===>                                                Scroll ===> CSR
 ****************************** Top of Data ******************************
 //@SSDSL08 JOB (SST),'PDSEASY',MSGCLASS=T,CLASS=R,NOTIFY=&SYSUID
 //*-------------------------------------------------------------*
 //*  PURPOSE:  LIST ALL LPA/LINKLIST DSNs CONTAINING PDSM* MEMBERS
 //*-------------------------------------------------------------*
 //EZYEDIT   EXEC PGM=PDSEASY
 //EZYPRINT DD  SYSOUT=*
 //SYSPRINT DD  SYSOUT=*
 //SYSIN    DD  *
 DSL LINKLIST                              /* DATASET LIST          */
 I LPALIST                                 /* INCLUDE LPALIST       */
 FINDMEM PDSM* ALL                         /* FIND MBR IN ALL DSNS  */
 IF MESSAGE NE ' '                         /* MESSAGE <> ' '        */
 IF MESSAGE NE '*Access-denied'            /* MESSAGE <> 'ACCESS DEN */
 HC                                        /* HARDCOPY REPORT       */
 ****************************** Bottom of Data ******************************
```

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DSL – LINK/LPALIST – Results

- EZYPRINT report after executing the commands

```
   Display  Filter  View  Print  Options  Search  Help
   ------------------------------------------------------------------------
  SDSF OUTPUT DISPLAY @SSDSL08 J0438112  DSID   102 LINE 0      COLUMNS 02- 81
  COMMAND INPUT ===>                                          SCROLL ===> CSR
  ****************************** TOP OF DATA ******************************
  18-May-2015         At 13:44  DV21                 EZYEDIT Dataset List LINKLI
  Name                                      Message          Volume
  SYSSS1.PDSMAN.R770M03.CPDSLINK            *Mem-Found       DSY003
  **************************** BOTTOM OF DATA ****************************
```

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MSL (📎)

- List members in a PDS dataset

```
   Menu   Utilities   Compilers   Help
 -----------------------------------------------------------------------
 BROWSE      PRDSS.R2221.PDSEASY.EXAMPLES(MSL01)- 01.00 Line 00000000 Col 001 080
 Command ===>                                              Scroll ===> CSR
 ******************************** Top of Data ********************************
 //@SSMSL01 JOB (SST),'PDSEASY',MSGCLASS=T,CLASS=R,NOTIFY=&SYSUID
 //*-------------------------------------------------------------*
 //*  PURPOSE:  LIST ALL PDS MEMBERS
 //*-------------------------------------------------------------*
 //EZYEDIT   EXEC PGM=PDSEASY
 //EZYPRINT DD  SYSOUT=*
 //SYSPRINT DD  SYSOUT=*
 //SYSIN     DD  *
   MSL PRDSS.R2221.PDSEASY.TESTFILE          /* MEMBER LIST          */
   HC                                        /* HARDCOPY REPORT      */
 ****************************** Bottom of Data ******************************
```

MSL – Results

- EZYPRINT report after executing the commands

```
   Display  Filter  View  Print  Options  Search  Help
 -----------------------------------------------------------------------
 SDSF OUTPUT DISPLAY @SSMSL01 J0430630  DSID   102 LINE 0       COLUMNS 02- 81
 COMMAND INPUT ===>                                       SCROLL ===> CSR
 ****************************** TOP OF DATA ******************************
 18-May-2015       At 11:56  DV21              EZYEDIT Directory Listing
 Dataset Name :  PRDSS.R2221.PDSEASY.TESTFILE
 Volser       :  DPS031
 Name      Rename      VV:MM Created     Changed       Size   Ident
 TEST0001              01.00 15/05/18 15/05/18 11:45      1   R2221
 TEST001               01.00 15/05/18 15/05/18 11:45      1   R2221
 TEST002               01.00 15/05/18 15/05/18 11:45      1   R2221
 TEST003               01.00 15/05/18 15/05/18 11:45      1   R2221
 ****************************** BOTTOM OF DATA **************************
```

MSL – D (📎)

- Delete particular members (TEST*) in a PDS dataset

```
   Menu   Utilities   Compilers   Help
 -----------------------------------------------------------------------------
 BROWSE      PRDSS.R2221.PDSEASY.EXAMPLES(MSL01)- 01.00 Line 00000000 Col 001 080
 Command ===>                                                    Scroll ===> CSR
 ******************************** Top of Data *********************************
 //@SSMSL02 JOB (SST),'PDSEASY',MSGCLASS=T,CLASS=R,NOTIFY=&SYSUID
 //*----------------------------------------------------------------*
 //*  PURPOSE:  DELETE ALL TEST* MEMBERS FROM PDS DATASET
 //*----------------------------------------------------------------*
 //EZYEDIT  EXEC PGM=PDSEASY
 //EZYPRINT DD  SYSOUT=*
 //SYSPRINT DD  SYSOUT=*
 //SYSIN    DD  *
 MSL PRDSS.R2221.PDSEASY.TESTFILE          /* MEMBER LIST          */
 D TEST*                                    /* DELETE MEMBERS       */
 HC                                         /* HARDCOPY REPORT      */
 ******************************* Bottom of Data *******************************
```

MSL – D – Results

- EZYPRINT report after executing the commands

```
   Display  Filter  View  Print  Options  Search  Help
 ----------------------------------------------------------------------
 SDSF OUTPUT DISPLAY @SSMSL02 J0433217  DSID   102 LINE 0      COLUMNS 02- 81
 COMMAND INPUT ===>                                    SCROLL ===> CSR
 ****************************** TOP OF DATA ******************************
 18-May-2015          At 12:39  DV21                 EZYEDIT Directory Listing
 Dataset Name :  PRDSS.R2221.PDSEASY.TESTFILE
 Volser       :  DPS031
 Name     Rename        VV:MM Created    Changed      Size  Ident
 TEST0001 *Deleted
 TEST001  *Deleted
 TEST002  *Deleted
 TEST003  *Deleted
 ***************************** BOTTOM OF DATA ****************************
```

SPACE (📎)

- List all DASD volumes by name and greater than 90% used

```
   Menu  Utilities  Compilers  Help
 --------------------------------------------------------------------
 BROWSE      PRDSS.R2221.PDSEASY.EXAMPLES(SPACE)- 01.00 Line 00000000 Col 001 080
 Command ===>                                               Scroll ===> CSR
 ******************************** Top of Data ********************************
 //@SSSPACE JOB (SST),'PDSEASY',MSGCLASS=T,CLASS=R,NOTIFY=&SYSUID
 //*-------------------------------------------------------------*
 //*  PURPOSE:  LIST DASD VOLUMES BY NAME AND GREATER THAN 90% USED
 //*-------------------------------------------------------------*
 //EZYEDIT  EXEC PGM=PDSEASY
 //EZYPRINT DD  SYSOUT=*
 //SYSPRINT DD  SYSOUT=*
 //SYSIN    DD  *
    SPACE DPS*                         /* DASD SPACE           */
    IF %USED GT 90                     /* USED > 90%           */
    HC                                 /* HARDCOPY REPORT      */
 ****************************** Bottom of Data ******************************
```

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SPACE – Results

- EZYPRINT report after executing the commands

```
  Display  Filter  View  Print  Options  Search  Help
  ------------------------------------------------------------------
 SDSF OUTPUT DISPLAY @SSSPACE J0433648  DSID   102 LINE 0      COLUMNS 02- 81
 COMMAND INPUT ===>                                           SCROLL ===> CSR
 ****************************** TOP OF DATA ******************************
 18-May-2015        At 12:47  DV21             EZYEDIT Volume Information
             <------------- Volume Freespace -------------> <--- Largest --->
 Volume  Cua  Cyls--Trks--Byts Free% ...25...50...75..100  Cap  Cyls--Trks--Byts
 DPS031 171C   6121 91887 5.21G    9% **                    55.7G  4112 61680   3.5G
 DPS034 23DB   5228 78633 4.46G    8% **                    55.7G  2736 41043  2.33G
 DPS035 239D   5290 79466  4.5G    8% **                    55.7G  2910 43650  2.47G
 DPS036 235B   5275 79290 4.49G    8% **                    55.7G  1636 24540  1.39G
 DPS037 231B   5823 87542 4.96G    9% **                    55.7G  2850 42755  2.42G
 DPS039 225B   5240 78727 4.46G    8% **                    55.7G  2148 32221  1.83G
 DPS040 229D    164  2610  148M    0%                       55.7G    76  1154  65.4M
 **************************** BOTTOM OF DATA ****************************
```

Links

Complete your session evaluations online at www.SHARE.org/Orlando-Eval

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PDSMAN

Links
PDSMAN – EZYEDIT – Introduction
PDSMAN – EZYEDIT – Selection Panel
PDSMAN – EZYEDIT – Dataset List
PDSMAN – EZYEDIT – Member List
PDSMAN – EZYEDIT – SPACE
PDSMAN – EZYEDIT – TSO Command Shell
PDSMAN – Introduction
PDSMAN – Member Versions
PDSMAN – FASTCOPY
PDSMAN – PDSEASY
PDSMAN – PDSM18
PDSMAN – PDSMURPT

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Other

Links
ISPF – An Experienced User Shares His Secrets
ISPF – Workstation Agent (WSA)
OPSMVS – OPSLOG Overview
REXX and ISPF – Troubleshooting
SDSF – Beyond the Basics

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Conclusion

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Final Comments

- PDSMAN provides a wide range of solutions to PDS and PDSE issues users face on a daily basis
  - Saves time and increases productivity

- Every PDSMAN/EZYEDIT release introduces new features and commands which are easy to understand, implement and use

- The tutorials and manuals are exceptional
  - Easy to read and understand
  - Suggest downloading the manuals periodically to obtain new updates

Complete your session evaluations online at www.SHARE.org/Orlando-Eval

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Thank You!

- A special thank you to the CA PDSMAN team for their technical input and assistance

- Suggest checking out the CA PDSMAN community web site at:

    CA – Mainframe Community – PDSMAN

  Or

    CA – Mainframe Community

  Select 'CA PDSMAN PDS Library Management' from the 'Products Covered' section located on the left hand side of the web page

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Any questions or comments please contact

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