

PDSMAN – PDSM18

*Bruce Koss
Wells Fargo*

*Monday, August 10, 2015
3:15 PM - 4:15 PM
17410*

www.SHARE.org



#SHAREorg



SHARE is an independent volunteer-run information technology association that provides **education, professional networking and industry influence.**



- Quickly and easily scan/replace text string
- Scan and replace
 - PDS, PDSE or sequential datasets
 - Single or multiple datasets
 - Fixed, variable, undefined, blocked or unblocked format
 - Selected members or all members
- The next few slides
 - List and identify all PDSM18 commands and syntax
 - Demonstrate how to code and display the results

Agenda

Topic	Description
JCL	JCL used to execute PDSM18
OPTION	Specify scan and replace options
SCAN	Scan syntax and parameters
REPLACE	Replace syntax and parameters
Notes	Items of interest
Examples	PDSM18 examples
Links	PDSMAN and other slide decks
Conclusion	Final comments

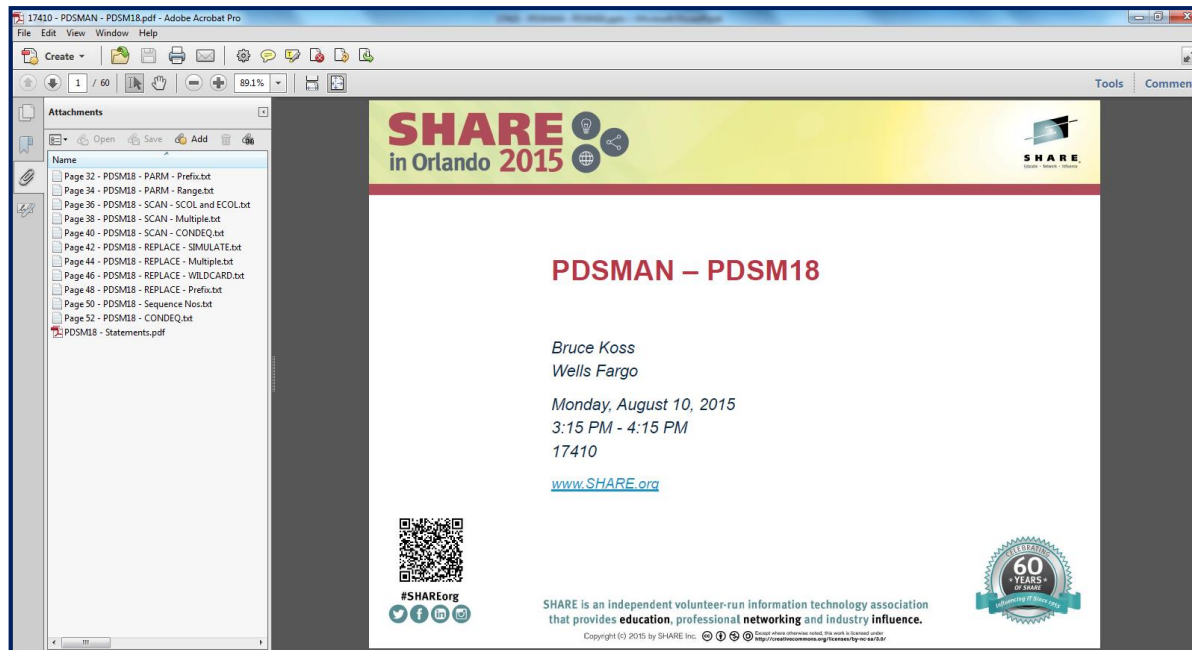
Attachments (📎)

- The following attachments are included in this document:


File	Type
PDSM18 – Statements	PDF
Page 32 – PDSM18 – PARM – Prefix	TXT
Page 34 – PDSM18 – PARM – Range	TXT
Page 36 – PDSM18 – SCAN – SCOL and ECOL	TXT
Page 38 – PDSM18 – SCAN – Multiple	TXT
Page 40 – PDSM18 – SCAN – CONDEQ	TXT
Page 42 – PDSM18 – REPLACE – SIMULATE	TXT
Page 44 – PDSM18 – REPLACE – Multiple	TXT
Page 46 – PDSM18 – REPLACE – WILDCARD	TXT
Page 48 – PDSM18 – REPLACE – Prefix	TXT
Page 50 – PDSM18 – REPLACE – Sequence Nos	TXT
Page 52 – PDSM18 – REPLACE – CONDEQ	TXT

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**
 - **Productivity Tools Reference**
 - **Chapter 2, String Scan and Replace**

JCL

- Use the following JCL to execute PDSM18:

```
//PDSM18 EXEC PGM=PDSM18[,PARM='mbr_sel']  
//PDSMRPT DD SYSOUT=class  
//PDSMPDS DD DISP=SHR,DSN=data_set_name  
//PDSMSEL DD *           (optional member selection)  
//PDSMERR DD *           (optional error report)  
//SYSIN   DD *           (control statements)
```


- Description of DD cards

DD	Description
PDSMRPT	Defines the output report dataset, with default DCB attributes of RECFM=FBA and LRECL=133 <ul style="list-style-type: none">• If LRECL is specified on the PDSMRPT DD statement, the maximum supported value is 255
PDSMPDS	Defines the library, the library concatenation or the sequential dataset to be processed
PDSMSEL	Defines an optional dataset, with DCB attributes of RECFM=FB and LRECL=80, containing statements used for controlling member selection <ul style="list-style-type: none">• The PDSMSEL dataset is not used when the PDSMPDS dataset is sequential
PDSMERR	Defines an optional dataset, with DCB attributes of RECFM=FBA and LRECL=133, used to report only truncation errors during REPLACE processing
SYSIN	Defines the dataset containing statements used for controlling PDSM18 processing

- Member selection may be controlled via the EXEC PARM field or the PDSMSEL dataset
 - If both are specified, the PDSMSEL dataset is used and the parameter is ignored
- Format of member selection

PARM	Description
<code>member_name</code>	Select the indicated member
<code>prefix*</code>	Select all members with the indicated prefix
<code>prefix1-prefix2</code>	Select all members within the indicated prefix range
<code>*</code>	Select all members (default)

- Wild cards (+ and *) can be used to specify member selection
 - Wild cards can only be used when a member name or prefix is specified
 - They cannot be used in a prefix range

JCL – Return Codes

- PDSM18 return codes and their meaning

RC	Description
00	Normal Completion
04	A recoverable error has occurred. Some of the requested operations may not have been performed or may have been performed incorrectly
08	Processing has completed but one of the following conditions occurred: <ul style="list-style-type: none">• No members were selected• No target strings were found in any selected member• The selected library was not found on the backup dataset or was not of LRECL=80
16	The job step has been terminated due to an invalid user control statement

OPTION

OPTION

- The **OPTION** statement allows overriding the PDSM18 defaults
- Only one **OPTION** statement can be specified
- Syntax
 - **OPTION** [SCOL=nn]
[ECOL=nn]
[LISTMEM=N|Y|S|n]
[MISSMSG=Y|N]
[TRANSLATE=N|Y]
[BEFOREIMAGE=N|Y]
[SIMULATE=N|Y]
[FORCE=N|Y]
[SHIFTOPT=1|2]
[SCANENQ=Y|N]
[SCANMINUS=Y|N]
[WILDCARD=N|Y]

OPTION – Parameters ()

Parameter	Description
SCOL=nn	<p>Specifies the position in each data record at which scanning starts</p> <ul style="list-style-type: none">• If specified, SCOL must be in the range 1 to LRECL (or BLKSIZE if undefined records)• If not specified, the entire record is scanned• The global value of SCOL can be overridden by specifying SCOL on the individual SCAN or REPLACE statements
ECOL=nn	<p>Specifies the position in each data record at which scanning stops</p> <ul style="list-style-type: none">• If specified, ECOL must be in the range 1 to LRECL (or BLKSIZE if undefined records) and must not be less than SCOL• If the length of the input record is less than the value of ECOL, specifying ECOL has no effect
LISTMEM= <u>N</u> Y S n	<p>Specifies whether to list the entire member if a target string is found</p> <p>N Do not list the entire member (default)</p> <p>Y List the entire member</p> <ul style="list-style-type: none">• Members of libraries with fixed or variable record formats are listed in character format• Members of libraries with undefined record formats are listed in dump format <p>S Report only if a string was found or replaced in the member</p> <ul style="list-style-type: none">• Neither the member contents nor the actual data line is reported <p>n List the line that contains the target string as well as n lines on either side of the data line</p> <ul style="list-style-type: none">• Allows the target string to be seen in the context of its surrounding data

OPTION – Parameters ()

Parameter	Description
MISSMSG= <u>Y</u> N	Specifies whether to print the NO HITS FOUND message on the PDSM18 report if no hits are found in a member. May also specify this parameter as MISSMEM Y Produce the message (default) N Do not produce the message
TRANSLATE= <u>N</u> Y	Specifies whether translation to upper case of both the text and the target string occurs before scanning for the target string N No translation (default) Y Translate both strings
BEFOREIMAGE= <u>N</u> Y	For REPLACE operations only, specifies whether the original image of a data line should be reported in addition to the line image after replacements have been made N Do not report the original data line image (default) Y Report the original data line image
SIMULATE= <u>N</u> Y	For REPLACE operations only, specifies whether data replacement should be simulated or actually performed. Simulated REPLACE operations are reported as if they have actually occurred, but are not performed N Do not simulate REPLACE operations (default) Y Simulate REPLACE operations

OPTION – Parameters ()

Parameter	Description
FORCE= <u>N</u> Y	<p>For REPLACE operations where strings are being lengthened, specifies whether replacement should be permitted when data truncation occurs due to non-blank characters being forced off the end of the line</p> <ul style="list-style-type: none"> N Do not permit data truncation (default) Y Permit data truncation
SHIFTOPT= <u>1</u> 2	<p>Controls data shifting during REPLACE operations where the TARGET and NEW strings are of different lengths</p> <ol style="list-style-type: none"> 1 Perform replacement in a manner that minimizes disruption to non-blank strings following the replacement, using the assumption that blanks can be either added to or removed from a position containing two or more consecutive blanks (default) 2 The rest of the line following the replacement is simply shifted left or right as required, effectively adding blanks to, or removing blanks from the rightmost position of the line
SCANENQ= <u>Y</u> N	<p>Specifies whether a shared SPFPEDIT or SYSIEWLP ENQ should be applied when scanning a library in which PDSMAN Library Space Reuse is active, to eliminate the possibility of member data being modified during the scan</p> <ul style="list-style-type: none"> Y Apply ENQ for the duration of the scan N Do not apply ENQ for the duration of the scan <p>The default value of this parameter is set by the \$MISC SCANENQ parameter in the PDSMINIT initialization control dataset (and is Y if \$MISC SCANENQ is not specified)</p>

OPTION – Parameters ()

Parameter	Description
SCANMINUS= <u>Y</u> N	<p>Specifies whether old member versions should be included in SCAN operations</p> <ul style="list-style-type: none">Y Include old member versions (default)N Do not include old member versions <p>Note: Old member versions are never included in REPLACE operations</p>
WILDCARD= <u>N</u> Y	<p>Specifies whether the characters "+" and "*" are to be treated as pattern matching characters when specified in TARGET, NEW, CONDEQ and CONDNE strings</p> <ul style="list-style-type: none">N The "+" and "*" characters represent themselves and are not treated as pattern matching characters (default)Y The "+" and "*" characters are treated as pattern characters

SCAN

- The **SCAN** statement instructs PDSM18 to scan for specific text string
- Multiple **SCAN** statements can be coded, in any order

- Syntax

```
SCAN TARGET=string|'string'|X'string'  
    [,CONT=string|'string'|X'string']  
    [,CONDEQ= string|'string'|X'string']  
    [,CONDNE= string|'string'|X'string']  
    [,SCOL=nn]  
    [,ECOL=nn]
```

SCAN – Parameters (📎)

Parameter	Description
TARGET=string	<p>Specifies the string for which scanning is to be performed in one of the following formats:</p> <ul style="list-style-type: none">string Character string not containing blanks or special characters'string' A character string containing blanks or special characters. Any apostrophes in the string must be written as two consecutive apostrophesX'string' A string of valid hexadecimal characters <p>Wild card characters are permitted for this parameter if WILDCARD=Y has been specified</p> <ul style="list-style-type: none">The maximum number of characters is 63. Refer to the CONT parameter if the string needs to be continued beyond 63 characters
CONT=string	<p>Specifies an optional string to be appended to a TARGET parameter. When used, CONT must immediately follow the TARGET parameter</p> <ul style="list-style-type: none">The maximum number of characters is 63. Specify multiple CONT parameters to continue the TARGET string up to 256 charactersAll string formats described in the TARGET parameter are valid on the CONT parameter
CONDEQ=string	<p>Specifies an optional second string that must also be present on the same data line as the target string for the target string to be matched and reported</p> <ul style="list-style-type: none">This string can be in either character or hexadecimal format and should be specified as described in the TARGET operandWild card characters are permitted for this parameter if WILDCARD=Y has been specified

SCAN – Parameters (📎)

Parameter	Description
CONDNE=string	Specifies an optional second string, which must not be present on the same data line as the target string in order for the target string to be matched and reported <ul style="list-style-type: none">• This string can be in either character or hexadecimal format and should be specified as described in the TARGET operand• Wild card characters are permitted for this parameter if WILDCARD=Y has been specified
SCOL=nn	Specifies the position in each data record at which scanning starts <ul style="list-style-type: none">• If specified, SCOL must be in the range 1 to LRECL (or BLKSIZE if undefined records)• If not specified, the entire record is scanned• If SCOL is specified on this statement, the global value of SCOL is overridden
ECOL=nn	Specifies the position in each data record at which scanning stops <ul style="list-style-type: none">• If specified, ECOL must be in the range 1 to LRECL (or BLKSIZE if undefined records) and must not be less than SCOL• If the length of the input record is less than the value of ECOL, specifying ECOL has no effect

REPLACE

REPLACE

- The **REPLACE** statement instructs PDSM18 to scan for a specific text string and replace it with the new text string
- Multiple **REPLACE** statements can be coded, in any order
- Syntax

```
REPLACE TARGET=string|'string'|X'string'  
        [,CONT=string|'string'|X'string']  
        NEW=string|'string'|X'string'  
        [,CONT=string|'string'|X'string']  
        [,CONDEQ= string|'string'|X'string']  
        [,CONDNE= string|'string'|X'string']  
        [,SCOL=nn]  
        [,ECOL=nn]
```

REPLACE – Parameters (📎)

Parameter	Description
TARGET=string	<p>Specifies the string for which scanning is to be performed in one of the following formats:</p> <ul style="list-style-type: none">string Character string not containing blanks or special characters'string' A character string containing blanks or special characters. Any apostrophes in the string must be written as two consecutive apostrophesX'string' A string of valid hexadecimal characters <p>Wild card characters are permitted for this parameter if WILDCARD=Y has been specified</p> <ul style="list-style-type: none">The maximum number of characters is 63. Refer to the CONT parameter if the string needs to be continued beyond 63 characters
NEW=string	<p>Specifies the string that is to replace the target string</p> <ul style="list-style-type: none">The string specified can be in either character or hexadecimal format and should be specified as described in the TARGET operandThe target string and new string can be of different lengthsThis parameter is required for the REPLACE control statementWild card characters are permitted for this parameter if WILDCARD=Y has been specifiedThe maximum number of characters is 63. Refer to the CONT parameter if the string needs to be continued beyond 63 characters

REPLACE – Parameters (📎)

Parameter	Description
CONT=string	<p>Specifies an optional string to be appended to a TARGET parameter</p> <ul style="list-style-type: none">• When used, CONT must immediately follow the TARGET parameter• The maximum number of characters is 63• Specify multiple CONT parameters to continue the TARGET string up to 256 characters• All string formats described in the TARGET parameter are valid on the CONT parameter
CONDEQ=string	<p>Specifies an optional second string that must also be present on the same data line as the target string for the target string to be matched and reported</p> <ul style="list-style-type: none">• This string can be in either character or hexadecimal format and should be specified as described in the TARGET operand• Wild card characters are permitted for this parameter if WILDCARD=Y has been specified
CONDNE=string	<p>Specifies an optional second string, which must not be present on the same data line as the target string in order for the target string to be matched and reported</p> <ul style="list-style-type: none">• This string can be in either character or hexadecimal format and should be specified as described in the TARGET operand• Wild card characters are permitted for this parameter if WILDCARD=Y has been specified

REPLACE – Parameters ()

Parameter	Description
SCOL=nn	Specifies the position in each data record at which scanning starts <ul style="list-style-type: none">• If specified, SCOL must be in the range 1 to LRECL (or BLKSIZE if undefined records)• If not specified, the entire record is scanned• If SCOL is specified on this statement, the global value of SCOL is overridden
ECOL=nn	Specifies the position in each data record at which scanning stops <ul style="list-style-type: none">• If specified, ECOL must be in the range 1 to LRECL (or BLKSIZE if undefined records) and must not be less than SCOL• If the length of the input record is less than the value of ECOL, specifying ECOL has no effect

Notes

Items of interest

- Must be specific in the text string when using **SCAN** or **REPLACE**
 - Failure to do so may cause incorrect results
- Strings spanning logical records (for fixed and variable record formats) or blocks (for undefined record formats) are not detected by **SCAN** or **REPLACE** processing
- Replacement processing is not supported in a **RECFM=V(B)** sequential dataset if strings are being shortened or lengthened
- Replacement processing is not supported for libraries with undefined record formats including load libraries and program object libraries

Items of interest

- PDSM18 will not replace strings in previous (old) member versions in libraries where the PDSMAN Multiple Member Versions are being maintained

Examples

Overview

- The next few slides will demonstrate how to code PDSM18 and display the results

PARM – Prefix (📎)

- Scan specific members (+++TST*) for a particular text string

```
Menu Utilities Compilers Help
-----
BROWSE      PRDSS.R2221.PDSM18.EXAMPLES (PDSM18A) - 01. Line 00000000 Col 001 080
Command ==>                               Scroll ==> CSR
***** Top of Data *****
//@SSPDS18 JOB (SST), 'PDSM18',MSGCLASS=T,CLASS=R,NOTIFY=&SYSUID
//*-----*
//*  PURPOSE:  SCAN SPECIFIC MEMBERS FOR TEXT STRING
//*-----*
//PDSM18 EXEC PGM=PDSM18,PARM='+++TST*' /* PARM=[MEMBERS] */
//PDSMRPT DD SYSOUT=*
//PDSMPDS DD DISP=SHR,DSN=PRDSS.R2221.PDSM18.TESTFILE
//SYSIN DD *
SCAN TARGET='IEBCOPY'
***** Bottom of Data *****
```


PARM – Prefix – Results

- **PDSMRPT** report after executing the command

```
Display Filter View Print Options Search Help
-----
SDSF OUTPUT DISPLAY @SSPDS18 J0918028 DSID 102 LINE 0 COLUMNS 02- 81
COMMAND INPUT ==> SCROLL ==> CSR
***** TOP OF DATA *****
PDSMAN r7.70 GLOBAL STRING SCAN/REPLACE
** PDSM18 ** DV21 CONTROL STATEMENT EDIT
SEQ CONTROL STATEMENT
-----
1 SCAN TARGET='IEBCOPY'
PDSMAN r7.70 GLOBAL STRING SCAN/REPLACE
** PDSM18 ** DV21 PRDSS.R2221.PDSM18.TESTFIL

FLG LINENO --- HIT(S) FOUND FOR MEMBER ABCTST01 ---
HIT 5 //IEBCOPY EXEC PGM=IEBCOPY

FLG LINENO --- HIT(S) FOUND FOR MEMBER XYZTST02 ---
HIT 1 //@SSTEST2 JOB (SST), 'IEBCOPY',MSGCLASS=T,CLASS=R,NOTIFY=&SYSUID
HIT 11 //STEP0002 EXEC PGM=IEBCOPY

END OF REPORT
PROCESSING COMPLETED - HIGHEST RETURN CODE WAS 0000
***** BOTTOM OF DATA *****
```

PARM – Range (📎)

- Scan a range of members (ABC* - ABE*) for a particular text string

```
Menu Utilities Compilers Help
-----
BROWSE      PRDSS.R2221.PDSM18.EXAMPLES (PDSM18B) - 01. Line 00000000 Col 001 080
Command ==>                               Scroll ==> CSR
***** Top of Data *****
//@SSPDS18 JOB (SST), 'PDSM18',MSGCLASS=T,CLASS=R,NOTIFY=&SYSUID
//*-----*
//*  PURPOSE:  SCAN A RANGE OF MEMBERS (ABC-ABE) FOR TEXT STRING
//*-----*
//PDSM18 EXEC PGM=PDSM18, PARM='ABC-ABE' /* PARM=[MEMBERS] */
//PDSMRPT DD SYSOUT=*
//PDSMPDS DD DISP=SHR,DSN=PRDSS.R2221.PDSM18.TESTFILE
//SYSIN DD *
SCAN TARGET='IEBCOPY'
***** Bottom of Data *****
```

PARM – Range – Results

- **PDSMRPT** report after executing the command

```
Display Filter View Print Options Search Help
-----
SDSF OUTPUT DISPLAY @SSPDS18 J0931195  DSID   102 LINE 0          COLUMNS 02- 81
COMMAND INPUT ==>                               SCROLL ==> CSR
***** TOP OF DATA *****
PDSMAN      r7.70                                GLOBAL STRING SCAN/REPLACE
** PDSM18 **  DV21                               CONTROL STATEMENT EDIT
SEQ  CONTROL STATEMENT
-----
      1 SCAN TARGET='IEBCOPY'
PDSMAN      r7.70                                GLOBAL STRING SCAN/REPLACE
** PDSM18 **  DV21                               PRDSS.R2221.PDSM18.TESTFIL

FLG LINENO  --- HIT(S)      FOUND FOR MEMBER ABCTST01  ---
HIT         5 //IEBCOPY EXEC PGM=IEBCOPY

FLG LINENO  --- HIT(S)      FOUND FOR MEMBER ABDTST01  ---
HIT         5 //IEBCOPY EXEC PGM=IEBCOPY

FLG LINENO  --- HIT(S)      FOUND FOR MEMBER ABETST01  ---
HIT         5 //IEBCOPY EXEC PGM=IEBCOPY

END OF REPORT
PROCESSING COMPLETED - HIGHEST RETURN CODE WAS 0000
```

SCAN – SCOL and ECOL (📎)

- Scan all members for a particular text string in columns 1 thru 40

```
Menu Utilities Compilers Help
-----
BROWSE      PRDSS.R2221.PDSM18.EXAMPLES(PDSM18C) - 01. Line 00000000 Col 001 080
Command ==>                               Scroll ==> CSR
***** Top of Data *****
//@SSPDS18 JOB (SST), 'PDSM18',MSGCLASS=T,CLASS=R,NOTIFY=&SYSUID
//*-----*
//*  PURPOSE:  SCAN ALL MEMBERS FOR ' PGM=IEBCOPY' IN COLUMNS 1-40
//*-----*
//PDSM18     EXEC PGM=PDSM18
//PDSMRPT   DD  SYSOUT=*
//PDSMPDS   DD  DISP=SHR,DSN=PRDSS.R2221.PDSM18.TESTFILE
//SYSIN     DD  *
SCAN TARGET=' PGM=' ,
CONT=' IEBCOPY' ,
SCOL=1 ,
ECOL=40
***** Bottom of Data *****
```

SCAN – SCOL and ECOL – Results

- **PDSMRPT** report after executing the command

```
Display Filter View Print Options Search Help
-----
SDSF OUTPUT DISPLAY @SSPDS18 J0935872 DSID 102 LINE 0 COLUMNS 02- 81
COMMAND INPUT ==> SCROLL ==> CSR
***** TOP OF DATA *****
PDSMAN r7.70 GLOBAL STRING SCAN/REPLACE
** PDSM18 ** DV21 CONTROL STATEMENT EDIT
SEQ CONTROL STATEMENT
-----
1 SCAN TARGET=' PGM=' ,
CONT='IEBCOPY' ,
SCOL=1,
ECOL=40
PDSMAN r7.70 GLOBAL STRING SCAN/REPLACE
** PDSM18 ** DV21 PRDSS.R2221.PDSM18.TESTFIL
NO TARGET STRINGS FOUND IN MEMBER TEST001
NO TARGET STRINGS FOUND IN MEMBER TEST002
-----
FLG LINENO --- HIT(S) FOUND FOR MEMBER TEST003 ---
HIT 11 //STEP0002 EXEC PGM=IEBCOPY
-----
END OF REPORT
PROCESSING COMPLETED - HIGHEST RETURN CODE WAS 0000
***** BOTTOM OF DATA *****
```

SCAN – Multiple (📎)

- Scan all members for two different text strings

```
Menu Utilities Compilers Help
-----
BROWSE      PRDSS.R2221.PDSM18.EXAMPLES(PDSM18D) - 01. Line 00000000 Col 001 080
Command ==>                               Scroll ==> CSR
***** Top of Data *****
//@SSPDS18 JOB (SST), 'PDSM18',MSGCLASS=T,CLASS=R,NOTIFY=&SYSUID
//*-----*
//*  PURPOSE:  SCAN ALL MEMBERS FOR ' PGM=' OR 'SYSUT2'
//*-----*
//PDSM18     EXEC PGM=PDSM18
//PDSMRPT   DD  SYSOUT=*
//PDSMPDS   DD  DISP=SHR,DSN=PRDSS.R2221.PDSM18.TESTFILE
//SYSIN     DD  *
SCAN TARGET=' PGM='
SCAN TARGET=' SYSUT2 '
***** Bottom of Data *****
```

SCAN – Multiple – Results

- **PDSMRPT** report after executing the command

```
Display Filter View Print Options Search Help
-----
SDSF OUTPUT DISPLAY @SSPDS18 J0937841 DSID 102 LINE 0 COLUMNS 02- 81
COMMAND INPUT ==> SCROLL ==> CSR
***** TOP OF DATA *****
PDSMAN r7.70 GLOBAL STRING SCAN/REPLACE
** PDSM18 ** DV21 CONTROL STATEMENT EDIT
SEQ CONTROL STATEMENT
-----
1 SCAN TARGET=' PGM='
2 SCAN TARGET='SYSUT2'
PDSMAN r7.70 GLOBAL STRING SCAN/REPLACE
** PDSM18 ** DV21 PRDSS.R2221.PDSM18.TESTFIL
NO TARGET STRINGS FOUND IN MEMBER TEST001
-----
FLG LINENO --- HIT(S) FOUND FOR MEMBER TEST002 ---
HIT 7 //STEP0001 EXEC PGM=IEFBR14
-----
FLG LINENO --- HIT(S) FOUND FOR MEMBER TEST003 ---
HIT 5 //STEP0001 EXEC PGM=IEBCOPY
HIT 8 //SYSUT2 DD DISP=SHR,DSN=PRDSS.R2221.PDSM18.TESTFIL3
HIT 10 COPY INDD=((SYSUT1,R)),OUTDD=SYSUT2
-----
END OF REPORT
```

SCAN – CONDEQ (📎)

- Scan all members for two different text strings on the same row

```
Menu Utilities Compilers Help
-----
BROWSE      PRDSS.R2221.PDSM18.EXAMPLES(PDSM18E) - 01. Line 00000000 Col 001 080
Command ==>                               Scroll ==> CSR
***** Top of Data *****
//@SSPDS18 JOB (SST), 'PDSM18',MSGCLASS=T,CLASS=R,NOTIFY=&SYSUID
//*-----*
//*  PURPOSE:  SCAN ALL MEMBERS FOR 'SYSUT1' AND 'TESTFILE'
//*-----*
//PDSM18     EXEC PGM=PDSM18
//PDSMRPT   DD  SYSOUT=*
//PDSMPDS   DD  DISP=SHR,DSN=PRDSS.R2221.PDSM18.TESTFILE
//SYSIN     DD  *
SCAN TARGET='SYSUT1'
CONDEQ='TESTFILE'
***** Bottom of Data *****
```


SCAN – CONDEQ – Results

- **PDSMRPT** report after executing the command

```
Display Filter View Print Options Search Help
-----
SDSF OUTPUT DISPLAY @SSPDS18 J0946275  DSID   102 LINE 0          COLUMNS 02- 81
COMMAND INPUT ==>                               SCROLL ==> CSR
***** TOP OF DATA *****
PDSMAN      r7.70                                GLOBAL STRING SCAN/REPLACE
** PDSM18 **  DV21                                CONTROL STATEMENT EDIT
SEQ  CONTROL STATEMENT
-----
      1  SCAN TARGET='SYSUT1'
          CONDEQ='TESTFILE'
PDSMAN      r7.70                                GLOBAL STRING SCAN/REPLACE
** PDSM18 **  DV21                                PRDSS.R2221.PDSM18.TESTFIL
NO TARGET STRINGS FOUND  IN MEMBER TEST001
NO TARGET STRINGS FOUND  IN MEMBER TEST002
-----
FLG LINENO --- HIT(S)          FOUND FOR MEMBER TEST003      ---
HIT      7 //SYSUT1  DD  DISP=SHR,DSN=PRDSS.R2221.PDSM18.TESTFILE
-----
END OF REPORT
PROCESSING COMPLETED - HIGHEST RETURN CODE WAS 0000
***** BOTTOM OF DATA *****
```

REPLACE – SIMULATE (📎)

- Simulate replacing two different text strings in all members

```
Menu Utilities Compilers Help
-----
BROWSE      PRDSS.R2221.PDSM18.EXAMPLES(PDSM18F) - 01. Line 00000000 Col 001 080
Command ==>                               Scroll ==> CSR
***** Top of Data *****
//@SSPDS18 JOB (SST), 'PDSM18',MSGCLASS=T,CLASS=R,NOTIFY=&SYSUID
//*-----*
//*  PURPOSE:  SIMULATE REPLACING TEXT IN ALL MEMBERS
//*-----*
//PDSM18     EXEC PGM=PDSM18
//PDSMRPT   DD  SYSOUT=*
//PDSMPDS   DD  DISP=SHR,DSN=PRDSS.R2221.PDSM18.TESTFILE
//SYSIN     DD  *
OPTION      SIMULATE=Y
REPLACE    TARGET='IEBCOPY'
           NEW='IDCAMS'
REPLACE    TARGET='TESTFILE'
           NEW='XXXXFILE'
***** Bottom of Data *****
```

REPLACE – SIMULATE – Results

- PDSMRPT report after executing the command

```
Display Filter View Print Options Search Help
-----
SDSF OUTPUT DISPLAY @SSPDS18 J0950796  DSID   102 LINE 0          COLUMNS 02- 81
COMMAND INPUT ==>                               SCROLL ==> CSR
***** TOP OF DATA *****
PDSMAN      r7.70                                GLOBAL STRING SCAN/REPLACE
** PDSM18 **  DV21                                CONTROL STATEMENT EDIT
SEQ  CONTROL STATEMENT
-----
OPT  OPTION  SIMULATE=Y
  1  REPLACE TARGET='IEBCOPY'
      NEW='IDCAMS'
  2  REPLACE TARGET='TESTFILE'
      NEW='XXXXFILE'
-----
PDSM18-13 SIMULATE OPTION SPECIFIED - STRING REPLACEMENTS WILL BE REPORTED BUT
          NOT PERFORMED
-----
PDSMAN      r7.70                                GLOBAL STRING SCAN/REPLACE
** PDSM18 **  DV21                                PRDSS.R2221.PDSM18.TESTFIL
-----
FLG LINENO  --- HITS/REPLACES FOUND FOR MEMBER TEST003  ---
REP      1  //@SSTEST3 JOB (SST) , 'IDCAMS' ,MSGCLASS=T,CLASS=R,NOTIFY=&SYSUID
REP      5  //STEP0001 EXEC PGM=IDCAMS
REP      7  //SYSUT1  DD  DISP=SHR,DSN=PRDSS.R2221.PDSM18.XXXXXFILE
-----
END OF REPORT
```

REPLACE – Multiple (📎)

- Replace two different text strings in all members

```
Menu Utilities Compilers Help
-----
BROWSE      PRDSS.R2221.PDSM18.EXAMPLES (PDSM18F) - 01. Line 00000000 Col 001 080
Command ==>                               Scroll ==> CSR
***** Top of Data *****
//@SSPDS18 JOB (SST) , 'PDSM18' ,MSGCLASS=T,CLASS=R,NOTIFY=&SYSUID
//*-----*
//*  PURPOSE:  REPLACE TEXT IN ALL MEMBERS
//*-----*
//PDSM18     EXEC PGM=PDSM18
//PDSMRPT   DD  SYSOUT=*
//PDSMPDS   DD  DISP=SHR,DSN=PRDSS.R2221.PDSM18.TESTFILE
//SYSIN     DD  *
REPLACE TARGET='IEBCOPY'
NEW='IDCAMS'
REPLACE TARGET='TESTFILE'
NEW='XXXXFILE'
***** Bottom of Data *****
```

REPLACE – Multiple – Results

- PDSMRPT report after executing the command

```
Display Filter View Print Options Search Help
-----
SDSF OUTPUT DISPLAY @SSPDS18 J0950177 DSID 102 LINE 0 COLUMNS 02- 81
COMMAND INPUT ==> SCROLL ==> CSR
***** TOP OF DATA *****
PDSMAN r7.70 GLOBAL STRING SCAN/REPLACE
** PDSM18 ** DV21 CONTROL STATEMENT EDIT
SEQ CONTROL STATEMENT
-----
1 REPLACE TARGET='IEBCOPY'
NEW='IDCAMS'
2 REPLACE TARGET='TESTFILE'
NEW='XXXXFILE'
PDSMAN r7.70 GLOBAL STRING SCAN/REPLACE
** PDSM18 ** DV21 PRDSS.R2221.PDSM18.TESTFIL
NO TARGET STRINGS FOUND IN MEMBER TEST001
NO TARGET STRINGS FOUND IN MEMBER TEST002
-----
FLG LINENO --- HITS/REPLACES FOUND FOR MEMBER TEST003 ---
REP 1 //@SSTEST3 JOB (SST) , 'IDCAMS' ,MSGCLASS=T,CLASS=R,NOTIFY=&SYSUID
REP 5 //STEP0001 EXEC PGM=IDCAMS
REP 7 //SYSUT1 DD DISP=SHR,DSN=PRDSS.R2221.PDSM18.XXXXFILE
-----
END OF REPORT
```

REPLACE – WILDCARD (📎)

- Change job name from R2221 to @SSR2221

```
Menu Utilities Compilers Help
-----
BROWSE      PRDSS.R2221.PDSM18.EXAMPLES (PDSM18H) - 01. Line 00000000 Col 001 080
Command ==>                               Scroll ==> CSR
***** Top of Data *****
//@SSPDS18 JOB (SST), 'PDSM18',MSGCLASS=T,CLASS=R,NOTIFY=&SYSUID
//*-----*
//*  PURPOSE:  CHG JOB NAME FROM R2221## TO @SSR2221
//*-----*
//PDSM18 EXEC PGM=PDSM18
//PDSMRPT DD SYSOUT=*
//PDSMPDS DD DISP=SHR,DSN=PRDSS.R2221.PDSM18.TESTFILE
//SYSIN DD *
OPTION WILDCARD=Y
REPLACE TARGET='//R2221+++',NEW='//@SSR2221',
CONDEQ=' JOB ',SCOL=1,ECOL=15
***** Bottom of Data *****
```

REPLACE – WILDCARD – Results

- PDSMRPT report after executing the command

```
Display Filter View Print Options Search Help
-----
SDSF OUTPUT DISPLAY @SSPDS18 J0983143  DSID   102 LINE 0          COLUMNS 02- 81
COMMAND INPUT ==>                               SCROLL ==> CSR
***** TOP OF DATA *****
PDSMAN      r7.70                                GLOBAL STRING SCAN/REPLACE
** PDSM18 **  DV21                                CONTROL STATEMENT EDIT
SEQ  CONTROL STATEMENT
-----
OPT  OPTION  WILDCARD=Y
    1  REPLACE TARGET='//R2221+++',NEW='//@SSR2221',
        CONDEQ=' JOB ',SCOL=1,ECOL=15
PDSMAN      r7.70                                GLOBAL STRING SCAN/REPLACE
** PDSM18 **  DV21                                PRDSS.R2221.PDSM18.TESTFIL
NO TARGET STRINGS FOUND  IN MEMBER TEST001
-----
FLG LINENO  --- HITS/REPLACES FOUND FOR MEMBER TEST002  ---
REP      1  //@SSR2221 JOB (SST) , 'TEST2' ,MSGCLASS=T,CLASS=R,NOTIFY=&SYSUID
-----
FLG LINENO  --- HITS/REPLACES FOUND FOR MEMBER TEST003  ---
REP      1  //@SSR2221 JOB (SST) , 'TEST3' ,MSGCLASS=T,CLASS=R,NOTIFY=&SYSUID
-----
END OF REPORT
PROCESSING COMPLETED - HIGHEST RETURN CODE WAS 0000
```

REPLACE – Prefix (📎)

- Add text (XYZ) to the beginning of all the records in a member

```
Menu Utilities Compilers Help
-----
BROWSE      PRDSS.R2221.PDSM18.EXAMPLES(PDSM18I) - 01. Line 00000000 Col 001 080
Command ==>                               Scroll ==> CSR
***** Top of Data *****
//@SSPDS18 JOB (SST), 'PDSM18',MSGCLASS=T,CLASS=R,NOTIFY=&SYSUID
//*-----*
//*  PURPOSE:  ADD 'XYZ' TO BEGINNING OF ALL RECORDS IN A MEMBER
//*-----*
//PDSM18 EXEC PGM=PDSM18,PARM='TEST001' /* PARM=[MEMBERS] */
//PDSMRPT DD SYSOUT=*
//PDSMPDS DD DISP=SHR,DSN=PRDSS.R2221.PDSM18.TESTFILE
//SYSIN DD *
OPTION WILDCARD=Y
REPLACE TARGET=*,NEW=XYZ*
***** Bottom of Data *****
```


REPLACE – Prefix – Results

- **PDSMRPT** report after executing the command

```
Display Filter View Print Options Search Help
-----
SDSF OUTPUT DISPLAY @SSPDS18 J0987763  DSID   102 LINE 0          COLUMNS 02- 81
COMMAND INPUT ==>                               SCROLL ==> CSR
***** TOP OF DATA *****
PDSMAN      r7.70                                GLOBAL STRING SCAN/REPLACE
** PDSM18 **  DV21                                CONTROL STATEMENT EDIT
SEQ  CONTROL STATEMENT
-----
OPT      OPTION WILDCARD=Y
  1  REPLACE TARGET=*,NEW=XYZ*
PDSMAN      r7.70                                GLOBAL STRING SCAN/REPLACE
** PDSM18 **  DV21                                PRDSS.R2221.PDSM18.TESTFIL
-----
FLG LINENO  --- HITS/REPLACES FOUND FOR MEMBER TEST001  ---
REP      1 XYZThis is a test.  Record no.  1
REP      2 XYZThis is a test.  Record no.  2
-----
END OF REPORT
PROCESSING COMPLETED - HIGHEST RETURN CODE WAS 0000
***** BOTTOM OF DATA *****
```

REPLACE – Sequence Numbers (📎)

- Remove sequence numbers in columns 73 to 80 in a member

```
Menu Utilities Compilers Help
-----
BROWSE      PRDSS.R2221.PDSM18.EXAMPLES (PDSM18J) - 01. Line 00000000 Col 001 080
Command ==>                               Scroll ==> CSR
***** Top of Data *****
//@SSPDS18 JOB (SST), 'PDSM18',MSGCLASS=T,CLASS=R,NOTIFY=&SYSUID
/*-----*
/*  PURPOSE:  REMOVE SEQUENCE NUMBERS IN COLUMNS 73 THRU 80
/*-----*
//PDSM18 EXEC PGM=PDSM18, PARM='TEST002' /* PARM=[MEMBERS] */
//PDSMRPT DD SYSOUT=*
//PDSMPDS DD DISP=SHR,DSN=PRDSS.R2221.PDSM18.TESTFILE
//SYSIN DD *
OPTION WILDCARD=Y
REPLACE TARGET=+,NEW=' ',SCOL=73,ECOL=80
***** Bottom of Data *****
```

REPLACE – Sequence Numbers – Results

- PDSMRPT report after executing the command

```
Display Filter View Print Options Search Help
-----
SDSF OUTPUT DISPLAY @SSPDS18 J0988176 DSID 102 LINE 0 COLUMNS 03- 82
COMMAND INPUT ==> SCROLL ==> CSR
***** TOP OF DATA *****
DSMAN r7.70 GLOBAL STRING SCAN/REPLACE
* PDSM18 ** DV21 CONTROL STATEMENT EDIT
SEQ CONTROL STATEMENT
-----
OPT OPTION WILDCARD=Y
1 REPLACE TARGET=+,NEW=' ',SCOL=73,ECOL=80
DSMAN r7.70 GLOBAL STRING SCAN/REPLACE
* PDSM18 ** DV21 PRDSS.R2221.PDSM18.TESTFILE

FLG LINENO --- HITS/REPLACES FOUND FOR MEMBER TEST002 ---
REP 1 //@SSR2221 JOB (SST), 'TEST2',MSGCLASS=T,CLASS=R,NOTIFY=&SYSUID
REP 2 //STEP0001 EXEC PGM=IEFBR14
REP 3 //CREATE DD DSN=PRDSS.R2221.PDSM18.TESTFILE,
REP 4 // DISP=(NEW,CATLG,DELETE),
REP 5 // DCB=(RECFM=FB,LRECL=80,BLKSIZE=0),
REP 6 // SPACE=(CYL,(5,3,25))

ND OF REPORT
ROCESSING COMPLETED - HIGHEST RETURN CODE WAS 0000
```

REPLACE – CONDEQ (📎)

- Change 'DSN=' to 'DSNAME=' and if 'UNIT=3390' change 'VOL=' to 'VOLUME='

```
Menu Utilities Compilers Help
-----
BROWSE      PRDSS.R2221.PDSM18.EXAMPLES (PDSM18K) - 01. Line 00000000 Col 001 080
Command ==>                               Scroll ==> CSR
***** Top of Data *****
//@SSPDS18 JOB (SST), 'PDSM18',MSGCLASS=T,CLASS=R,NOTIFY=&SYSUID
//*-----*
//*  PURPOSE:  CHG DSN= TO DSNAME= AND IF UNIT=3390 CHG VOL= TO VOLUME=
//*-----*
//PDSM18 EXEC PGM=PDSM18,PARM='TEST004' /* PARM=[MEMBERS] */
//PDSMRPT DD SYSOUT=*
//PDSMPDS DD DISP=SHR,DSN=PRDSS.R2221.PDSM18.TESTFILE
//SYSIN DD *
OPTION LISTMEM=N ECOL=72
REPLACE TARGET='DSN=' ,NEW='DSNAME='
REPLACE TARGET='VOL=' ,NEW='VOLUME=' ,CONDEQ='UNIT=3390'
***** Bottom of Data *****
```

REPLACE – CONDEQ – Results

- PDSMRPT report after executing the command

```
Display Filter View Print Options Search Help
-----
SDSF OUTPUT DISPLAY @SSPDS18 J0988561  DSID   102 LINE 0          COLUMNS 02- 81
COMMAND INPUT ==>                               SCROLL ==> CSR
***** TOP OF DATA *****
PDSMAN      r7.70                                GLOBAL STRING SCAN/REPLACE
** PDSM18 **  DV21                               CONTROL STATEMENT EDIT
SEQ  CONTROL STATEMENT
-----
OPT  OPTION LISTMEM=N ECOL=72
  1  REPLACE TARGET='DSN=' ,NEW='DSNAME='
  2  REPLACE TARGET='VOL=' ,NEW='VOLUME=' ,CONDEQ='UNIT=3390'
PDSMAN      r7.70                                GLOBAL STRING SCAN/REPLACE
** PDSM18 **  DV21                               PRDSS.R2221.PDSM18.TESTFIL
-----
FLG LINENO  --- HITS/REPLACES FOUND FOR MEMBER TEST004  ---
REP      3 //CREATE  DD  DSNAME=PRDSS.R2221.PDSM18.TESTFILE,
REP      7 //                               VOLUME=SYSR01,UNIT=3390
-----
END OF REPORT
PROCESSING COMPLETED - HIGHEST RETURN CODE WAS 0000
***** BOTTOM OF DATA *****
```

Links

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

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

Conclusion

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

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

Any questions or comments please contact

Bruce Koss

Wells Fargo Mainframe Operating Systems Support

Bruce.Koss@WellsFargo.com

(704) 600-8416



#SHAREorg



SHARE is an independent volunteer-run information technology association that provides **education, professional networking and industry influence.**

