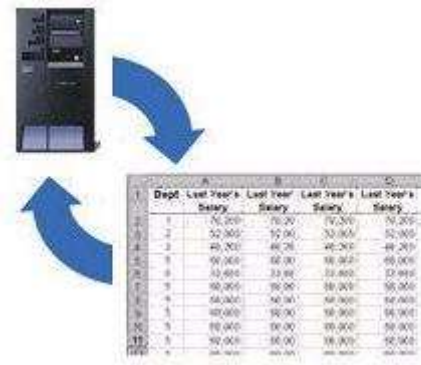


TM

# KemeTECH ConversionSuite



## CVTSPLF(Convert Spooled File) Programmer's Reference Manual

Version 2 Release 1 Modification 1

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## CHAPTER 1 - How To Use The Convert Spooled File To Excel (CVTSPLFXLS) Command

### Functionality

- Define the spooled file to be converted.
- Create an XLS file for use with Microsoft Excel, Lotus 1-2-3 or any other program capable of reading an XLS file.
- Move to an AS/400 IFS for processing by the client application or retain as AS/400 DB2 file for distribution to internet or distribution by host e-mail application.

### Advantages

- The main advantage of CVTSPLFXLS is the ability to define the conversion once and run multiple times.
- No programming knowledge, knowledge of EBCDIC to ASCII conversions or knowledge of the .XLS file format is necessary.
- Easy to implement, simply define the spooled file parsing and formatting information.
- Numeric, date and time report formats are converted.

### Limitations

- Spooled file attributes like, bold and underline are presently not carried forward into the XLS file.

### Usage

#### Spooled File (FILE)

Specifies the name of the spooled file that is to be converted to a PC file. This is a required parameter.

#### Job Name (JOB)

Specifies the job name, user name and job number of the job that created the spooled file. This is a required parameter.

#### **job-name**

Specify the name of the job that created the spooled file. Possible

values are:

**\***

**—** The job that issued this command is the job that created the spooled file.

#### **job-name**

Specify the name of the job that created the spooled file.

#### **user-name**

Specify the user-name of the user profile under which the job is run.

#### **job-number**

Specify the system-assigned job number.

---

## **CHAPTER 1 - How To Use The Convert Spooled File To Excel (CVTSPLFXLS) Command**

### **Spooled File Number (SPLNBR)**

Specifies the number of the spooled file. Possible

values are:

#### **\*ONLY**

Only one spooled file in the job has the specified file name.

#### **\*LAST**

The spooled file with the highest number and the specified file name is used.

#### **spooled-file number**

Specify the number of the spooled file.

### **To File (TOFILE)**

Specifies the name of the AS/400 file that will receive the converted spooled file. This is a required parameter.

Possible values are:

#### **to-file**

Specify the name of the file that receives the converted records.

#### **\*FLDR**

Specify \*FLDR to indicate that an IFS file will receive the converted records.

The to-file name can be qualified by one of the following library values:

#### **\*LIBL**

All libraries in the job's library list are searched until the first match is found.

#### **\*CURLIB**

The current library for the job is searched. If no library is specified as the current library for the job, the QGPL library is used.

#### **library-name**

Specify the name of the library to be searched.

### **AS/400 File Text(TEXT)**

Specifies the text that briefly describes the file.

### **Stream File(STMF)**

Specifies the path name of the stream file.

### **Skip Line/Page (SKIPLNPG)**

Specify the number of lines and/or pages to skip. The two left digits of the SKIPLNPG parameter specify the number of lines to skip, the two right digits of the SKIPLNPG parameter specify the number of pages to skip. CVTSPLFXLS will skip the number of pages specified before processing the remainder of the report.

### **Heading Lines (HDGLNS)**

Specify the number of lines of the report headings that are to be used for the converted spooled file. Heading lines will be placed at the top of the converted file and will appear only once.

## **CHAPTER 1 - How To Use The Convert Spooled File To Excel (CVTSPLFXLS) Command**

### **Parse Heading (PRSHDG)**

Specifies if the report headings will be parsed based on the COLINFO FROM and TO positions or if the report headings will remain one continuous string of characters. Possible values are:

Possible values are:

#### **\*YES**

The report headings will be parsed based on the COLINFO FROM and TO positions

#### **\*NO**

The report headings will NOT be parsed based on the COLINFO FROM and TO positions.

### **Century Indicator(CNTRY)**

Specifies a two digit value that two(2) digit years greater than or equal to this value will be preceded with '19' to indicate the 20<sup>th</sup> century. Two (2) digit years less than this value will be preceded with '20' to indicate the 21<sup>st</sup> century.

### **Ignore Blank Lines (IGNBLNK)**

Specifies whether blank lines in the report are ignored and not included in the resulting PC file. Possible values are:

#### **\*YES**

Blank lines in the report are ignored and not included in the resulting PC file.

#### **\*NO**

Blank lines in the report are converted and placed in the resulting PC file.

### **Detail Line Constant (DTLLINE)**

Specify a constant string that will be compared to each line of the spooled file. The spooled file data between the positions specified by the Detail Line Start Position parameter (DTLSTART) and the Detail Line End Position parameter (DTLEND) will be compared to this constant based on the relational operator specified in the Detail Line Logical Operator (DTLOPR) parameter.

### **Detail Line Logical Operator (DTLOPR)**

Specify a logical operator that will be used to perform a logical comparison between the Detail Line Constant (DLTCON) and the spooled file data.

Possible values are:

#### **\*EQ**

The spooled file data specified between the Detail Line Start Position (DTLSTART) and the Detail Line End Position (DTLEND) must equal the Detail Line Constant (DTLCON).

#### **\*NE**

The spooled file data specified between the Detail Line Start Position (DTLSTART) and the Detail Line End Position (DTLEND) must not equal the Detail Line Constant (DTLCON).

## **CHAPTER 1 - How To Use The Convert Spooled File To Excel (CVTSPLFXLS) Command**

### **Detail Line Logical Operator (DTLOPR)**(Cont'd)

#### **\*GT**

The spooled file data specified between the Detail Line Start Position (DTLSTART) and the Detail Line End Position (DTLEND) must be greater than the Detail Line Constant (DTLCON).

#### **\*LT**

The spooled file data specified between the Detail Line Start Position (DTLSTART) and the Detail Line End Position (DTLEND) must be less than the Detail Line Constant (DTLCON).

#### **\*GE**

The spooled file data specified between the Detail Line Start Position (DTLSTART) and the Detail Line End Position (DTLEND) must be greater than or equal to the Detail Line Constant (DTLCON).

#### **\*LE**

The spooled file data specified between the Detail Line Start Position (DTLSTART) and the Detail Line End Position (DTLEND) must be less than or equal to the Detail Line Constant (DTLCON).

### **Detail Line Start (DTLSTART)**

Specifies the starting print position of the Detail Line Constant (DTLLINE).

### **Detail Line End (DTLEND)**

Specifies the ending print position of the Detail Line Constant (DTLLINE).

### **Column Information**

Specifies the from-format, to-format, starting print position and ending print position for a column. Up to 256 columns may be defined.

#### **from-format**

Specify the data format of the column. Possible values are:

##### **\*CHAR**

The spooled file data is in character format.

##### **\*DMY**

The spooled file data is in DD-MM-YY date format.

##### **\*EUR**

The spooled file data is in DD-MM-YYYY date format.

##### **\*HM**

The spooled file data is in HH:MM time format.

##### **\*HMS**

The spooled file data is in HH:MM:SS time format.

##### **\*ISO**

The spooled file data is in YYYY-MM-DD dateformat.



## **CHAPTER 1 - How To Use The Convert Spooled File To Excel (CVTSPLFXLS) Command**

### **Column Information** (Cont'd)

**\*JUL**

The spooled file data is in YYYY-DDD (Julian) date format.

**\*MDY**

The spooled file data is in MM-DD-YY date format.

**\*NUM**

The spooled file data is in numeric format.

**\*USA**

The spooled file data is in MM-DD-YYYY date format.

**\*YMD**

The spooled file data is in YY-MM-DD date format.

**to-format**

Specify the desired format that the column data will be converted to.

Possible values are:

**\*SAME**

The spooled file data will be converted to the format specified in the from-format.

**\*CHAR**

The spooled file data is in character format.

**\*DMY**

The spooled file data is in DD-MM-YY date format.

**\*EUR**

The spooled file data is in DD-MM-YYYY date format.

**\*HM**

The spooled file data is in HH:MM time format.

**\*HMS**

The spooled file data is in HH:MM:SS time format.

**\*ISO**

The spooled file data is in YYYY-MM-DD date format.

**\*JUL**

The spooled file data is in YYYY-DDD (Julian) date format.

**\*MDY**

The spooled file data is in MM-DD-YY date format.

**\*NUM**

The spooled file data is in numeric format.

**\*USA**

## **CHAPTER 1 - How To Use The Convert Spooled File To Excel (CVTSPLFXLS) Command**

### **Column Information** (Cont'd)

The spooled file data is in MM-DD-YYYY date format.

#### **\*YMD**

The spooled file data is in YY-MM-DD date format

#### **starting-position**

Specify the starting print position for this column.

## CHAPTER 1 - How To Use The Convert Spooled File To Excel (CVTSPLFXLS) Command

### Column Information (Cont'd)

**ending-position**

Specify the ending print position for this column.

---

# CHAPTER 2

## Sample CVTSPLFXLS Command

### Sample Spooled File

Execute the following command to produce a printed listing of the CSUITE library.

```
DSPOBJD OBJ(CSUITE/*ALL) OBJTYPE(*ALL) OUTPUT(*PRINT)
```

Enter the following command to display the spooled file.

```
WRKSPLF
```

Search for the spooled file named "QPRTOBJD" and enter a 5 in the Opt field to display it. You should see a display similar to the one shown below.

```
Display Spooled File
File      : QPRTOBJD      Page/Line  1/1
Control   : _____  Columns     1 - 79
Find      :
*.....1.....2.....3.....4.....5.....6.....7.....+...
5722881 V5R2M0 020719      Display Object Description - Basic
Library   : CSUITE      ASP device : *SYSBAS
Object    Type      Attribute      Size      Text
CDBFDB    *PGM      RPGLE          999424   Convert Database File to
CDBFIMP    *PGM      RPGLE          544768   Convert Database File to
CDBFXLS    *PGM      RPGLE        2678592   Convert Database File To
CSFXLS     *PGM      RPGLE          700416   Convert Spooled File to E
CVTDBFDBC *PGM      CLP            94208    Convert Database File to
CVTDBFIMPC *PGM      CLP            90112    Convert Database File to
CVTDBFXLSC *PGM      CLP            86016    Convert Database File to
CVTSPLFC   *PGM      CLP            73728    Convert Spooled File Comm
VERSIONC   *PGM      CLP            36864
VERSIONR   *PGM      RPGLE        106496   Display Product Version F
CVTMSG     *MSGF
CVTDBG     *FILE     PF            32768    Convert Library Debug Fil
QDDSSRC    *FILE     PF          126976   Convert Library DDS File
More...

F3=Exit  F12=Cancel  F19=Left  F20=Right  F24=More keys

03/022
```

## CHAPTER 2 - Sample Command

The following displays show an example of the CVTSPLFXLS command that will convert the CSUITE library listing to an Excel spreadsheet named DSPOBJD.XLS and store the contents in an IFS folder named QDLS, in a subfolder named DOWNLOAD. Please substitute the name of a subfolder on your system in place of "DOWNLOAD"

```
Convert Spooled File (CVTSPLF)

Type choices, press Enter.

Spooled file . . . . . > QPRTOBJD      Name
Job name . . . . . > QPADEV0001     Name
User . . . . . > NDE30222         Name
Number . . . . . > 012357          000000-999999
Spooled file number . . . . . > 2      1-9999, *ONLY, *LAST
To data base file . . . . . > *STMF   Name, *STMF
Library . . . . . > *LIBL           Name, *LIBL, *CURLIB
AS/400 file text . . . . . >

Stream File . . . . . /gdls/download/dppobjd.xls

Number of lines/pages to skip . 0      0-9999
Heading lines . . . . . > 3          0-15
Parse heading lines . . . . . *YES     *YES, *NO

F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys

More...

20/037
```

```
Convert Spooled File (CVTSPLF)

Type choices, press Enter.

Ignore blank lines . . . . . *YES      *YES, *NO
Detail line start position . . . . . _____ Number
Detail line end position . . . . . _____ Number
Detail line logical operator . . *EQ    *EQ, *NE, *GT, *LT, *GE, *LE
Detail line constant . . . . . _____

F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys

More...

05/037
```

## CHAPTER 2 - Sample Command

---

```
Convert Spooled File (CVTSPLF)

Type choices, press Enter.

Column FROM format . . . . . > *CHAR          *CHAR, *NUM, *DMY, *MDY, *YMD
Column TO format . . . . . > *SAME          *CHAR, *NUM, *DMY, *MDY, *YMD
Starting position . . . . . > 1              001-256
Ending position . . . . . > 15             001-256
                             > *CHAR
                             > *SAME
                             > 16
                             > 25
                             > *CHAR
                             > *SAME
                             > 26
                             > 35

More...
F3=Exit   F4=Prompt   F5=Refresh   F12=Cancel   F13=How to use this display
F24=More keys

                                ↕                                05/037
```

```
Convert Spooled File (CVTSPLF)

Type choices, press Enter.

Column FROM format . . . . . > *NUM          *CHAR, *NUM, *DMY, *MDY, *YMD
Column TO format . . . . . > *SAME          *CHAR, *NUM, *DMY, *MDY, *YMD
Starting position . . . . . > 36             001-256
Ending position . . . . . > 51             001-256
+ for more values > *CHAR
                             > *SAME
                             > 54
                             > 100

Bottom
F3=Exit   F4=Prompt   F5=Refresh   F12=Cancel   F13=How to use this display
F24=More keys

                                ↕                                05/037
```

## CHAPTER 2 - Sample Command

Object	Type	Attribute	Size	Text
5722SS1 VSR2M0		020719		Display Object description - Basic 5/0
Library		CSUITE	ASP devic	*SYSBAS
Object	Type	Attribute	Size	Text
CDBFDB	*PGM	RFGLE	999,424	Convert Database File to Dbase
CDBFIMP	*PGM	RFGLE	544,768	Convert Database File to Import File Format
CDBFXLS	*PGM	RFGLE	2,670,592	Convert Database File To Excel
CDFXLS	*PGM	RFGLE	700,416	Convert Spooled File to Excel
CVTDBFDBC	*PGM	CLP	94,208	Convert Database File to Dbase
CVTDBFIMP	*PGM	CLP	90,112	Convert Database File to Import File Format
CVTDBFXLSC	*PGM	CLP	86,016	Convert Database File to Excel
CVTSPLFC	*PGM	CLP	73,728	Convert Spooled File Command Processor
VERSIONC	*PGM	CLP	36,864	Convert Library Product Version Command Processor
VERSIONR	*PGM	RFGLE	106,496	Display Product Version File
CVTMSG	*MSDF		32,768	Conversion library message file
CVTDBG	*FILE	PF	32,768	Convert Library Debug File
QDCSRC	*FILE	PF	126,976	Convert Library DDS File
VERSION	*FILE	PF	57,344	Convert Library Product Version File
VERSIONDF	*FILE	DSFF	8,192	Display Product Version File Display File
CVTDBFDB	*CMD		4,096	Convert Database File to Dbase
CVTDBFIMP	*CMD		16,384	Convert Database File to Import File Format
CVTDBFXLS	*CMD		8,192	Convert Database File to Excel
CVTSPLF	*CMD		8,192	Convert Spooled File
VERSION	*CMD		4,096	Convert Library Product Version Command
CENTURY	*DTALDA		4,096	New Century Year Indicator

### Report Headings

Any report worth reading includes a report heading. The report heading usually contains the date and time the report was created along with report titles, column headings and other important information. Unfortunately for conversion purposes the report headings appear on each page of the report. However, CVTSPLFXLS will convert the first occurrence of the report headings and ignore subsequent report headings. You specify the number of heading lines with the **Heading Lines (HDGLNS)** parameter. An additional parameter, **Parse Heading (PRSHDG)**, will either parse the headings or leave them as one long continuous string for aesthetic purposes.

### Detail Line Selection

By using the detail line options it is possible to select specific report lines.

#### Selecting Specific Detail Lines

The following entries in the detail line options will select detail lines with \*PGM as the object type. CVTSPLFXLS is told to compare the information starting in print position 12 and ending in print position 15 to the constant "\*PGM". If the information in the spooled file between positions 12 and 15 is equal to "\*PGM" the print line will be converted.

Detail line constant . . . . .	*PGM		
Detail line logical operator . .	*EQ	*EQ, *NE, *GT, *LT, *GE, *LE	
Detail line start position . . .	12	Number	
Detail line end position . . . .	15	Number	

## CHAPTER 2 - Sample Command

---

### Loading The Converted Spooled File

The file created by the CVTSPLFXLS command is ready to be accessed by Excel, Lotus 1-2-3 or any PC application capable of processing an .XLS file. No further translation is necessary. If the file will be sent via FTP or downloaded by Client Access, **do not translate it from EBCDIC to ASCII**, the file is already in ASCII format. Use the BINARY option to specify no translation of the .XLS file.

### Using the CPYTOSTMF Command

If you converted the spooled file to a database file and wish to transfer the database file to the IFS use the following example as a guide.

```
CPYTOSTMF  
FROMMBR ('/QSYS.LIB/YOURLIBRARY.LIB/YOURFILE.FILE/YOURFILE.MBR')  
TOSTMF ('/qdfs/data.xls') STMFOPT(*NONE) CVTDTA(*NONE) ENDLINFMT(*FIXED)
```