

Convert Spooled File(CVTSPLF)TM
Version 2.0

Programmer's Reference Manual

KemeTECH

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CHAPTER 1 - How To Use The Convert Spooled File (CVTSPLF) 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 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 CVTSPLF 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.

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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.

Path Name (PATH)

Specify path to the IFS.

PC File Name (PCFILE)

Specify the name of the PC file.

Skip Page (SKIPPG)

Specify the number of pages to skip. CVTSPLF 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.

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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).

***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).

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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 (COL01 - COL26)

Specifies the from-format, to-format, starting print position and ending print position for a column. Up to 26 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 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**

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

***YMD**

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

CHAPTER 1 - How To Use The Convert Spooled File (CVTSPLF) Command

Column Information (COL01 - COL26)(Cont'd)

to-format

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**

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.

ending-position

Specify the ending print position for this column.

CHAPTER 2

Sample CVTSPLF Command

Sample Spooled File

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

DSPOBJD OBJ(CVTLIB/*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.

```
5763SS1 V3R2M0 960517          Display Object Description - Basic          5/19/02
14:23:49          Page    1
Library:  CVTLIB
Object    Type      Attribute      Size  Text
CCHKDOC   *PGM      RPGLE          78336
CDBDBF    *PGM      RPGLE          499712  Convert DBase To Database File
CDBFDB    *PGM      RPGLE          606208  Convert Database File to Dbase
CDBFIMP   *PGM      RPGLE          488960  Convert Database File to Import File
CDBFXLS   *PGM      RPGLE          1434624 Convert Database File To Excel 5.0/95
CSFXLS    *PGM      RPGLE          574464  Convert Spooled File to Excel
CVTDBDFC  *PGM      CLP            27648   Convert DBase to Database File
CVTDBFC   *PGM      CLP            41984   Convert Database File
CVTDBFDBC *PGM      CLP            49152   Convert Database File to Dbase
CVTDBFIMPC *PGM     CLP            40960   Convert Database File to Import File
CVTDBFXLSC *PGM     CLP            48640   Convert Database File to Excel
CVTSPLFC  *PGM      CLP            30208   Convert Spooled File
                                                More...
F3=Exit   F12=Cancel  F19=Left    F20=Right  F24=More keys
```

CHAPTER 2 - Sample Command

The following displays show an example of the CVTSPLF command that will convert the QGPL library listing to an Excel spreadsheet named DSPOBJD.XLS and store the contents in an IFS folder named QDLS, in a subfolder named DOWNLOAD.

```
Convert Spooled File (CVTSPLF)
Type choices, press Enter.
Spooled file . . . . . qprtobjd      Name
Job name . . . . . dsp01           Name, *
  User . . . . . gsecofr         Name
  Number . . . . . 094170        000000-999999
Spooled file number . . . . . 6      1-9999, *ONLY, *LAST
To data base file . . . . . *FLDR      Name, *FLDR
  Library . . . . . *LIBL         Name, *LIBL, *CURLIB
AS/400 file text . . . . . _____
Path name . . . . . /qdl/download
PC file name . . . . . dspobjd.xls
More...
F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys
```

```
Convert Spooled File (CVTSPLF)
Type choices, press Enter.
Number of pages to skip . . . . . 0      0-99
Heading lines . . . . . 3          0-15
Detail line start position . . . . . _____ Number
Detail line end position . . . . . _____ Number
Detail line logical operator . . . . . *EQ      *EQ, *NE, *GT, *LT, *GE, *LE
Detail line constant . . . . . _____
Column 1 FROM format . . . . . *char      *CHAR, *NUM, *DMY, *MDY, *YMD
  Column 1 TO format . . . . . *SAME      *CHAR, *NUM, *DMY, *MDY, *YMD
  Starting position . . . . . 4          001-256
  Ending position . . . . . 14         001-256
Column 2 FROM format . . . . . *char      *CHAR, *NUM, *DMY, *MDY, *YMD
  Column 2 TO format . . . . . *SAME      *CHAR, *NUM, *DMY, *MDY, *YMD
  Starting position . . . . . 16         001-256
  Ending position . . . . . 19         001-256
More...
F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys
```

CHAPTER 2 - Sample Command

Convert Spooled File (CVTSPLF)

Type choices, press Enter.

```

Column 3 FROM format . . . . . *char      *CHAR, *NUM, *DMY, *MDY, *YMD
Column 3 TO format . . . . .  *SAME    *CHAR, *NUM, *DMY, *MDY, *YMD
Starting position . . . . .    26        001-256
Ending position . . . . .    35        001-256
Column 4 FROM format . . . . . *num      *CHAR, *NUM, *DMY, *MDY, *YMD
Column 4 TO format . . . . .  *SAME    *CHAR, *NUM, *DMY, *MDY, *YMD
Starting position . . . . .    40        001-256
Ending position . . . . .    51        001-256
Column 5 FROM format . . . . . *char      *CHAR, *NUM, *DMY, *MDY, *YMD
Column 5 TO format . . . . .  *SAME    *CHAR, *NUM, *DMY, *MDY, *YMD
Starting position . . . . .    54        001-256
Ending position . . . . .    90        001-256
Column 6 FROM format . . . . . *char      *CHAR, *NUM, *DMY, *MDY, *YMD
Column 6 TO format . . . . .  *SAME    *CHAR, *NUM, *DMY, *MDY, *YMD
Starting position . . . . .    _____ 001-256
Ending position . . . . .    _____ 001-256

```

More...

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

	A	B	C	D	E
1	63SS1 V3R2M	960		play Object	scription - Basic
2	brary: CV	LIB			
3	Object	Type	Attribute	Size	Text
4	CCHKDOC	*PGM	RPGLE	78336	
5	CDBDBF	*PGM	RPGLE	499712	Convert DBase To Database File
6	CDBFDB	*PGM	RPGLE	606208	Convert Database File to Dbase
7	CDBFIMP	*PGM	RPGLE	488960	Convert Database File to Import
8	CDBFXLS	*PGM	RPGLE	1434624	Convert Database File To Excel
9	CSFXLS	*PGM	RPGLE	574464	Convert Spooled File to Excel
10	CVTDBDBFC	*PGM	CLP	27648	Convert DBase to Database File
11	CVTDBFC	*PGM	CLP	41984	Convert Database File
12	CVTDBFDBC	*PGM	CLP	49152	Convert Database File to Dbase
13	CVTDBFIMPC	*PGM	CLP	40960	Convert Database File to Import
14	CVTDBFXLSC	*PGM	CLP	48640	Convert Database File to Excel
15	CVTSPLFC	*PGM	CLP	30208	Convert Spooled File
16	CVTXLSDBFC	*PGM	CLP	38912	Convert Excel to Database File
17	CXLSDBF	*PGM	RPGLE	1665024	Convert Excel To Database File
18	CVTMSG	*MSGF		27136	Conversion library message fil
19	CVTDBG	*FILE	PF	10752	
20	QDDSSRC	*FILE	PF	8192	
21	CVTDBDBF	*CMD		4096	Convert DBase to Database File
22	CVTDBFDB	*CMD		10240	Convert Database File to Dbase

CHAPTER 2 - Sample Command

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, CVTSPLF will convert the first occurrence of the report headings and ignore subsequent report headings.

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. CVTSPLF is told to compare the information starting in print position 11 and ending in print position 14 to the constant "**PGM". If the information in the spooled file between positions 11 and 14 is equal to "**PGM" the print line will be converted.

Detail line constant	<u>*PGM</u>	
Detail line logical operator . .	<u>*EQ</u>	*EQ, *NE, *GT, *LT, *GE, *LE
Detail line start position . . .	<u>11</u>	Number
Detail line end position	<u>14</u>	Number

Loading The Converted Spooled File

The file created by the CVTSPLF 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.

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 ('/qdlS/data.xls') STMFopt(*NONE) CVTDTA(*NONE) ENDLINfmt(*FIXED)
```