

FormPort Server Print Logic

For WinNT, Win98, Win2000, WinXP, Win2003, Unix

User Manual



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INTRODUCTION

FormPort Server Print Logic is the command-line utility of the FormPort Server product line. It merges data files with multi-page forms, and handles data consistently, via calculation, validation and dynamic pagination.

FormPort Server Print Logic can be ported on multiple operating systems:

- Windows 95
- Windows 98
- Windows NT
- Windows 2000
- Windows XP
- Windows 2003
- Unix *

*** please contact us for availability.**

COMMAND LINE FORMAT

SYNTAX:

prt6 <form Name> [data file] [options]

<formName>: FPF file name (FormPort Form file). This parameter is mandatory, except when the **-v** parameter is set. If no «.FPF» file extension is defined, FormPort will add it (in lowercase).

[dataFile]: data file name (spool or ASCII data). If not specified, the form is printed without data.

[options]: optional parameters for the FormPort Server Print Logic module.

Example:

```
C:\PRT6 FORM1 DATA1 -OLPT1
```

The above command calls a job named *form1* and uses a data file called *data1*. The output is directed to LPT1.

OPTION PARAMETERS

-C#

Printer-based multi-copy printing
The printer prints the specified copy number of each page.
Values for #: 1 to 999

-C#

Software-based multi-copy printing
FormPort Server Print Logic prints the specified copy number of each page. Each data file page is applied # time to each form page and the [\$COPY] value, which can be used in calculations, reflects the occurrence number.
Values for #: 1 to 999
(can be applied to spool file printing only).

-F

To indicate you want multi-part sorted page

-I#

Overrides the form first macro number (defined while designing form). Note that for a multi-page document, each page uses one macro number. For example, if you specify 100 as the first macro number for a 4-page document, the first page is stored in the printer RAM as macro 100, the second page as macro 101, third page as macro 102 and fourth page as macro 103. Then you must ensure that the macro numbers of the documents loaded in RAM do not overlap.
Values for #: 1 to 32750

-L

The forms are preloaded in the printer.
When specified, FormPort Server Print Logic assumes that the forms are already loaded in the laser printer.

Note that when the form status in RAM is set as « Temporary » in the form design, this parameter has no effect and the form is reloaded in the printer. No parameters are needed.

-M#

Data character set
Specifies in which character set the data file is using.
Values for #: 1 = Windows ANSI (default)
2 = PC850
3 = Roman 8

-N

Indicates to perform no Post Reset (only available for OS/2). In OS/2 V3 and older, the OS/2 print manager performs a Form Feed when the last byte is not form feed. This generates a blank page after each print job, unless the **-n** parameter is specified, insuring the last byte sent is the Form Feed char.

-OOUTPUT

Indicates the output destination (file or device name)

Examples:

-oLPT1 for a device like LPT1
-o\\SERVER\HP5SI for a LAN queue (OS/2, NT)
-oprintfile.prn for a print file
-ostdout for a print file sent to stdout

If no output destination is indicated, the output device name is taken from the MEGAOUT environment variable. If no MEGAOUT environment variable is defined, the form name, with the «.prn» extension is used.

-O"UNIX PROCESS"

This option is available only in Unix environment to indicate a Unix process, i.e. to indicate a Unix printer. 'oOutput' option is used only to generate an output file.

Example:

-O"lp -dHP4000 -oraw"

where HP4000 is the name of a Unix printer.

-P<MODEL>

Changes the printer code generation.

If the target printer is different from the original printer, you can indicate the target printer model. FormPort Server Print Logic then adapts the printing to that model (fonts, color, graphic resolution, printer language...).

<model> must be one of the following printer model identifications:

LJ3, LJ3D, LJ3S, LJ3P: HP LaserJet III family (S=Si)
LJ4, LJ4S, LJ4L, LJ4P, LJ4PL, LJ4V: HP LaserJet 4 family (S=Si)

LJC: HP LaserJet Color

LJ5C, LJ5L, LJ5S, LJ5, LJ5P: HP LaserJet 5 family (S=Si, C=Color)

LJ6P, LJ6L: HP LaserJet 6 family

DJ1200, DJ1600: PCL5 color HP DeskJet family
LJ4000

HPPCL4: All PCL4 printers

HPPCL5: All PCL5 printers

HPPCL5E: All PCL5E printers

HPPCL5C: All PCL5C printers

HPPCL5EC: All PCL5EC printers

PROPR: IBM Proprinter dot
matrixprinter (data only)

4722: IBM Financial impact printer
(data only)

-Q

For quiet form download

When specified, the forms are loaded in the printer and not printed.

No parameters are needed.

-s#1,#2

Indicates the spool pages print range
FormPort Server Print Logic prints only the spool file pages in the specified range, from pages #1 to #2 (can be applied to spool file printing only).

-I

Instructs *prt6.exe* to return the number of spool pages processed, instead of the error code. It then returns 0 if an error occurs.

-U#=<STRING>

Defines the [U1] to [U9] User Variables for fields formulas.

Values for #: 1 to 9

<string> is an alphanumeric string, without blanks.

-V

Returns the Print Engine version number as a program return code (multiplied by 100: value from 100 to 9999). When invoked with **-v** as the first parameter, FormPort Server Print Logic quits and returns the Print Engine version number multiplied by 100. **Example:** version 5.10 is returned as 510.

No form name is needed. For example:

```
prt6 -v
```

No parameters are needed.

-V#

Specifies the verbose mode.

Values for #:

0 = no screen output (silent mode)

1 = command line and input/output information

2 = command line, input/output and document information

3 = command line, input/output, document and pages information

This mode can be useful to the FormPort technical support team to determine the problems you could have with a form.

-W2=#

Allows not to take into account the first x bytes in the spool file.
is a numeric variable.

-W16=#

Allows not to take into account the first x lines in the spool file.
is a numeric variable.

-PDF

Gives the ability / option to create a PDF file output in addition to the PCL file generated by the print logic.

RETURN VALUE

prt6.exe returns 0 if no error are encountered.

If **-v** was specified on the command line, the program returns the module version number multiplied by 100.

If **-t** was specified on the command line, the program returns the number of spool pages printed by FormPort Server Print Logic.

If none of those parameters are defined, if an error was found, the runtime returns a value greater than zero as the return code. A message describing the error is displayed.

MOST COMMON VALUES:

- 2: Read error in Form file
- 3: The file is not a FormPort Form file
- 4: Unexpected end of file in Form file
- 5: Corrupted Form file
- 7: Cannot open output device or file for printing
- 8: Cannot open Form file
- 9: Cannot open data file
- 10: The validation formula failed for the Form
- 11: Memory allocation error while reading Form (not enough memory)
- 12: Printer specific FFM font file not found
- 14: Corrupted FFM font file
- 20: Invalid data file pages range parameter

- 21: Invalid copies parameter
- 22: Unknown target printer identifier
- 23: Unknown character mapping ID for data
- 24: First macro indicated on the command line is out of range
- 50: Next Page formula returned a page number out of range
- 51: The Document validation formula looped more than 10 times.

300: A memory allocation error occurred. Please contact the Capella Technologies support team.

ENVIRONNENT VARIABLES:

MEGAOUT

This variable contains the name of the output device to which the output data has to be sent. If no **-o** parameter is defined on the command line the destination of this variable is checked.

Note: MEGAOUT can be a device name like stdout.

MEGAOPT

This variable contains the default settings for the FormPort Server Print Logic Engine. This is especially useful when the Print Engine is called as a filter using stdin and stdout standard I/O.

USING STDIN AND STDOUT WITH UNIX:

In the **prt6** command you can replace the data file name with **STDIN**, by using for instance the **cat** function.

Example: `cat data.txt|prt6 formfile stdin`

In the **prt6** command you can replace the output with **STDOUT** by using the output redirection.

Example: `prt6 formfile datafile -ostdout >/dev/lp0.`

You can also use both **STDOUT** and **STDIN**

Example: `cat datafile | prt6 formfile stdin -o stdout >/dev/lp0.`