

Re: unix to win 2000 bianry file printing

Source:

<http://www.tech-archive.net/Archive/Win2000/microsoft.public.win2000.printing/2005-07/msg00035.html>

- *From:* "Bruce Sanderson" <bsanders@xxxxxxxx>
 - *Date:* Sat, 16 Jul 2005 12:14:19 -0700
-

When the print is sent from the UNIX (AIX) computer, two files are sent – a control file and a data file. The Windows LPD service uses the information in the control file to determine how to process the content of the data file (see below for details). If the UNIX computer sends the "f" control code, Windows will add formatting to the file while it is being sent to the printer.

When you "print" the spool file, you specify the "o l" option that tells the LPD service to NOT format the data but to treat it as RAW.

If you can influence what the UNIX computer sends in the control file so that it does not send "f", but does send "o l", it might print correctly.

See if any of these help:

1. <http://support.microsoft.com/default.aspx?scid=kb:en-us:150930> – how to configure LPD in Windows server to essentially ignore LPR control commands and always treat the print stream as RAW for all printers

2. <http://support.microsoft.com/default.aspx?scid=kb:en-us:168457> – how to configure LPD in Windows server to essentially ignore LPR control commands for specific printers and always treat the print stream as RAW for all printers

3.

<http://www.microsoft.com/resources/documentation/Windows/2000/server/reskit/en-us/Default.asp?url=/resources/do> contains this statement:

Print Services for Unix sets the print data type when it sends the document to the spooler. This is derived from the control command included in a print job from an LPR client. It might be necessary to change the default data type at the client to avoid processing PCL or PostScript print jobs as TEXT when they are actually RAW. For more information about the data types, see "Print Processor" earlier in this chapter.

If the control command is f or p, the data type is TEXT, and the spooler edits the document file to print correctly. If the command is l, the data type is RAW and no editing is done. If the command is o, the document is

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already formatted in PostScript code and is assigned the RAW data type.

Some UNIX systems usually send the f command by default, resulting in the following symptoms:

- The output includes PCL or PostScript code.
- Extended characters are printed incorrectly.
- The printer's default font is used.
- An extra page is printed at the end.

4. <http://support.microsoft.com/default.aspx?scid=kb:en-us:132460> – contains this statement:

Different UNIX LPR clients often have different configuration options. For example, to change the control command, you may need to change a value in a printcap file, change a model script, modify an LP or LPR command line, or change settings through a graphical interface.

Some UNIX LPR clients are not configurable. For example, the IBM AIX LPR client always sends the "f" control command.

5. <http://support.microsoft.com/default.aspx?scid=kb:en-us:867519>

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It is perfectly useless to know the right answer to the wrong question.

"Bill" <bill@xxxxxxxx> wrote in message

[news:db6t6m\\$nv0\\$1@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:db6t6m$nv0$1@xxxxxxxxxxxxxxxxxxxxxxxx)

>I am trying to print bar code labels on an Intermec 3400 bar code
> printer attached to a serial port on a Windows 2000 PC. The print file
> is generated on an AIX 4.3 box and the AIX spooler sends the job to the
> PC.

>
> The PC is running 3rd party lpd software.(I've tried OmniComm's AlphLPD
> and Esker's TUN lpd, with the same result). The job is sent to a Generic
> Printer. The label printer either advances a single blank label or does
> nothing.

>
> However, if I take the windows printer off line and send the spool file in
> winnt/system32/spool/PRINTERS to the printer via the lpr command using
> the -ol option the label prints out as it should. Without the -ol option I
> get the same result as with sending the job to the Windows spooler.

>
> I have a similar setup on a PC running NT which works fine, so I'm
> wondering if something changed in Windows 2000. It appears as if the
> windows driver is not passing the file along as a raw file, although the
> Print Processor that is selected is the default WinPrint->RAW.

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> Any help or suggestions for further research are appreciated.
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> Thanks.
>
> Bill Kurland
> Shakespeare & Co.
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>

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• **References:**

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 ◇ From: Bill

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