

Need help with smb printing

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I have installed Fedora Core 4 on a new machine and am generally very pleased. However, I am having trouble with printing to an SMB printer.

The print server is an OS/2 Warp Server for e-Business machine functioning as the primary domain controller for a small network. This server supports OS/2, Windows and Linux clients and has worked flawlessly for several years.

>From the Fedora machine, I can see all of the shares on the server. If I issue smbclient -L, the result is:

```
[root@fedora mok]# smbclient -L coffmx94 -I 192.168.0.18 -U mok%password
```

```
Sharename Type Comment
```

```
-----  
IPC$ IPC Remote IPC  
ADMIN$ Disk Remote Admin  
A$ Disk Drive Share for Admin Use  
B$ Disk Drive Share for Admin Use  
C$ Disk Drive Share for Admin Use  
D$ Disk Drive Share for Admin Use  
NETLOGON Disk Domain controller share  
IBMLAN$ Disk OS/2 LAN Server root  
SERVERC Disk C Driver of Domain Server  
PRINTER Printer Epson Color Stylus 740  
GHOSTPRI Printer PostScript interface to Epson  
NECPRINT Printer NEC SilentWriter 890
```

```
Server Comment
```

```
-----  
COFFMX94
```

```
Workgroup Master
```

I created network printers using CUPS on the Fedora machine corresponding to the printers listed above. I can print test pages

Fedora: Need help with smb printing

using the graphical print configuration tool, however when I print from an application, the printing fails. I set the CUPS debugging level to debug2, but there was not much information of interest in the log files. I quote the parts which seem relevant to me below:

These are the parameters from the beginning of the job.

```
D [...] [Job 21]
D [ ] [Job 21] Parameter Summary
D [...] [Job 21] -----
D [...] [Job 21]
D [...] [Job 21] Spooler: cups
D [...] [Job 21] Printer: NECPrinter
D [...] [Job 21] PPD file: /etc/cups/ppd/NECPrinter.ppd
D [...] [Job 21] Printer model: NEC SilentWriter LC 890
Foomatic/Postscript (recommended)
D [...] [Job 21] Job title:
D [...] [Job 21] File(s) to be printed:
D [...] [Job 21] <STDIN>
```

This is where the job fails.

```
D [...] [Job 21] Starting renderer
D [...] [Job 21] JCL: <job data>
D [...] [Job 21]
D [...] [Job 21] renderer PID kid4=19860
D [...] [Job 21] renderer command: level=0; /usr/bin/printf "%%!\\n% % % % %
% % % \\n<</HWResolution[300 300]>>setpagedevice\\n<</Duplex
false>>setpagedevice\\n"; if [ $level -gt 0 ]; then if [ $level -lt 99 ];
then level=" -dLanguageLevel=$level"; else level=""; fi; gs -q
-dPARANOIDSAFER -dNOPAUSE -dBATCH -sDEVICE=pswrite$level -sOutputFile=-
-; else cat; fi
E [...] [Job 21] Error writing spool: SUCCESS - 0
D [...] [Job 21]
D [...] [Job 21] Closing renderer
D [...] [Job 21] KID3 exited with status 0
D [...] [Job 21] Process dying with "error closing *main::STDOUT", exit
stat: 9
D [...] [Job 21] error: Broken pipe (32)
D [...] [Job 21] error closing *main::STDOUT
D [...] [Job 21] KID4 exited with status 9
D [...] [Job 21] Renderer exit stat: 9
D [...] [Job 21] KID3 finished
D [...] [Job 21] Renderer process finished
D [...] [Job 21] Killing process 19859 (KID3)
D [...] [Job 21] Process dying with "Error closing renderer", exit stat:
9
D [...] [Job 21] error: Bad file descriptor (9)
D [...] [Job 21] Error closing renderer
E [...] PID 19855 stopped with status 9!
D [...] UpdateJob: job 21, file 0 is complete.
```

Need help with smb printing

Fedora: Need help with smb printing

The first error message above seems to come from the smbpool command used as the backend.

If I issue smbpool by itself, I receive the same error message.

```
[root@fedora mok]# smbpool smb://MOK:password@coffmx94/PRINTER 1 user
title 1 " /usr/share/gimp-print/doc/gimpprint.ps
ERROR: Error writing spool: SUCCESS - 0
```

(I chose the gimpprint.ps file above just because it is large.)

When I check the spool directory on the server machine, there are files created, and they look like the beginnings of valid postscript files. However, each has the same file size: 73728 bytes. The files end suddenly in 'midstream'. The size is, of course, a small fraction of the correct file size and tantalizingly is equal to 9×8192 .

I have never had trouble printing to this server before using smb but at that time I was using RedHat 6.2. I must be doing something wrong but I am now at a loss. Has anyone seen a similar problem? Does anyone have any ideas?

Thanks!

Dan Coffman

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