SMB Server: Connection Solutions

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TOPIC ---

I am having difficulty attaching to an SMB server on a Token Ring. Here are my
system specifications and my AUTOEXEC.BAT listing:

Macintosh configuration:

- Macintosh IIcx
- 1MB RAM
- 40MB hard disk
- 1-bit monochrome monitor
- Apple TokenTalk NB Card
- System 6.0.3, Finder 6.1

Token Ring network:

- IBM PC server running PC LAN 1.32 Extended Services
- Server Name: DOM1
- System software is on drive labeled CDRIVE
- Applications and documents on drive labeled DDRIVE
- Using 4MB Token Ring Interface cards on PS/2 nodes

AUTOEXEC.BAT listing:

```
date
time
PATH=C:\PCLP13BS;C:\PCLP13XS\DOS;C:\PCLP13XS\NET1_30
prompt $p$g
cls
@ECHO OFF
YNPROMPT Y N 31 Start PC LAN Program 1.3 (Y/N)?
IF ERRORLEVEL 1 GOTO NOPCLP
FASTOPEN C:=100
NET START SRV DOM1 /XS
IF ERRORLEVEL 1 GOTO NOPCLP
XSDC.BAT
:NOPCLP
```

I know that the cabling is good, because I can successfully connect a PS/2 to

the same cables and get a connection. When Iuse the Macintosh, I enter the
server drive/pathname through the SMB DA and select it for connection. I get
the message: "The server is not responding", which, according to the manual,
means that the name or path specified is incorrect.

I believe that I am entering the name and path correctly, although there seems
to be some discrepancy as to whether I should enter server name\path or volume
name\path. I can't find anyone who can tell me if this is an SMB server. IBM
systems engineers here haven't heard of SMB. If this is not an SMB server, how
can I tell, and can it be made into an SMB server?

Originally, the SMB server hard drive did not have a name. I was using the
Macintosh pathname as the server name. I tried naming the Drive volume and
using that name in the Macintosh DA SMB pathname, but I still had problems.

DISCUSSION --

The Server Message Block protocol is a Microsoft-developed protocol that is
used in the IBM PC LAN program and OS/2 LAN server. It is a presentation layer
protocol corresponding to Apple Filing Protocol (AFP) in the AppleTalk Protocol
Stack. Since this server is running the PC LAN program, it is an SMB server.

1) Workstation Name: Workstation Name is the name of your workstation. It
   tells the network administrator who you are. You can enter any name in this
   field as long as it has at least one character. The limit is 14 characters.
   Note that if you are using an OS/2 LAN server, this name must exactly match
   the username created on the OS/2 server (all in uppercase).

2) When you Add an SMB volume name, the format is \\ServerName\VolumeName.

   Server Name is found by issuing the NET NAME command on the server machine.
   In your case, it is DOM1 as also stated in the NET START command in the
   AUTOEXEC.BAT file.

   Volume Name is the same name you specified in the NET SHARE command. For
   example, the following shares a volume name "EXAMPLES" for read/write access
   and with password TESTPASS:

       NET SHARE EXAMPLES = C:\SMB\EXAMPLES TESTPASS /RW

   Note that you "equate" the path to a volume name in the above NET SHARE
   command on the server, and then use that volume name when you add the server
   volume. The hard drive name on the server has nothing to do with this
   utility.

   The password is optional if you did not specify one in the NET SHARE
   command on the server. For testing until you get it to work, omit the
   password. You can always add a password later. If you specify only the
   root directory of the drive (such as C:\), all files on that drive are
   available to other computers.

   To display the sharing status on the server, issue the NET SHARE command
   without any parameters: NET SHARE. We suggest that you check into this

since we did not see any NET SHARE command in the AUTOEXEC.BAT file.
Remember, you need to use NET SHARE to "publish" a volume to be shared.

3) Once you have added a volume, select it and click the Connect button. Leave
   the password field blank, if you did not enter a password in the NET SHARE
   command on the server.

   If the volume is successfully mounted, its name appears in the lower SMB
   server DA window.

   If you add the names of all SMB volumes on your network at one time,
   later, when you want to access a different volume, its name will already be
   an option in the Select an SMB volume window.

4) Also, make sure that you use the Apple File Exchange shipped with the latest
   SMB File Transfer Utility.

   We hope that this helps to clear the confusion between server name, volume
   name, pathname, and so on.

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