

Slow network printing to 98 machine and blocking port 445

Source:

http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.help_and_support/2004-10/3663.html

From: Bret (*abc_at_email.com*)

Date: 10/11/04

Date: Mon, 11 Oct 2004 16:31:26 -0500

Hello-

I have attached a short thread below. Just two posts. The first is my problem tit for tat. The second is a solution that makes great sense. Does anyone know how to accomplish what this person suggests? How to block outgoing 445 requests? I have this trouble on 3 different networks. I'm suprised I don't see more online when I search for it. Everything I've tried in the GUI does not work. I'm sure it's command line. I've tried netsh firewall set portopening TCP 445 DISABLE. This did not help. This seems like a great workaround although it is a 'dirty fix' as this person suggests. Anyone know a real fix?

Thank you.

> *Hi:*

>

> *Printing from my new Dell Windows XP machine to the networked printer is incredibly slow, from all programs. Printing from Notepad is pretty much impossible.*

>

> *I have a simple peer-to-peer network: Windows ME machine, Windows XP (Home) machine, Microsoft Router, FastPort Model 3420X print server, Epson Stylus Photo 890 printer. The print server uses NetBEUI which may, or may not be, part of the problem. The Windows XP machine couldn't "see" the print server until I found and installed NetBEUI on the XP machine.*

>

> *The "Windows XP" machine replaced a different Windows 98SE machine about a week ago. When the Widows 98SE machine was in place everything worked just fine, so my problems seem to have something to do with Windows XP.*

>

> *I've checked to see that there's nothing wrong with the setup of the printer, i.e., not printing text as graphics, quality not "high", and so forth. I'm using the latest and greatest print driver for XP*

- > *provided by Epson. I've uninstalled and re-installed the printer.*
- >
- > *If I connect the printer directly to the XP machine everything is*
- > *fine; I'm guessing the issue is more a "network" problem than anything*
- > *else.*
- >
- > *In casting around for the solution to the problem the only thing that*
- > *seems relevant is the suggestion to *not* have multiple protocols*
- > *bound to the file and print sharing. I haven't made that "fix" yet as*
- > *I'm through for the day as far as this problem goes and I have a*
- > *niggling feeling that's not the problem: the same setup (all protocols*
- > *bound to file and print sharing) worked just fine when the Win98*
- > *machine was there in place of the XP one.*

Hi,

since Win2000 and also in WinXP, when windows networking is bound to TCPIP, the system tries a network connection to remote IP port 445, and only if this fails, uses ports 137 to 139. As Win98 and WinME don't have a port 445 open (and would not know how to handle those incoming network packets to port 445), WinXP keeps trying for some time or number of attempts. (I'd like to know where this is defined, because after update with SP2, this takes forever.)

During these attempts, the printing process seems to be frozen.

So your problem may very well go away if you unbind file and printer sharing from TCPIP on the WinXP machine. I would like to know whether this helps.

I can't do this because NETBEUI is not supported on our LAN, but astonishingly the freezing of the printing process also goes away if I deny outgoing connections to remote port 445 in the firewall.

Now that's a dirty fix, because the system SHOULD use 445 when connecting to other Win2K or WinXP machines, and I will allow 445 connections as soon as all other machines are upgraded to Win2K or WinXP, but until then ... if only someone could tell me where to set the connection timeout so that the freezing stops after that time

(it's NOT affected by the setting of

HKLM\SYSTEM\CurrentControlSet\Services\lanmanworkstation\parameters
SessTimeout=dword)