

Re: Windows Explorer – Folder Pane Doesn't Open

Source:

http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.network_web/2006-05/msg00069.html

- *From:* Chuck <none@xxxxxxxxxxx>
 - *Date:* Mon, 01 May 2006 17:31:25 -0700
-

On Mon, 1 May 2006 16:14:01 -0700, WPD
<[county\(please-delete-this\)pyrenees@xxxxxxxxxxx](mailto:county(please-delete-this)pyrenees@xxxxxxxxxxx)> wrote:

Hi Chuck

"Chuck" wrote:

Well, that may make a difference. I've been reading about Hamachi, haven't had too much direct experience yet though.

If file sharing is bound to the VPN, browser and name resolution will go there.

In the "Adapters and Bindings" tab on AMD, the binding order is first "Local Area Connection" and then Hamachi. Both adapters have "File and Printer Sharing for Microsoft Networks" checked in the Bindings box.

What's at the other end of the tunnel? There's apparently no server running the browser down there.

Hamachi acts as an authentication server, only. After the Hamachi server authenticates a computer as a member of the Hamachi network that I have set up, the computer will talk directly to the other computers in that network that are on-line and authenticated without going through the Hamachi server. The Hamachi-authenticated network is a completely separate network from our internal network. All Hamachi network addresses have a 5.x.x.x address.

Well, look at the browstat and net config logs. NetBT is bound to 2 TCPIP devices, and Hamachi is one.

Workstation active on

NetbiosSmb (000000000000)

NetBT_Tcpip_{E8AE3701-52F9-4C74-ABC1-1B85CBADAA36} (000108010B42)

NetBT_Tcpip_{BFB32E30-FAF1-498F-8E01-DBD012112532} (7A79050F3DD4)

Ethernet adapter Hamachi:

Re: Windows Explorer – Folder Pane Doesn't Open

Connection-specific DNS Suffix . :
Description : Hamachi Network Interface
Physical Address. : 7A-79-05-0F-3D-D4

Both browsing (ability to see other computers), and name resolution (ability to identify other computers) will take longer to work, with NetBT bound to multiple transports, and using each to get results. Having the Hamachi transports is going to have the same effect as having IPX/SPX, IPV6, or NetBEUI – it will drag down performance.

<http://nitecruzr.blogspot.com/2005/05/fix-network-problems-but-clean-up.html>
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Now I don't know that Hamachi is the only problem here. And I'm not sure that simply removing Hamachi will solve your current symptoms. But if you're asking for help still, I'll tell you that that's where I would start.

```
(From AMD):  
Status for domain APS on transport  
\\Device\NetBT_Tcpip_{E8AE3701-52F9-4C74-ABC1-1B85CBADAA36}
```

Unable to retrieve server list from SERVER3: 64

A 64 error ("The specified network name is no longer available.") is another name resolution problem. AMD is another Hamachi client, so I think we need to resolve that first.

Both AMD and AUTO have Hamachi adapters; are on the same Hamachi network; as far as I can tell, are set up the same on the Hamachi network. AMD returns the error 64, but AUTO doesn't. In addition, I have tried to set them up the same on the internal APS network, too. It appears that I have made a mistake somewhere, though. Any ideas on where I should look.

```
But there's yet another issue.  
(From Server2):  
Status for domain APS on transport  
\\Device\NetBT_Tcpip_{54D22944-8771-4780-9F6F-228C068BC63E}  
Browsing is active on domain.  
Master browser name is: SERVER3  
Master browser is running build 3790  
2 backup servers retrieved from master SERVER3  
\\SERVER2  
\\SERVER3  
There are 4 servers in domain APS on transport  
\\Device\NetBT_Tcpip_{54D22944-8771-4780-9F6F-228C068BC63E}  
There are 1 domains in domain APS on transport  
\\Device\NetBT_Tcpip_{54D22944-8771-4780-9F6F-228C068BC63E}
```

Do a "net view" from Server2 and Server3, and compare the results.

Re: Windows Explorer – Folder Pane Doesn't Open

I don't know why Server2 only saw 4 servers on the domain at the time that there were 6 of them. Unfortunately, I did not know about "net view" at that time.

You're learning – so am I. I just learned about "net config" a couple months ago.

I just ran "net view" on both of them, again, and they both list the same 7 machines. (When all computers are up on the APS network, there are 7 of them.) And, now, when I run "browstat status" on Server2, it outputs the same number of servers as Server3. Perhaps, it was just a momentary glitch. (How's that for whichful thinking?)

Both browsing and name resolution are cache based – they don't operate on a second by second basis. So if your computers ever get disconnected or turned off, the cache on each computer won't be up to date. And no 2 computers will always refresh / update cache at the same time. Out of date cache leads to discrepancies like you just mentioned.

So are your problems solved now? Let us know if we need to do some more diagnoses.

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Cheers,

Chuck, MS–MVP [Windows – Networking]

<http://nitecruzr.blogspot.com/>

Paranoia is not a problem, when it's a normal response from experience.

My email is AT DOT

actual address pchuck mvps org.

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