

Re: VPN error 678

Source: <http://www.tech-archive.net/Archive/ISA/microsoft.public.isa.vpn/2007-12/msg00016.html>

- *From:* "Catastrophic" <catastrophic_failure@xxxxxxxxxxxxx>
 - *Date:* Wed, 12 Dec 2007 14:16:09 +0200
-

To resolve this issue, make sure that the PPTP clients establish the connection to the first IP address that is bound to the PPTP server's public network interface. Also make sure that you configure the default gateway on the server to the interface that receives the connection attempt. Typically, the public network interface receives the connection attempt in this scenario.

If your PPTP server runs later version of Windows 2000 Service Pack 4 (SP4) or Windows Server 2003, and multiple IP addresses are bound to the public network interface, the server replies by using the same IP address that the client computer sent the request for connection to. For more information about change in IP address, click the following article number to view the article in the Microsoft Knowledge Base:

810839 (<http://support.microsoft.com/kb/810839/>) VPN client cannot establish a connection after you install a service pack

If your PPTP server is running Windows 2000 SP4, and a PPTP client tries to connect to the second IP address that is bound to the public network interface, the PPTP server replies by using the first IP address that is bound to the public network interface.

This issue may occur, depending on the configuration of your PPTP server that uses Windows NT Load Balancing Service (WLBS) or Network Load Balancing. The PPTP server that uses Windows 2000 SP4—or—later may work as expected, regardless of the configuration. For more information, click the following article number to view the article in the Microsoft Knowledge Base:

810839 (<http://support.microsoft.com/kb/810839/>) VPN client cannot establish a connection after you install a service pack

This issue may also occur if you publish the PPTP server behind a firewall or a router. If you configure the firewall or the router incorrectly, the source IP address for PPTP reply packets may differ from the address that is received. To resolve this issue, configure the firewall or the router so that the source of the PPTP reply packets is the same IP address that the PPTP clients use. PPTP communication is made up of TCP port 1723 and of the Generic Routing Encapsulation (GRE) protocol (IP protocol 47).

MORE INFORMATION

Windows 95, Windows 98, Windows Me, and Windows NT 4.0 do not permit a PPTP connection to be completed if the PPTP server replies by using a different

IP address.

Windows 2000 and Windows XP–based PPTP client computers permit connections if either Internet Connection Sharing or Internet Connection Firewall (ICF) is in use on the client. When you install Windows 2000 SP4 or Windows XP SP1 on your PPTP client, the client cannot connect to the PPTP server that replies by using a different IP address.

If you want your PPTP client that is running either Windows XP SP1 or Windows 2000 SP4–or–later to permit a connection to a PPTP server that replies with a different IP address, you must turn off PPTP address validation. To do so, follow these steps. **Warning** Serious problems might occur if you modify the registry incorrectly by using Registry Editor or by using another method. These problems might require that you reinstall your operating system. Microsoft cannot guarantee that these problems can be solved. Modify the registry at your own risk.

1. Click Start, and then click Run.
2. In the Open box, type regedit, and then click OK.
3. Locate the following subkey, where <000x> is the network adapter for the WAN Miniport (PPTP) driver:

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E972–E325–11CE–BFC1–08002bE

4. On the Edit menu, point to New, and then click DWORD Value.
5. Type ValidateAddress, and then press ENTER.

Note By default, the Data value is 0 (Off).

6. Quit Registry Editor.
7. Restart your computer.

Friendly
Anna

.