Configure Point to Point Tunneling Protocol (PPTP) Server on RV320 and RV325 VPN Router Series on Windows

Objective

The Point to Point Tunneling Protocol (PPTP) is a network protocol used to create VPN tunnels between public networks. PPTP servers are also known as Virtual Private Dialup Network (VPDN) servers. PPTP is preferred over other VPN protocols because it is faster and it has the ability to work on mobile devices. A total of ten PPTP tunnels can be configured on the PPTP Server.

This article explains how to configure a PPTP (Point-to-Point Tunneling Protocol) server on Windows for the RV32x VPN Router Series.

Applicable Devices

- RV320 Dual WAN VPN Router
- RV325 Gigabit Dual WAN VPN Router

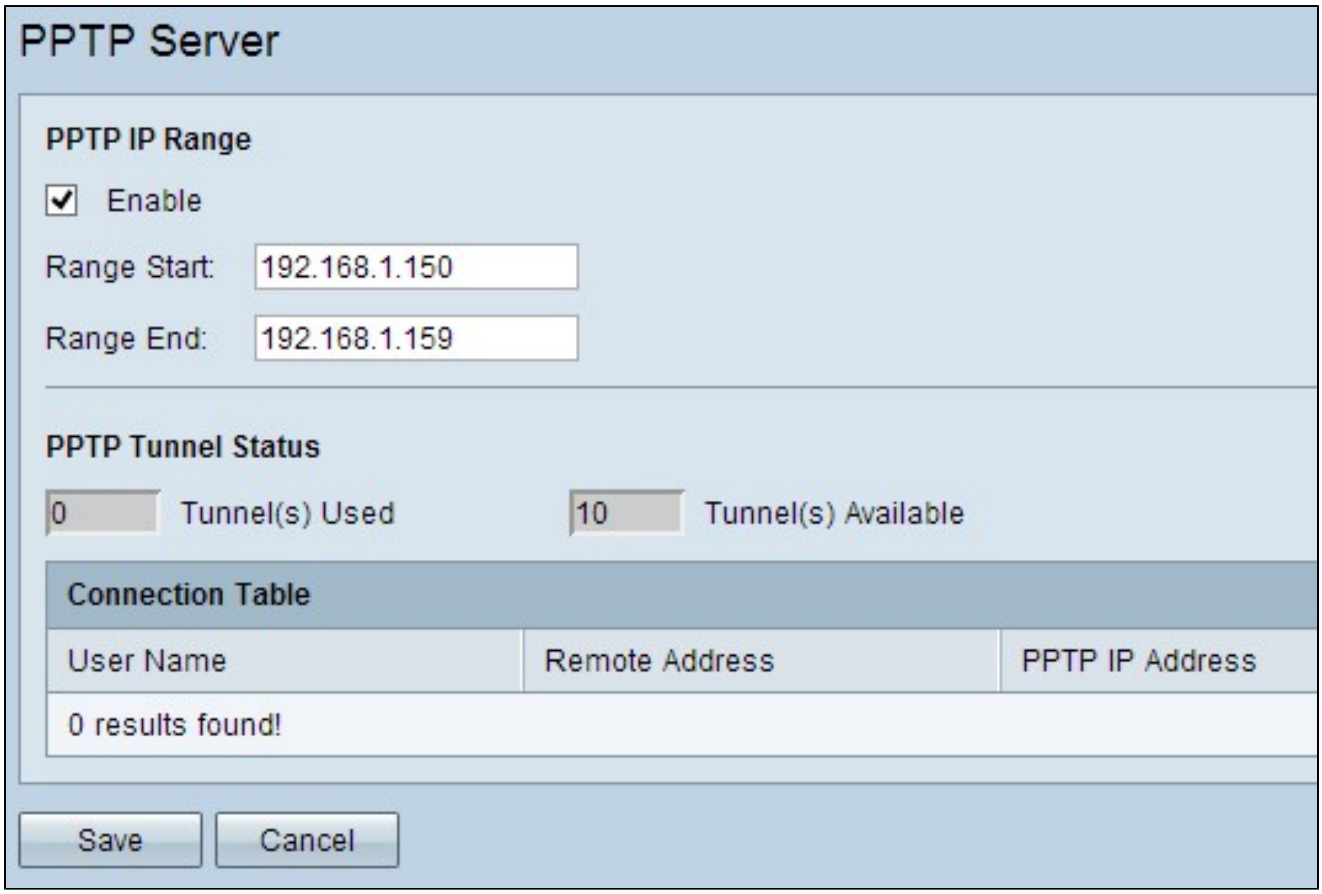
Software Version

- v1.1.0.09

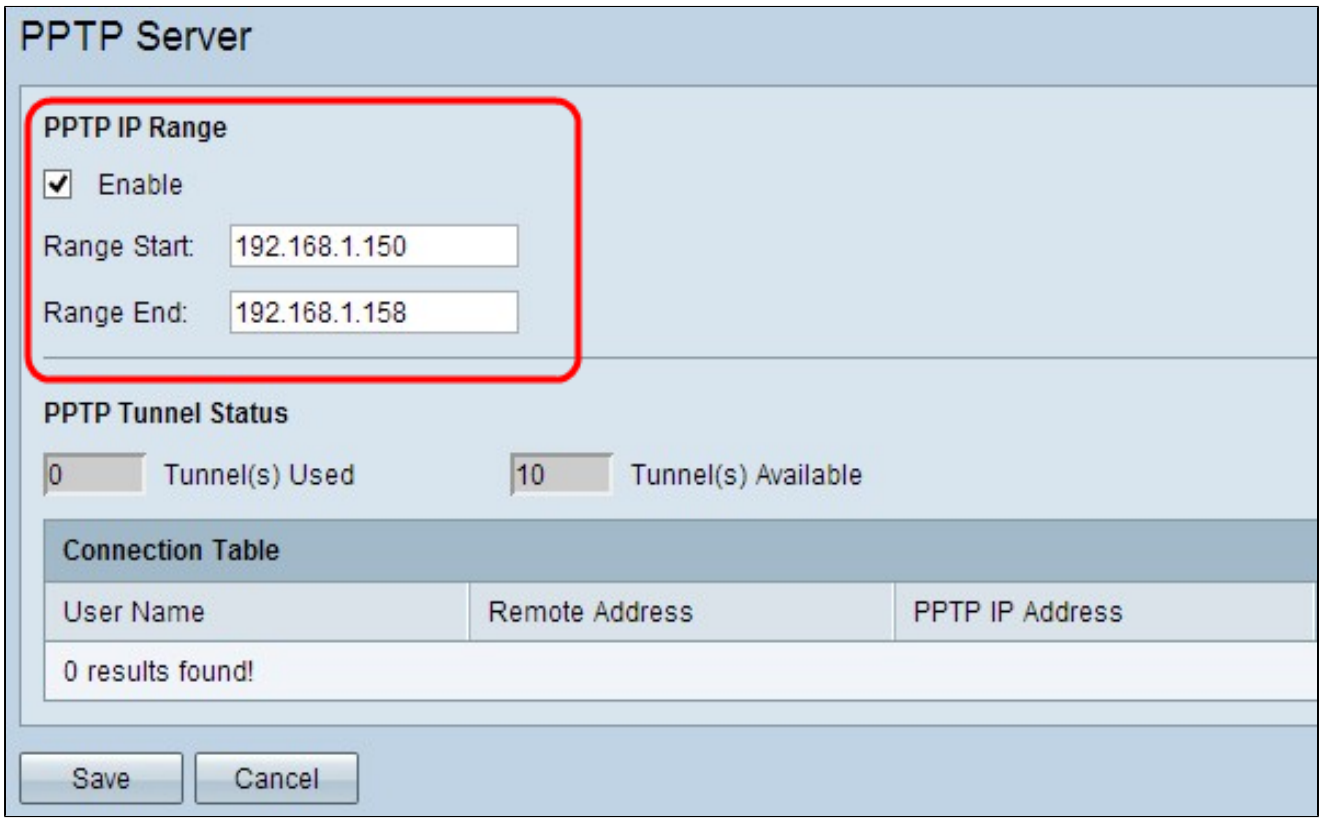
Configure PPTP Server

PPTP IP Range

Step 1. Log in to the web configuration utility and choose **VPN > PPTP Server**. The *PPTP Server* page opens:



Step 2. Check the **Enable** check box to enable the PPTP Server on the RV320.



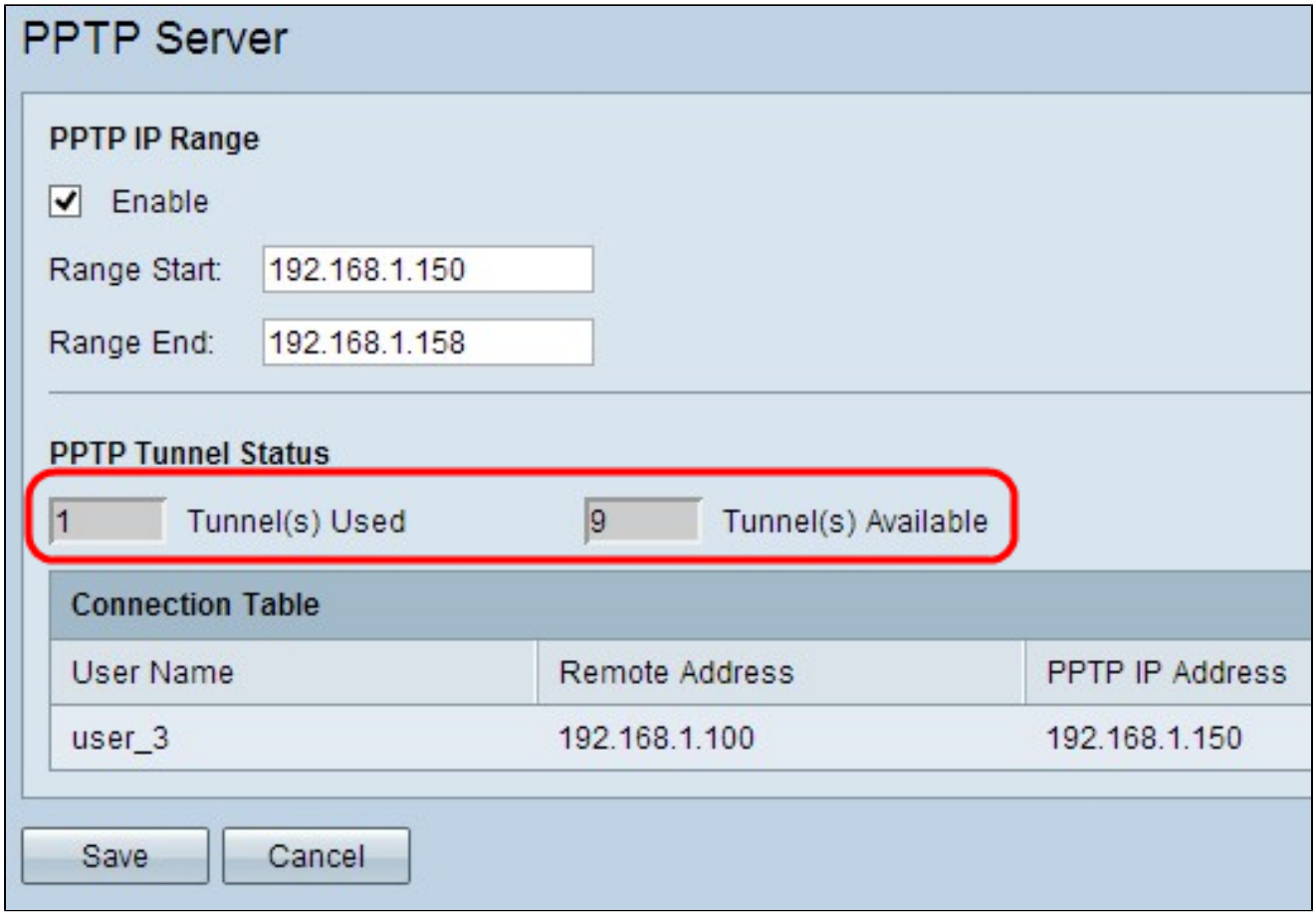
Step 3. Enter the starting LAN IP address of the range assigned to the first PPTP VPN client in the

Range Start field. The default IP is 192.168.1.200.

Step 4. Enter the last LAN IP address of the range assigned to the last PPTP VPN client in the *Range End* field. The default is 192.168.1.204.

Step 5. Click **Save** to save the settings.

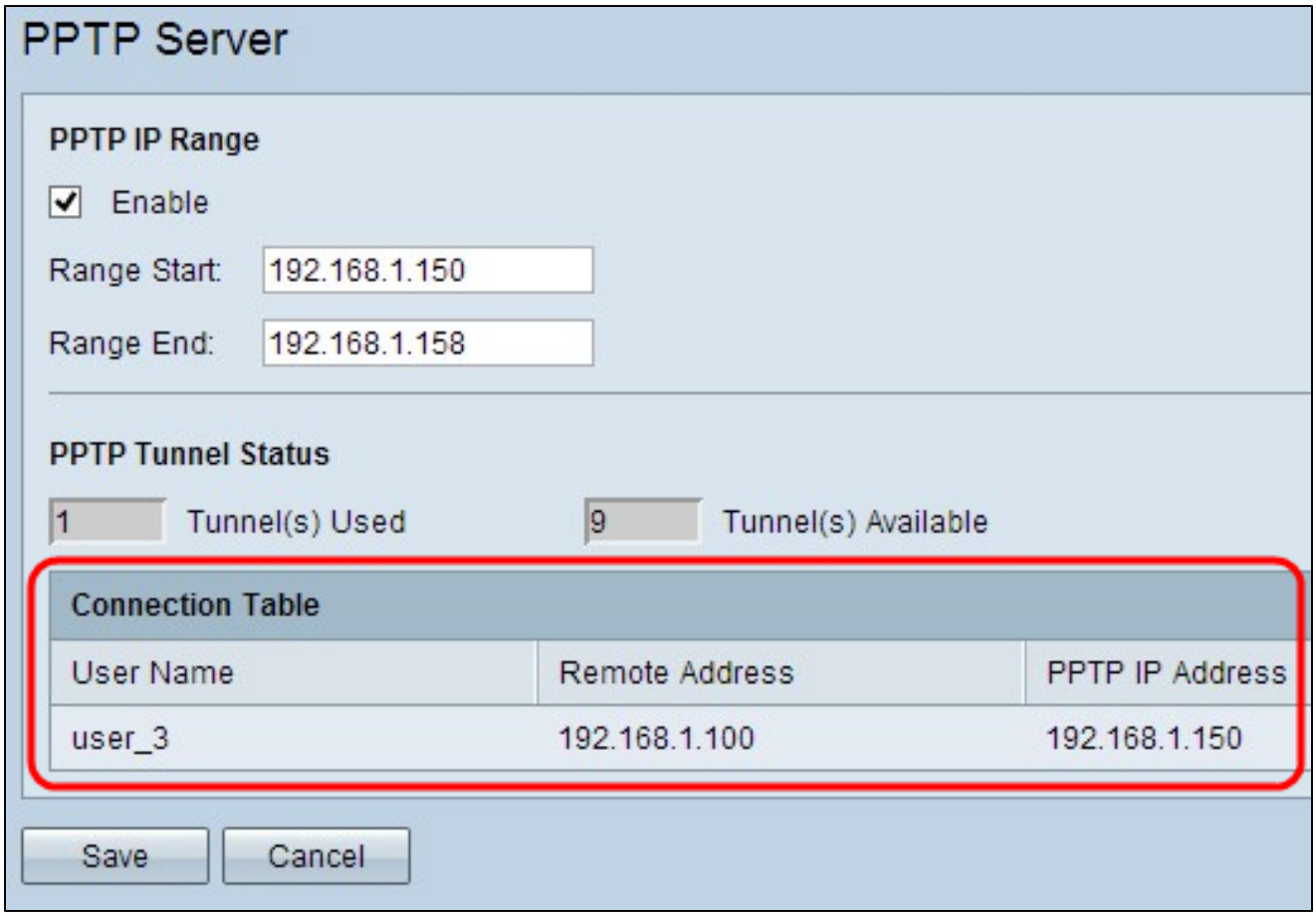
PPTP Tunnel Status



• Tunnel(s) Used — Represents the number of tunnels that are currently in use by the PPTP Server.

• Tunnel(s) Available — Represents the number of tunnels that are still available to configure the PPTP Server.

Note: You need to add users before you can setup a connection in the connection table. For more information on how to configure users, refer to to the article *User and Domain Management Configuration on RV320 and RV325 VPN Router Series*.

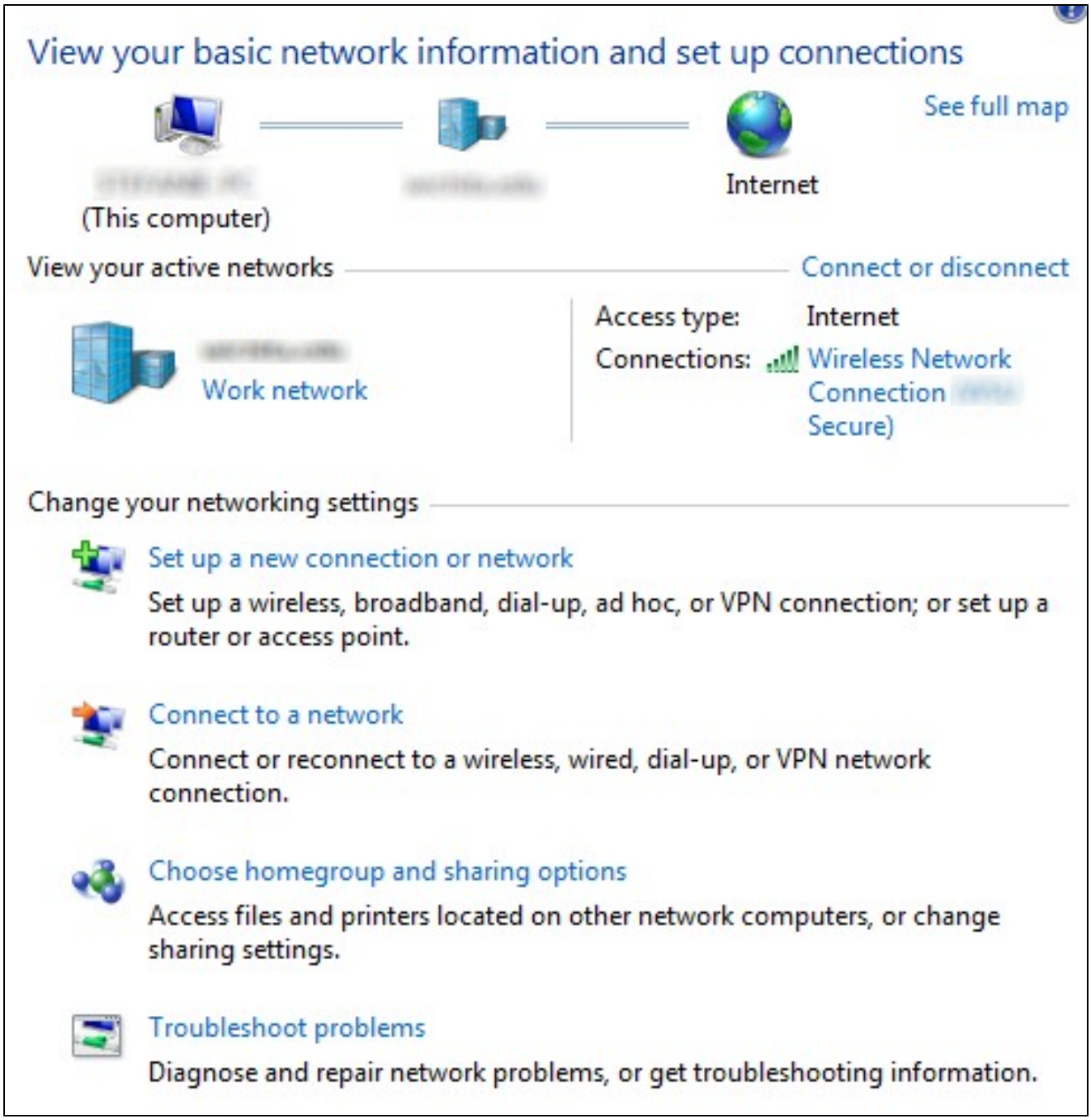


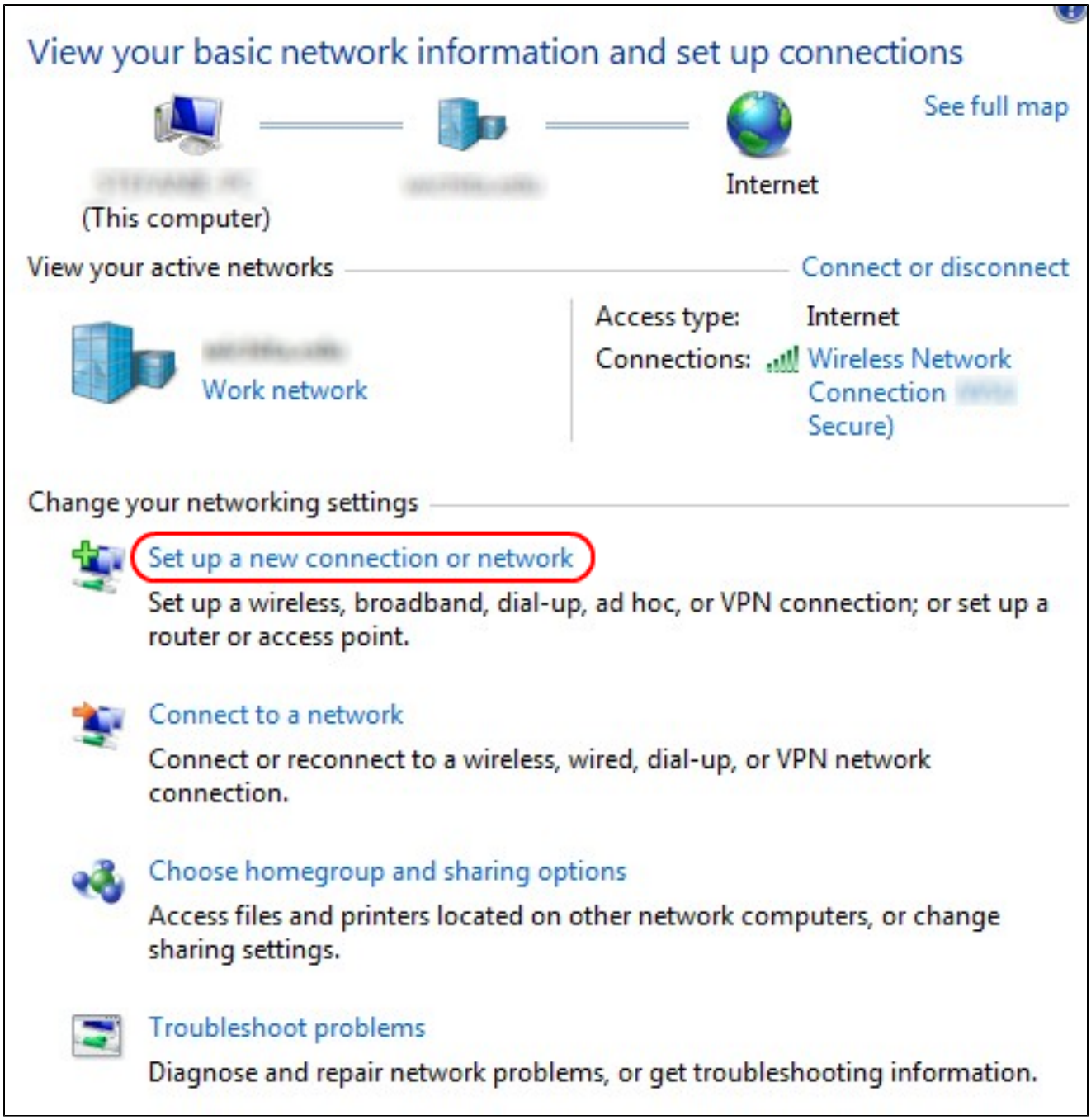
• Connection Table — The Connection List is a read-only list that shows information of VPN clients. The list shows the Username of the PPTP VPN client, Remote WAN IP address of the PPTP VPN client and the PPTP IP Address that the PPTP server assigns to the client upon connection. You need to configure PPTP VPN connection on Windows to display the user in the Connection Table.

Note: To learn more on how to setup the PPTP connection, refer to the *Configure PPTP VPN Connection on Windows* section.

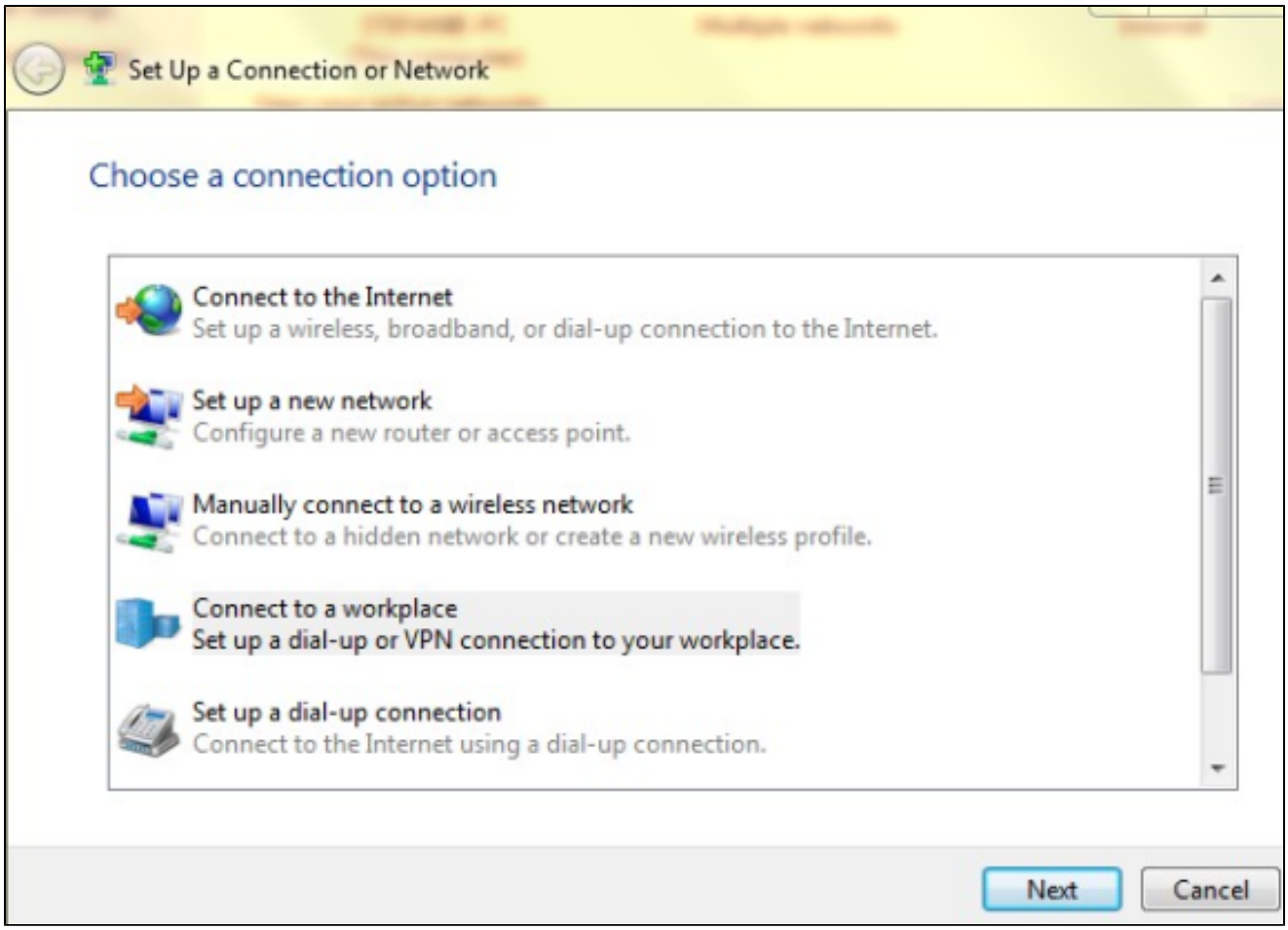
Configure PPTP VPN Connection on Windows

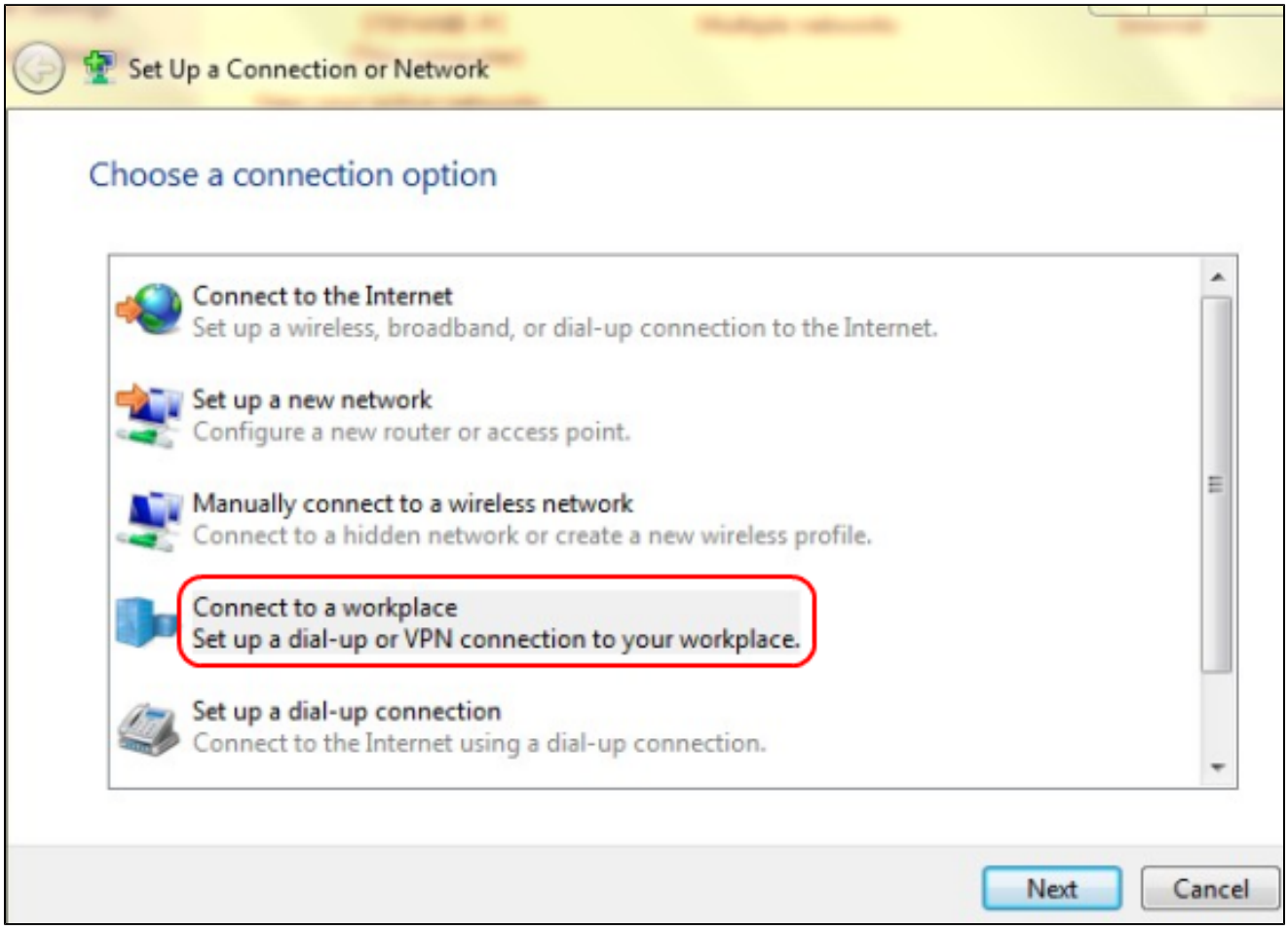
Step 1. Log into the computer and choose **Start > Control Panel > Network and Internet > Network and Sharing Center**. The *Network and Sharing Center* window appears.


View your basic network information and set up connections
See full map
Internet
(This computer)
View your active networks
Connect or disconnect
Work network
Access type: Internet
Connections: Wireless Network Connection
Secure)
Change your networking settings
Set up a new connection or network
Set up a wireless, broadband, dial-up, ad hoc, or VPN connection; or set up a router or access point.
Connect to a network
Connect or reconnect to a wireless, wired, dial-up, or VPN network connection.
Choose homegroup and sharing options
Access files and printers located on other network computers, or change sharing settings.
Troubleshoot problems
Diagnose and repair network problems, or get troubleshooting information.



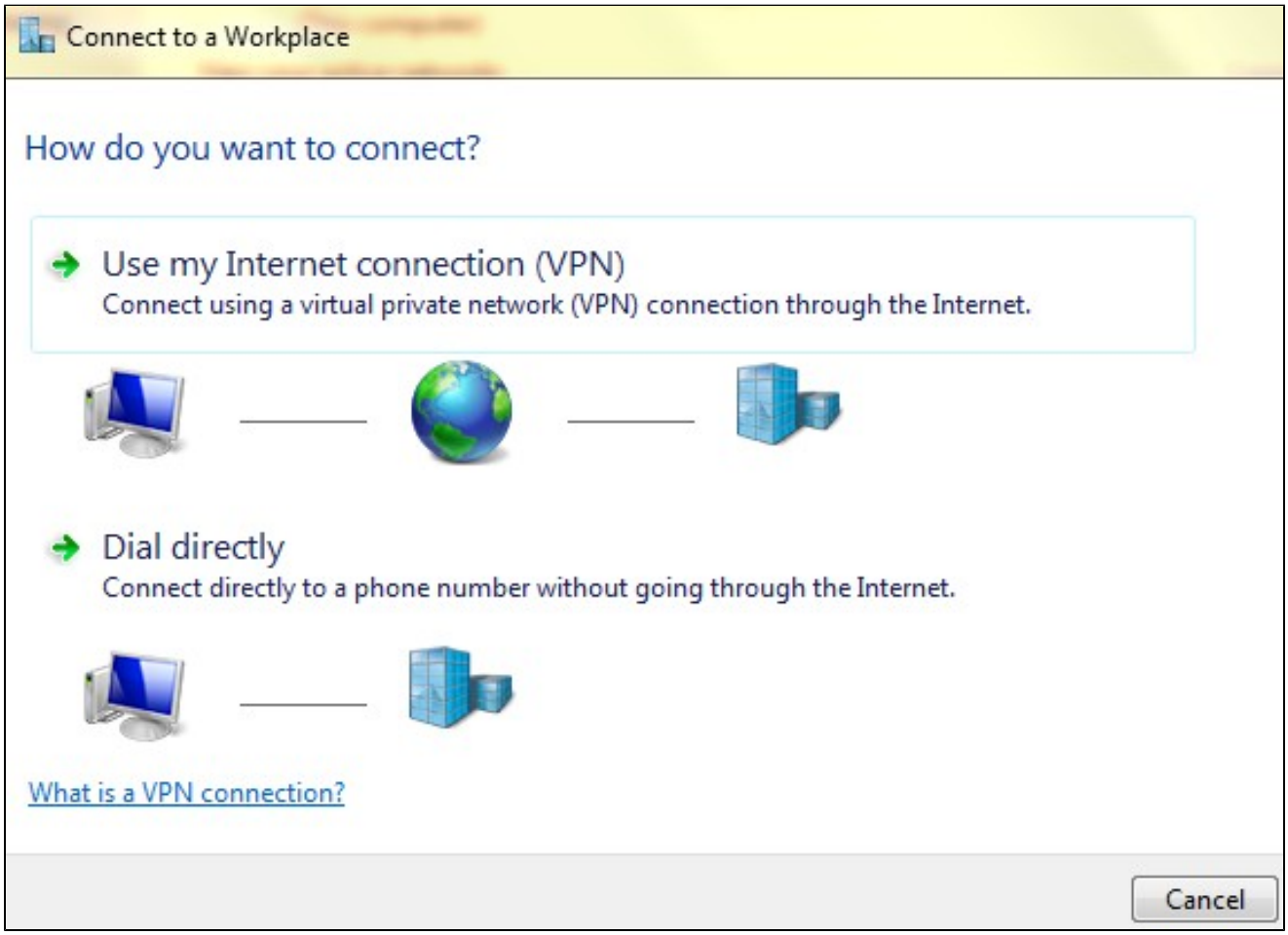
Step 2. Click **Set up a new connection or network** to create a new connection or network. The *Set Up a Connection or Network* window appears.

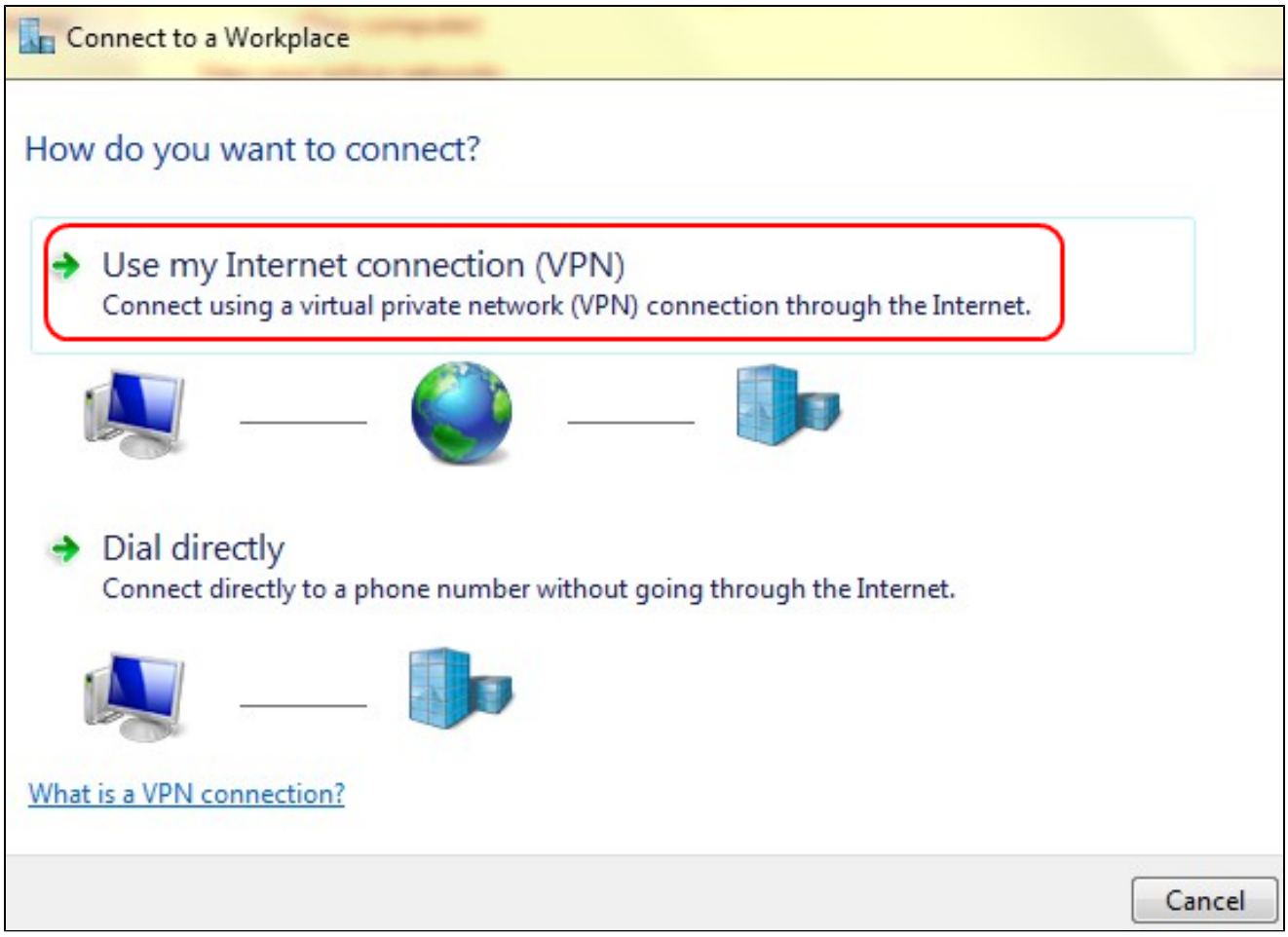

Set Up a Connection or Network
Choose a connection option
Connect to the Internet
Set up a wireless, broadband, or dial-up connection to the Internet.
Set up a new network
Configure a new router or access point.
Manually connect to a wireless network
Connect to a hidden network or create a new wireless profile.
Connect to a workplace
Set up a dial-up or VPN connection to your workplace.
Set up a dial-up connection
Connect to the Internet using a dial-up connection.
Next
Cancel


Set Up a Connection or Network
Choose a connection option
Connect to the Internet
Set up a wireless, broadband, or dial-up connection to the Internet.
Set up a new network
Configure a new router or access point.
Manually connect to a wireless network
Connect to a hidden network or create a new wireless profile.
Connect to a workplace
Set up a dial-up or VPN connection to your workplace.
Set up a dial-up connection
Connect to the Internet using a dial-up connection.
Next
Cancel

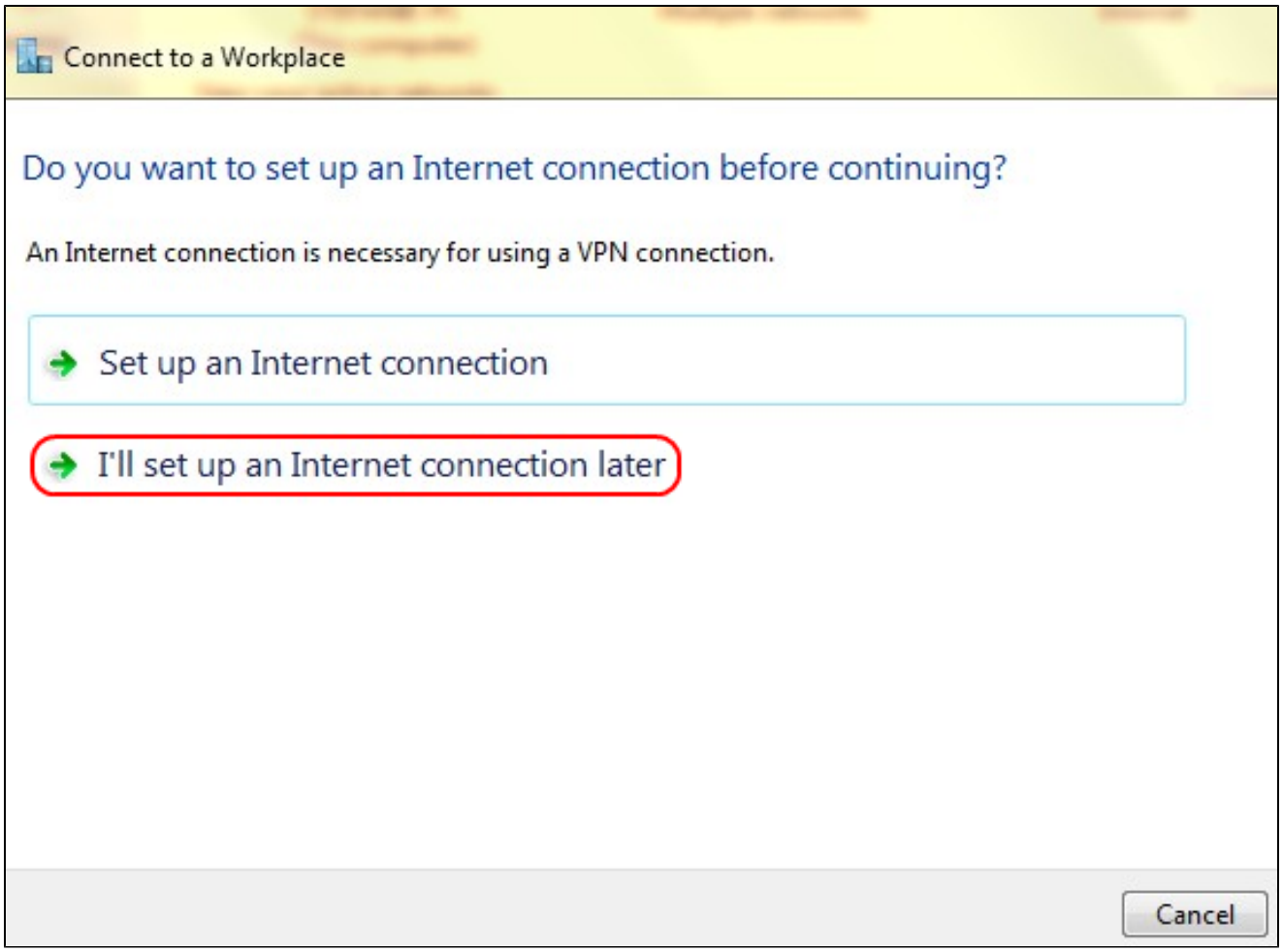
Step 3. Click **Connect to a workplace** to connect from the work place.

Step 4. Click **Next** to continue. The *Connect to a Workplace* window appears:

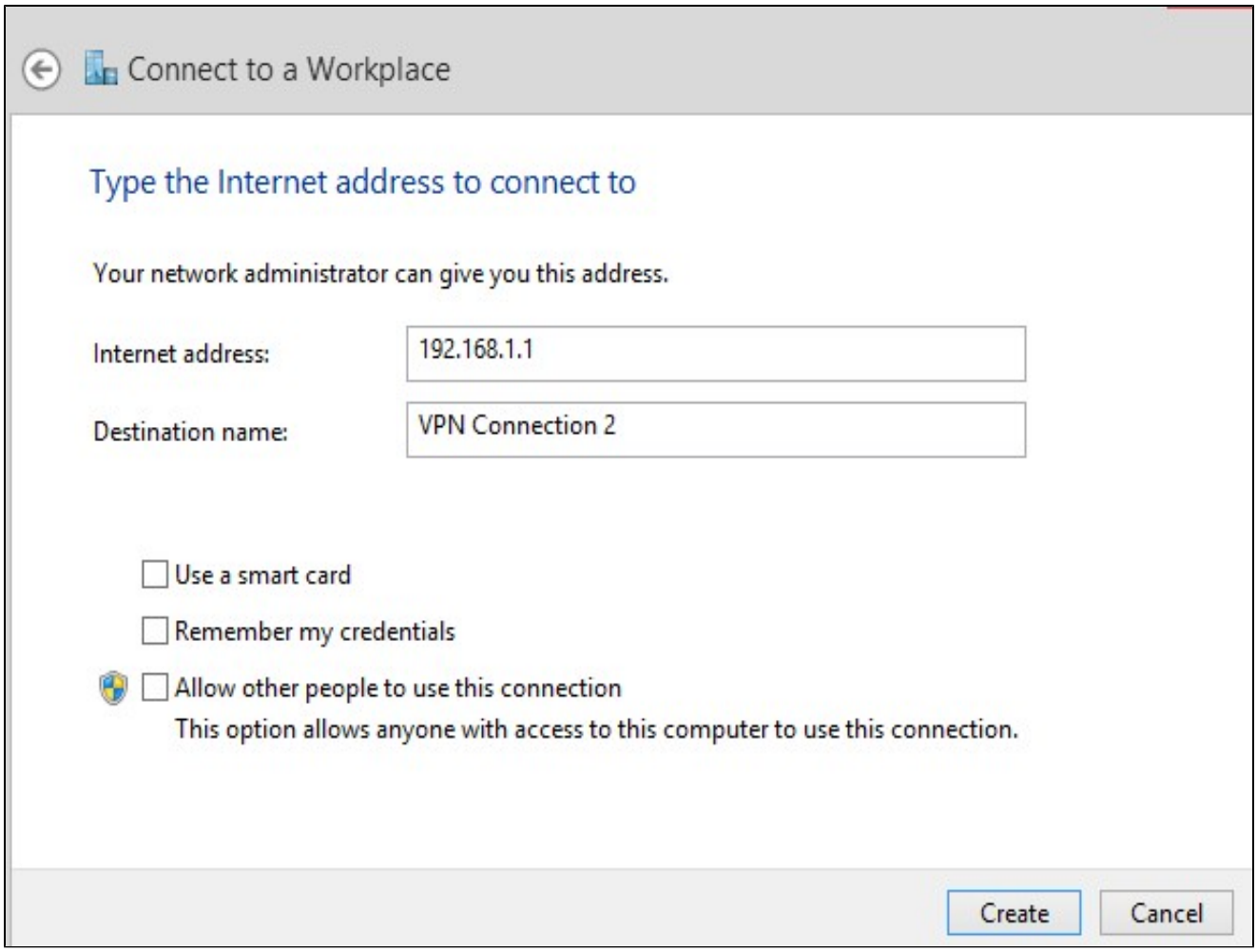




Step 5. Click **Use my Internet connection (VPN)** to use your Internet connection.



Step 6. Click **I'll set up an Internet connection later** to configure the Internet connection later.

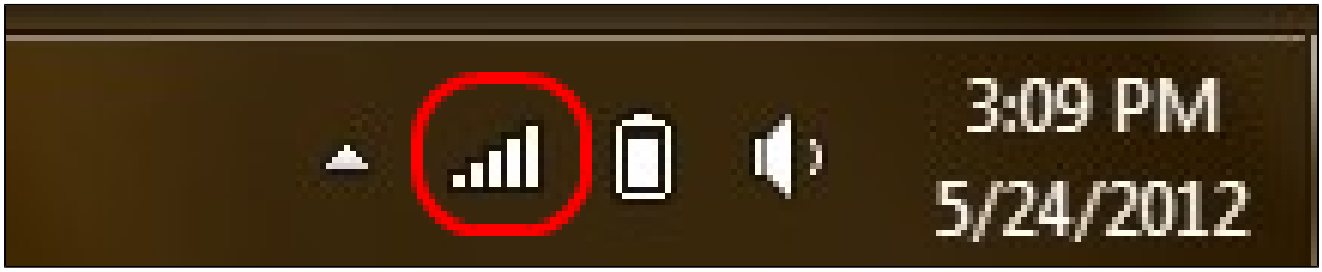


Step 7. Enter the IP address of the LAN IP address of the RV320 into the *Internet address* field.

Step 8. Enter a name for the destination in the *Destination name* field.

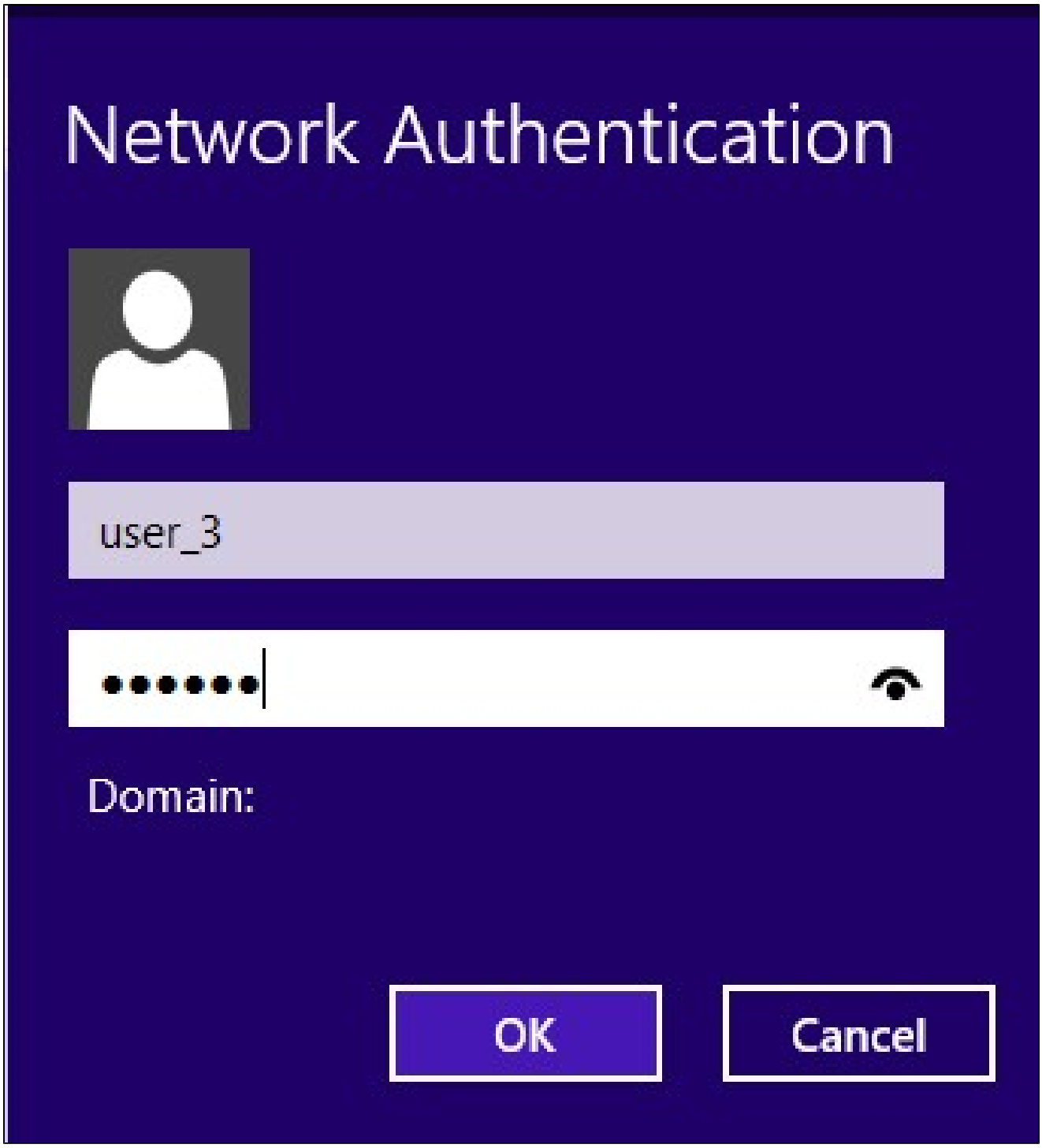
Step 9. Click **Create**.

Note: If you are on Windows 8, the next procedure applies. If you are on Windows 7, the next three images are different, but the procedure is the same.



Step 10. Click the Network icon on the task bar. This displays all the networks, wireless, VPN, and Dial-up, available to be connected to the computer:

Step 11. Click **Connect** to connect the specific connection.

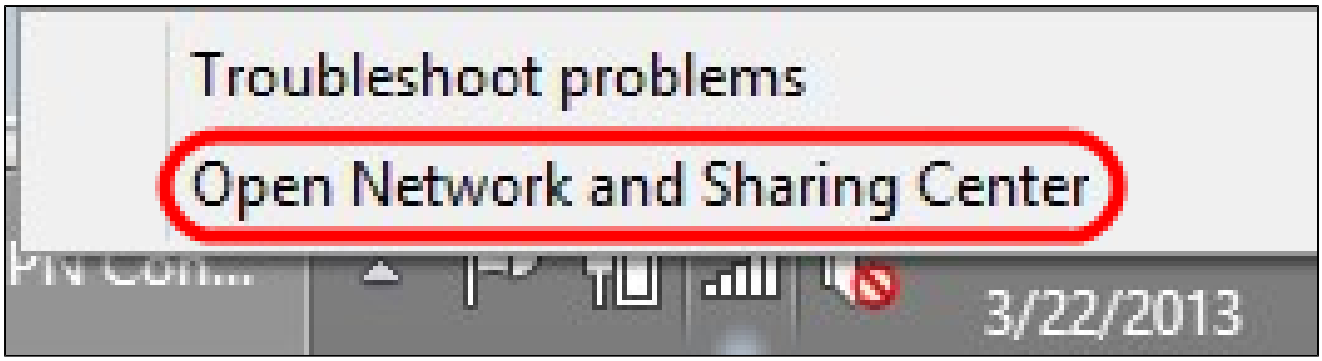


Note: You have to configure the user in the *User Management* page. To know more on how to configure user management, refer to the article *User and Domain Management Configuration on RV320 Router*. For the Step 12 and Step 13, you have to provide same user name and password you provided in the *User Management page*.

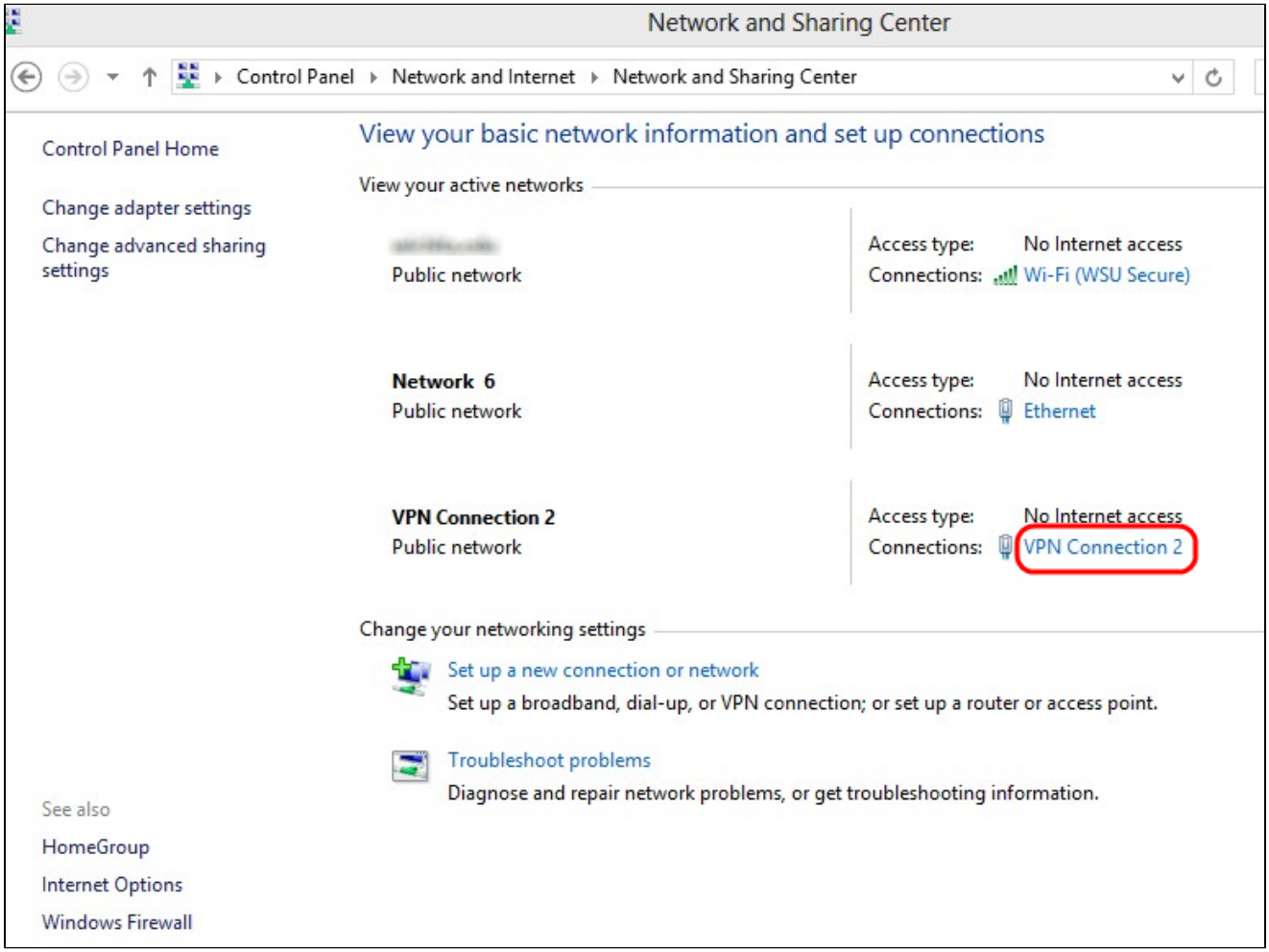
Step 12. Enter the user name in the *Username* field.

Step 13. Enter the password in the *Password* field.

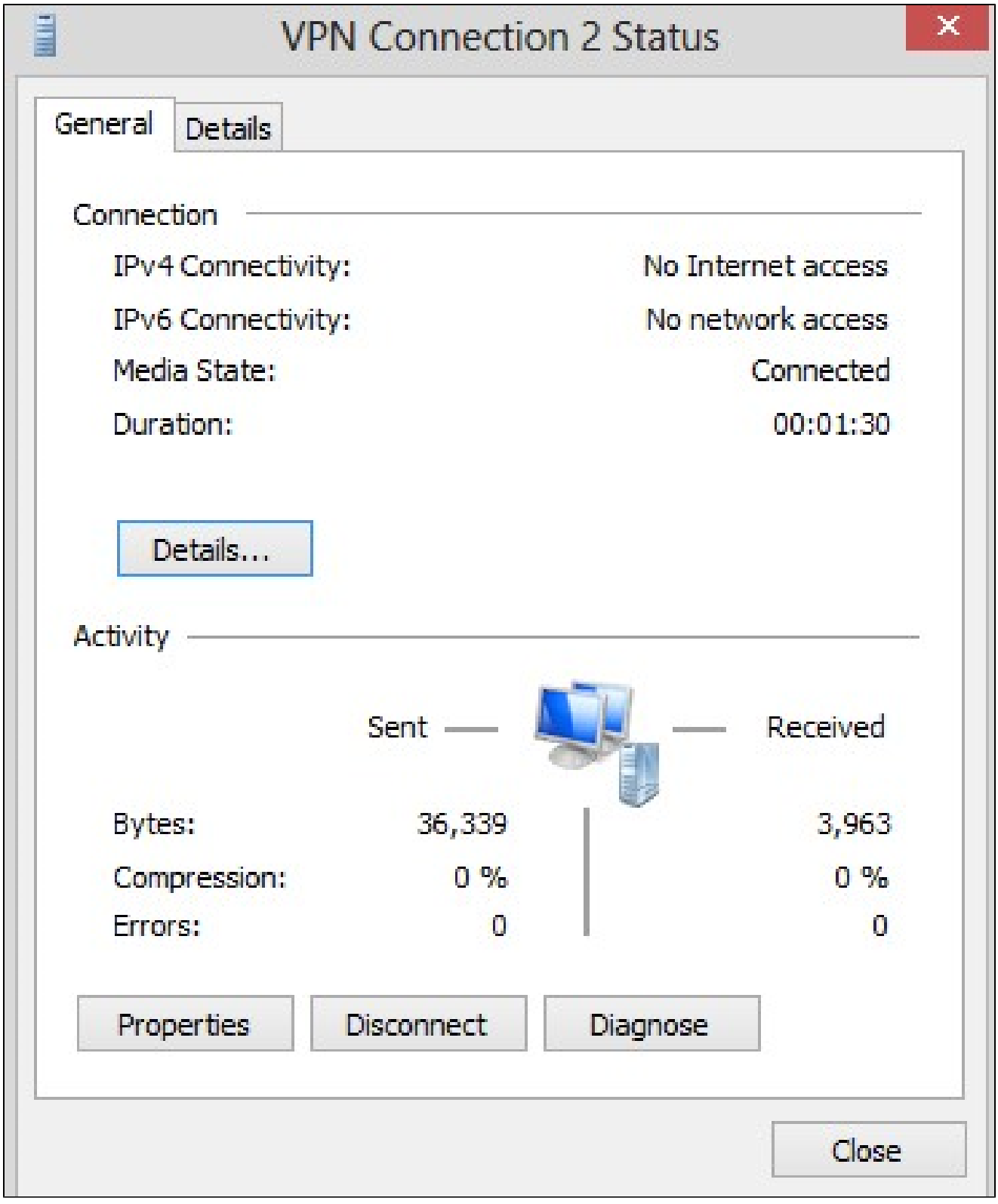
Step 14. Click **OK**.

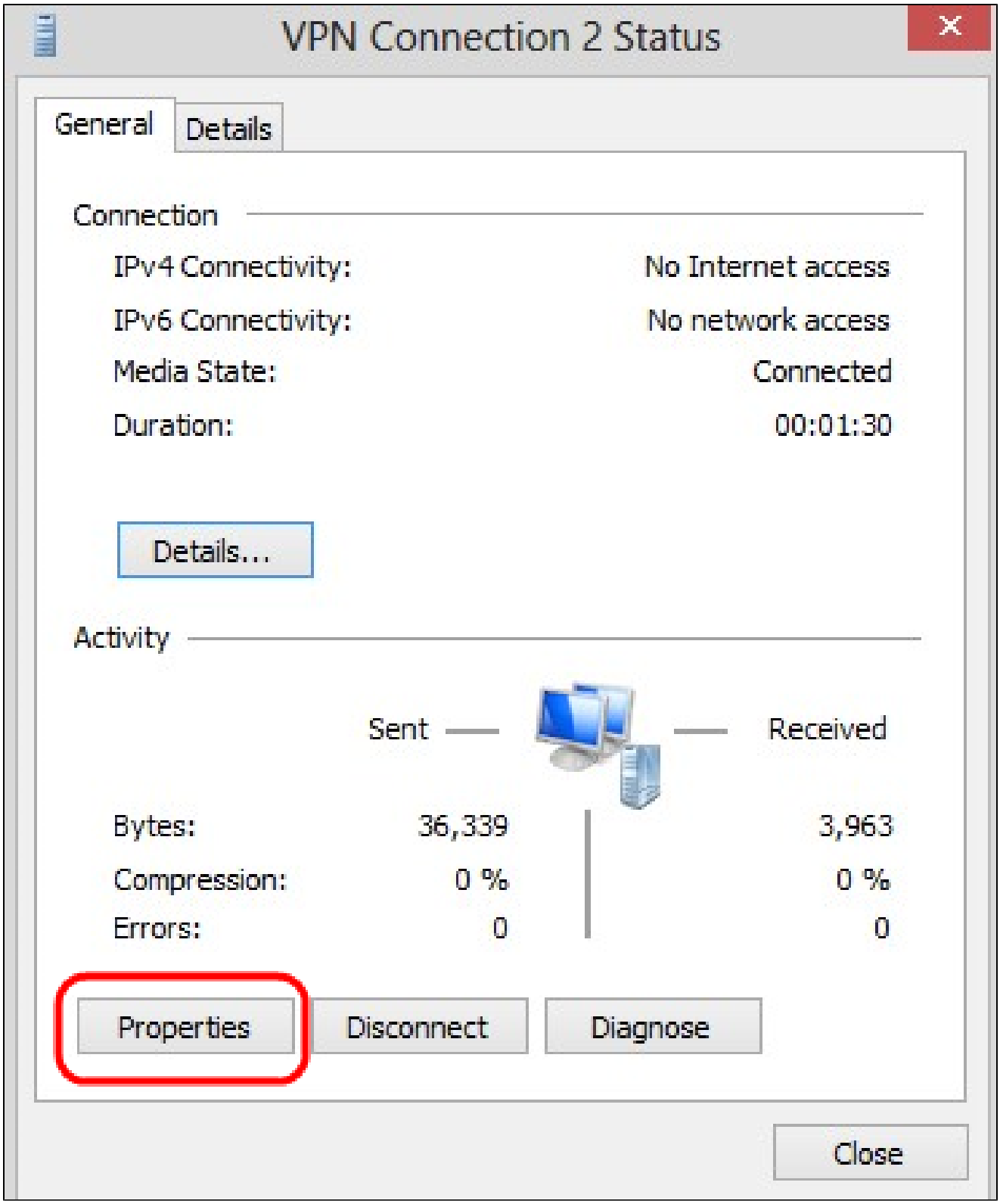


Step 15. Right click on the network icon on the task bar and click **Open Network and Sharing Center**.

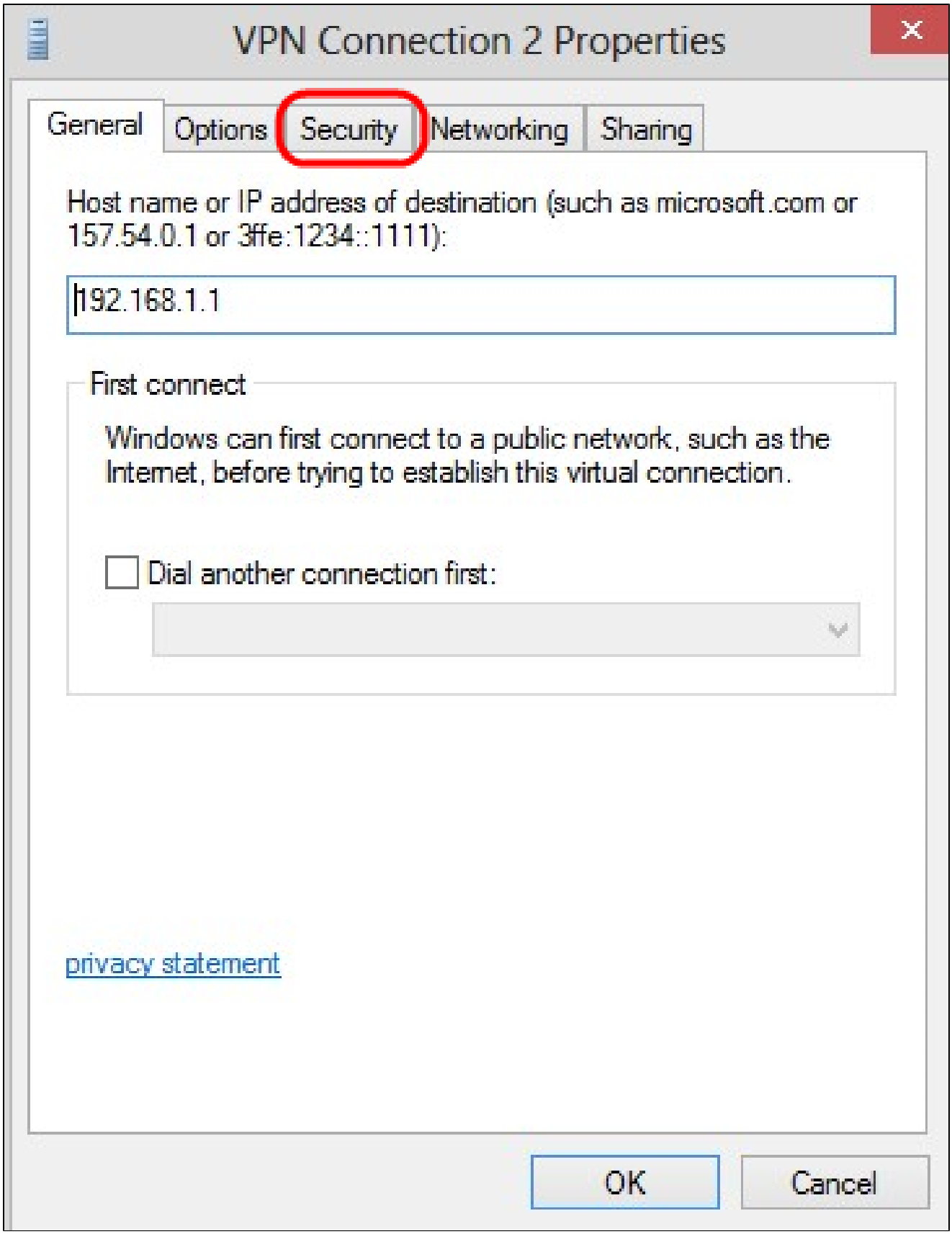


Step 16. Click on the specific VPN connection. The *Status* window appears:

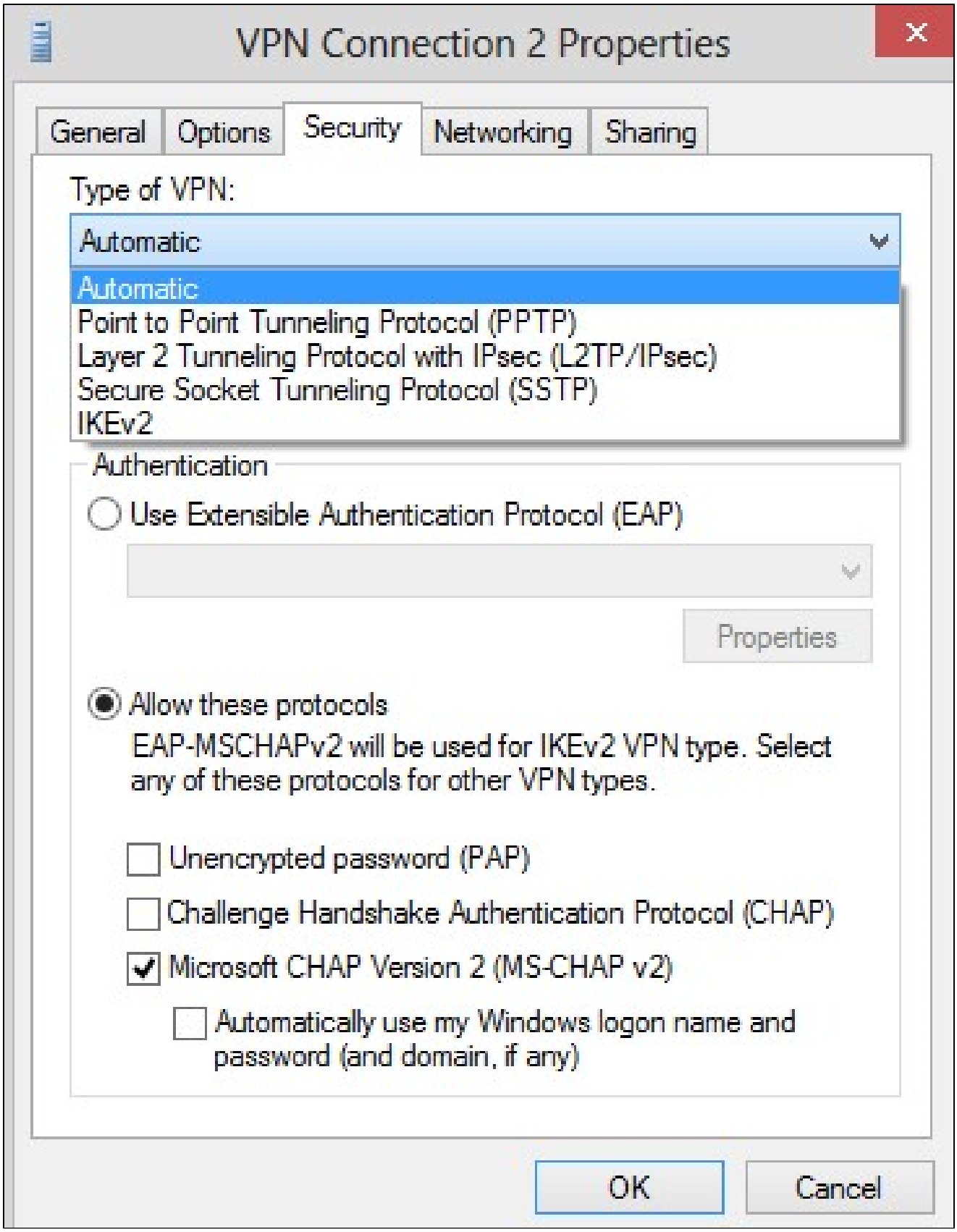

VPN Connection 2 Status
General
Details
Connection
IPv4 Connectivity:
No Internet access
IPv6 Connectivity:
No network access
Media State:
Connected
Duration:
00:01:30
Details...
Activity
Sent
Received
Bytes:
36,339
3,963
Compression:
0 %
0 %
Errors:
0
0
Properties
Disconnect
Diagnose
Close



Step 17. Click **Properties**. The *VPN Destination Properties* window appears:

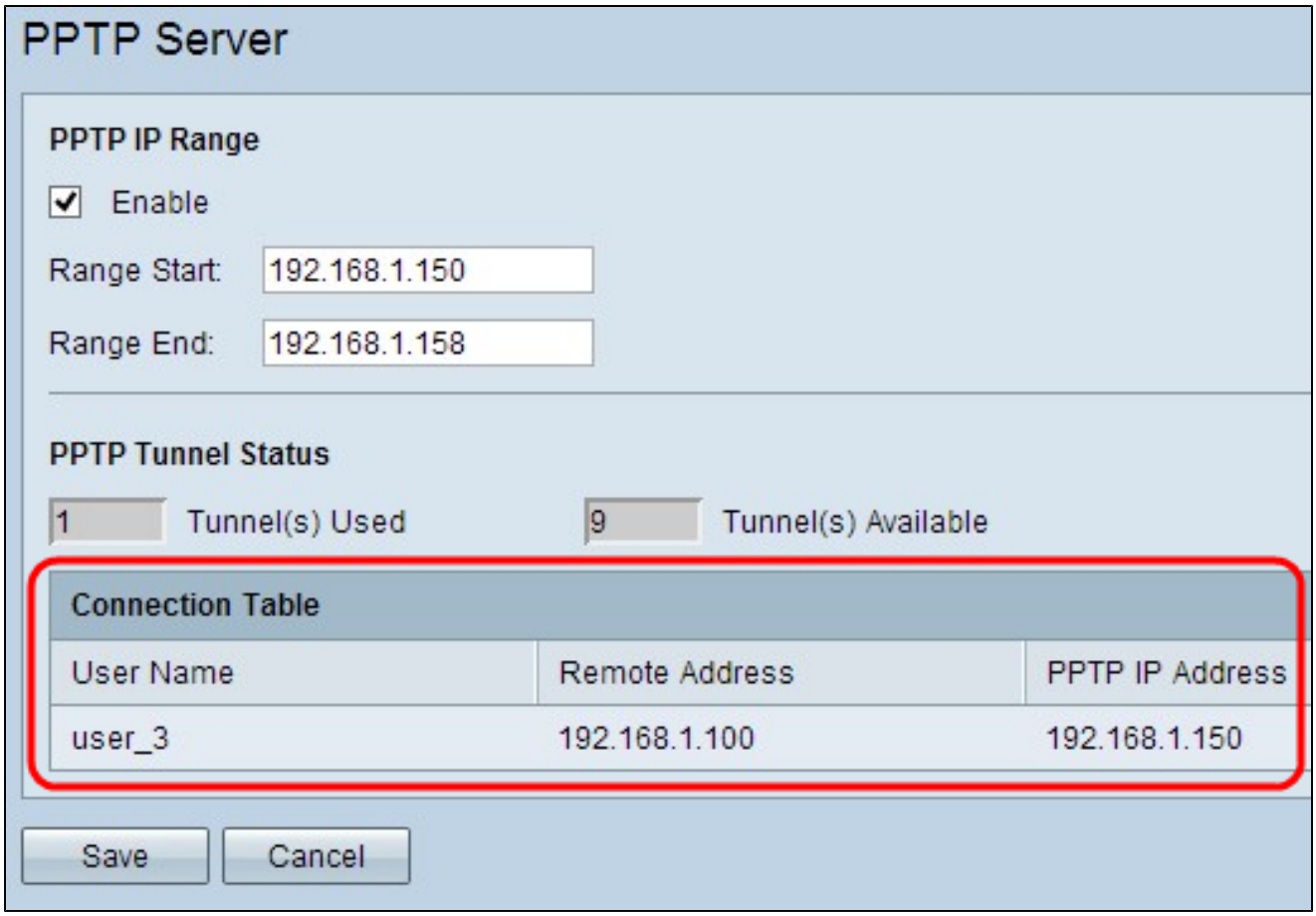


Step 18. Choose the **Security** tab at the top of the window.



Step 19. Choose **Point to Point Tunneling Protocol (PPTP)** from the Type of VPN drop-down list.

Step 20. Click **OK** to save the settings. The new connection adds in the Connection Lists of the *PPTP Server* page.


PPTP Server
PPTP IP Range
Enable
Range Start: 192.168.1.150
Range End: 192.168.1.158
PPTP Tunnel Status
1 Tunnel(s) Used
9 Tunnel(s) Available
Connection Table
User Name
Remote Address
PPTP IP Address
user_3
192.168.1.100
192.168.1.150
Save
Cancel