

How to setup L2TP VPN Dialer for Windows 10



How to setup L2TP VPN Dialer for Windows 10

In this document, we will guide you to create a regular VPN dialer with one noteworthy exception, that we will set the system to NOT use it as the "Default Gateway" when connected. Skipping this step will limit the connecting computer's surfing speed to the VPN server's upload speed (usually slow) because all of it's traffic would be routed through the VPN connection and that's not what we want.

To start the connection wizard, go to "Network and Sharing Center."

1. Click the network icon in the system tray and "Open Network and Sharing Center"



2. In the Network center click on "Set up a new connection or network".



3. Select "Connect to a workplace" and then "Next"

	_		×
 Example 2 Set Up a Connection or Network 			
Choose a connection option			
			1
Connect to the Internet Set up a broadband or dial-up connection to the Internet.			
Set up a new network Set up 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.			
]
Ne	xt	Cance	el

4. Click on the first option of "No, create a new connection" and select VPN Connection.

		_		×
÷	Connect to a Workplace			
	Do you want to use a connection that you already have?			
	No, create a new connection			
	○ Yes, I'll choose an existing connection			
	VPN Connection		^	
	WAN Miniport (L2TP)			
	PPTP-Test			
	WAR WINDOL (PP PP)			
	VPN Connection 2 WAN Miniport (PPTP)			
	testing1		~	
		Next	Canc	el

You will be asked to choose an option how you want to connect. Select, "Use my Internet Connection (VPN)"

	-	-		×	
←	Connect to a Workplace				
	How do you want to connect?				
	→ Use my Internet connection (VPN) Connect using a virtual private network (VPN) connection through the Internet.				
	ių — 🧶 — 🧊				
	→ Dial directly Connect directly to a phone number without going through the Internet.				
	ian i				
			Can	ncel	

5. Set the address of your VPN server as seen from the internet either by DNSname or IP.

			_		×
←	🌆 Connect to a Workplace				
	Type the Internet addre	ess to connect to			
	Your network administrator c	an give you this address.			
	Internet address:	180.20.56.48			
	Destination name:	L2TP Test Dialer			
	Use a smart card				
	Remember my creder	itials			
	Allow other people to This option allows any	use this connection yone with access to this computer to use this connecti	on.		
		С	reate	Cano	:el

6. Set appropriate destination name and set the username and password and press create.

			_		Х
←	🔚 Connect to a Workplace				
	Type the Internet addre	ess to connect to			
	Your network administrator c	an give you this address.			
	Internet address:	180.20.56.48			
	Destination name:	L2TP Test Dialer			
	Use a smart card				
	Remember my creder	ntials			
	Allow other people to	use this connection			
	This option allows an	yone with access to this computer to use this connection	n.		
		Cre	ate	Canc	el

7. After creating the L2TP test dialler, right click on it and press connect.

The connection will show you this prompt at first, but it's normal. Select the second option, "Set up the connection anyway"

Connectio	n failed with error 868	
	·	
The remote not resolve.	connection was not made because the name of the re	mote access server did
Try a	gain	
Set u	p the connection anyway	
Diag	pose the problem	

8. Back in the "Network and Sharing Center" click on "Change adapter settings".

Control Panel Home	View your basic network inf	ormation and	set up connections	·
Change adapter settings	A	-		See full map
Change advanced sharing settings	WIN-3OULOC7MRGK (This computer)	Network	Internet	
	View your active networks		Conn	ect or disconnect
	Network Public network		Access type: Internet Connections: U Local Area Con	nnection
	Change your networking settings —			
	Set up a new connection of Set up a wireless, broadbar point.	<mark>ir network</mark> nd, dial-up, ad hoo	;, or VPN connection; or set up a roo	uter or access

Go to Network connections, right click and select "Properties"



In Properties, select Security -> Advanced Settings



In Advanced Properties of L2TP, select the option "Use preshared key for authentication and enter the key"



Go to networking tab of L2TP Test Dialer Properties and check Internet Protocol Version 4 (TCPIPV4)



Go to advance TCP/IP settings as shown below and tick the bullet options.

nize Start this connection	Rename this connection Delete this connection	ction Change settings of this connection	
Bluetooth Network Connection Not connected Bluetooth Device (Personal Area CITP Test Dialer Disconnected WAN Miniport (IKEv2) VPN Connection 2 Disconnected WAN Miniport (PPTP)	Broadband Connection Disconnected WAN Miniport (PPPOE) Image: Construction of the second se	Ethernet Ethernet 3 Number Number 1 200 Test Dislate Demonstie Number Internet Protocol Version 4 (TCP/IPv4) Properties X General You can get IP settings assigned automatically if your network administrator for the appropriate IP settings. Obtain an IP address automatically Use the following IP address: IP address: IP address: IP address: Alternate DNS server: Alternate DNS server: Advanced OK Cancel Cancel	Ethernet 5 Network cable unplugged TAP-Windows Adapter V9 VPN Connection Advanced TCP/IP Settings IP Settings NN This checkbox only applies when you are connected to a local network and a dial-up network simultaneously. When checked, data that cannot be sent on the local network is forwarded to the dial-up network. Use default gateway on remote network Disable class based route addition Matomatic metric Interface metric:
ms 1 item selected			

NOTE: By checking the default gateway, all the traffic is routed to the firewall. If not checked, only the network traffic is routed to the firewall.

9. Find the dialer we have just created, right click it and now press "Connect / Disconnect"



While this step is optional, for a faster connecting dialer, you can set the "type" of VPN to PPTP under the "Security" tab.



Settings

🔅 Home	VPN	
Find a setting	VPN	Related settings
		Change adapter options
Network & Internet	+ Add a VPN connection	Change advanced sharing options
∯ Status	VPN Connection	Network and Sharing Center
<i>(ii</i> , Wi-Fi	Windows Security X	Windows Firewall
ා Dial-up	Sign in	
	testing1 test	Have a question?
∞ VPN		Gernep
$\mathfrak{r}_{\mathcal{V}}^{n}$ Airplane mode	VPN Con	Make Windows better.
(۱) Mobile hotspot	OK Cancel	Give us feedback
🕒 Data usage	Connecting to L2TP Test Dialer	
Proxy	Cancel	
	Advanced Options	
	Allow VPN over metered networks	
	On	
		↑ Ф») ■ 🔀 🜈 ^{11:24 AM} 🖓

– 0 ×

You should now be able to access all the computers on your network from the windows 10 client.