Configure Win 10 VPN, via internet, to/from my router only.

https://www.bing.com/copilotsearch?q=configure+Win+10+VPN%2c+via+internet%2c++to%2ffrom+my+router+only&FORM=CSSCOP

**You can set up your router as a VPN server with IPsec or PPTP, enable port forwarding, and configure Windows 10’s built-in VPN client to securely connect via the internet directly to your router’s VPN service.**

**Step 1: Configure Your Router as a VPN Server**

* 1. **Access your router’s admin interface:**
	Connect to your router’s LAN IP (e.g., http://192.168.1.1 or http://www.asusrouter.com) via a web browser.
	2. **Enable VPN server features:**
		+ Find the VPN server settings in the advanced settings menu, often under **VPN**, **VPN Server**, or **Remote Access**.
		+ Enable an appropriate VPN protocol your router supports (commonly **IPsec with L2TP** or **PPTP**). For security, IPsec is preferred over PPTP.
		+ Configure VPN authentication by creating a username and password for VPN clients.
		+ Set up a pre-shared key (for IPsec) if required.
	3. **Specify remote IP address pool:**
	Your router will assign VPN clients IP addresses. Define a range that does not overlap with your LAN subnet.
	4. **Configure WAN access:**
	Ensure your router has a **public IP address** or set up **Dynamic DNS (DDNS)** if your ISP assigns dynamic IPs, so you can reach your router from the internet.
	5. **Enable port forwarding or VPN passthrough:**
		+ For PPTP, forward TCP port 1723 and allow GRE protocol (protocol 47).
		+ For L2TP/IPsec, open UDP ports 500, 1701, and 4500.
		Many routers have dedicated VPN passthrough settings; ensure they are enabled.
	6. **Apply and save settings; reboot the router if necessary.**

**Step 2: Configure Windows 10 VPN Client to Connect to the Router**

* 1. **Open VPN settings:**
	Go to **Settings > Network & Internet > VPN** and click **+ Add a VPN connection**.
	2. **Fill in the VPN details:**
		+ **VPN provider:** Select **Windows (built-in)**
		+ **Connection name:** Give it a recognizable name (e.g., "Home Router VPN")
		+ **Server name or address:** Enter your router's public IP or DDNS hostname
		+ **VPN type:** Choose according to your router’s configuration:
			- For IPsec/L2TP, select **L2TP/IPsec with pre-shared key**
			- For PPTP, select **Point to Point Tunneling Protocol (PPTP)**
		+ **Type of sign-in info:** Select **Username and password**
		+ Enter the username and password you configured on the router for VPN access.
	3. **Save the connection.**
	4. **Connect to the VPN:**
	From the VPN settings window or the network icon in the system tray, select your VPN connection and click **Connect**. Enter credentials if requested.

**Step 3: Optional - Restrict Traffic to VPN Only (Kill Switch)**

To ensure all internet traffic goes through the VPN tunnel and no traffic leaks outside it:

* 1. Use firewall rules or Windows advanced settings to **block traffic outside the VPN interface**, allowing only the VPN interface for internet access.
	2. Alternatively, modify routing tables after connection (e.g., remove the default gateway route for the normal network adapter), so traffic only routes through the VPN.
	3. Some VPN clients support a **kill switch** feature that disables network traffic if the VPN disconnects.

**Additional Tips and Notes**

* 1. **Static local IP:** Assign your PC a static local IP in your LAN to avoid issues with routes if your IP changes.
	2. **Firmware:** Update your router firmware to the latest version to ensure VPN support and security.
	3. **Testing:** Always test the VPN connection from an external network (e.g., mobile hotspot or friend's internet) to verify it works from the internet.
	4. **Security:** Use IPsec rather than PPTP if possible, as PPTP is outdated and less secure.
	5. **Router compatibility:** Configuration steps vary between router brands and models; consult your router’s documentation for VPN setup details.

By following these steps, **you will configure your router as a VPN server accessible over the internet and connect to it from Windows 10 using the built-in VPN client, ensuring your PC communicates securely through your router’s VPN only**.

[ASUS](https://www.bing.com/ck/a?!&&p=fdfe03a701ad9c0f23cc50a3bfe1e4f4c8d6e53937ccdd6863f0f0de3710cd16JmltdHM9MTc0OTA4MTYwMA&ptn=3&ver=2&hsh=4&fclid=11a7bf5b-4b86-6674-382c-aa9e4aae6741&psq=configure+Win+10+VPN%2c+via+internet%2c++to%2ffrom+my+router+only&u=a1aHR0cHM6Ly93d3cuYXN1cy5jb20vc3VwcG9ydC9mYXEvMTA0NDM5Ny8&ntb=1" \t "_blank)**[+4](https://www.bing.com/ck/a?!&&p=fdfe03a701ad9c0f23cc50a3bfe1e4f4c8d6e53937ccdd6863f0f0de3710cd16JmltdHM9MTc0OTA4MTYwMA&ptn=3&ver=2&hsh=4&fclid=11a7bf5b-4b86-6674-382c-aa9e4aae6741&psq=configure+Win+10+VPN%2c+via+internet%2c++to%2ffrom+my+router+only&u=a1aHR0cHM6Ly93d3cuYXN1cy5jb20vc3VwcG9ydC9mYXEvMTA0NDM5Ny8&ntb=1" \t "_blank)**

**[Configuring Windows to only allow traffic through VPN](https://www.bing.com/ck/a?!&&p=ea9878b33b691b9a313237587a4e4ed505b28d6513bcb1ab7f1bdce2808e2ff3JmltdHM9MTc0OTA4MTYwMA&ptn=3&ver=2&hsh=4&fclid=11a7bf5b-4b86-6674-382c-aa9e4aae6741&psq=configure+Win+10+VPN%2c+via+internet%2c++to%2ffrom+my+router+only&u=a1aHR0cHM6Ly9zdXBlcnVzZXIuY29tL3F1ZXN0aW9ucy8xNTkwNTIxL2NvbmZpZ3VyaW5nLXdpbmRvd3MtdG8tb25seS1hbGxvdy10cmFmZmljLXRocm91Z2gtdnBu&ntb=1" \t "_blank)**

[](https://www.bing.com/ck/a?!&&p=ea9878b33b691b9a313237587a4e4ed505b28d6513bcb1ab7f1bdce2808e2ff3JmltdHM9MTc0OTA4MTYwMA&ptn=3&ver=2&hsh=4&fclid=11a7bf5b-4b86-6674-382c-aa9e4aae6741&psq=configure+Win+10+VPN%2c+via+internet%2c++to%2ffrom+my+router+only&u=a1aHR0cHM6Ly9zdXBlcnVzZXIuY29tL3F1ZXN0aW9ucy8xNTkwNTIxL2NvbmZpZ3VyaW5nLXdpbmRvd3MtdG8tb25seS1hbGxvdy10cmFmZmljLXRocm91Z2gtdnBu&ntb=1" \t "_blank)

[https://superuser.com › questions › configuring-windows-to-only-allow-traffic-through-vpn](https://www.bing.com/ck/a?!&&p=ea9878b33b691b9a313237587a4e4ed505b28d6513bcb1ab7f1bdce2808e2ff3JmltdHM9MTc0OTA4MTYwMA&ptn=3&ver=2&hsh=4&fclid=11a7bf5b-4b86-6674-382c-aa9e4aae6741&psq=configure+Win+10+VPN%2c+via+internet%2c++to%2ffrom+my+router+only&u=a1aHR0cHM6Ly9zdXBlcnVzZXIuY29tL3F1ZXN0aW9ucy8xNTkwNTIxL2NvbmZpZ3VyaW5nLXdpbmRvd3MtdG8tb25seS1hbGxvdy10cmFmZmljLXRocm91Z2gtdnBu&ntb=1" \t "_blank)

**[[VPN] How to set up IPsec VPN connection in Windows 10 (Firmware ... - ASUS](https://www.bing.com/ck/a?!&&p=fdfe03a701ad9c0f23cc50a3bfe1e4f4c8d6e53937ccdd6863f0f0de3710cd16JmltdHM9MTc0OTA4MTYwMA&ptn=3&ver=2&hsh=4&fclid=11a7bf5b-4b86-6674-382c-aa9e4aae6741&psq=configure+Win+10+VPN%2c+via+internet%2c++to%2ffrom+my+router+only&u=a1aHR0cHM6Ly93d3cuYXN1cy5jb20vc3VwcG9ydC9mYXEvMTA0NDM5Ny8&ntb=1" \t "_blank)**

[](https://www.bing.com/ck/a?!&&p=fdfe03a701ad9c0f23cc50a3bfe1e4f4c8d6e53937ccdd6863f0f0de3710cd16JmltdHM9MTc0OTA4MTYwMA&ptn=3&ver=2&hsh=4&fclid=11a7bf5b-4b86-6674-382c-aa9e4aae6741&psq=configure+Win+10+VPN%2c+via+internet%2c++to%2ffrom+my+router+only&u=a1aHR0cHM6Ly93d3cuYXN1cy5jb20vc3VwcG9ydC9mYXEvMTA0NDM5Ny8&ntb=1" \t "_blank)

[https://www.asus.com › support › faq](https://www.bing.com/ck/a?!&&p=fdfe03a701ad9c0f23cc50a3bfe1e4f4c8d6e53937ccdd6863f0f0de3710cd16JmltdHM9MTc0OTA4MTYwMA&ptn=3&ver=2&hsh=4&fclid=11a7bf5b-4b86-6674-382c-aa9e4aae6741&psq=configure+Win+10+VPN%2c+via+internet%2c++to%2ffrom+my+router+only&u=a1aHR0cHM6Ly93d3cuYXN1cy5jb20vc3VwcG9ydC9mYXEvMTA0NDM5Ny8&ntb=1" \t "_blank)

**[Connect to a VPN in Windows - Microsoft Support](https://www.bing.com/ck/a?!&&p=cf8c973f272db20f44c242c43d2aaf7be4c5240858e8cbbb3a13ecad3fefeefaJmltdHM9MTc0OTA4MTYwMA&ptn=3&ver=2&hsh=4&fclid=11a7bf5b-4b86-6674-382c-aa9e4aae6741&psq=configure+Win+10+VPN%2c+via+internet%2c++to%2ffrom+my+router+only&u=a1aHR0cHM6Ly9zdXBwb3J0Lm1pY3Jvc29mdC5jb20vZW4tdXMvd2luZG93cy9jb25uZWN0LXRvLWEtdnBuLWluLXdpbmRvd3MtM2QyOWFlYjEtZjQ5Ny1mNmI3LTc2MzMtMTE1NzIyYzEwMDlj&ntb=1" \t "_blank)**

[](https://www.bing.com/ck/a?!&&p=cf8c973f272db20f44c242c43d2aaf7be4c5240858e8cbbb3a13ecad3fefeefaJmltdHM9MTc0OTA4MTYwMA&ptn=3&ver=2&hsh=4&fclid=11a7bf5b-4b86-6674-382c-aa9e4aae6741&psq=configure+Win+10+VPN%2c+via+internet%2c++to%2ffrom+my+router+only&u=a1aHR0cHM6Ly9zdXBwb3J0Lm1pY3Jvc29mdC5jb20vZW4tdXMvd2luZG93cy9jb25uZWN0LXRvLWEtdnBuLWluLXdpbmRvd3MtM2QyOWFlYjEtZjQ5Ny1mNmI3LTc2MzMtMTE1NzIyYzEwMDlj&ntb=1" \t "_blank)

[https://support.microsoft.com › en-us › windows](https://www.bing.com/ck/a?!&&p=cf8c973f272db20f44c242c43d2aaf7be4c5240858e8cbbb3a13ecad3fefeefaJmltdHM9MTc0OTA4MTYwMA&ptn=3&ver=2&hsh=4&fclid=11a7bf5b-4b86-6674-382c-aa9e4aae6741&psq=configure+Win+10+VPN%2c+via+internet%2c++to%2ffrom+my+router+only&u=a1aHR0cHM6Ly9zdXBwb3J0Lm1pY3Jvc29mdC5jb20vZW4tdXMvd2luZG93cy9jb25uZWN0LXRvLWEtdnBuLWluLXdpbmRvd3MtM2QyOWFlYjEtZjQ5Ny1mNmI3LTc2MzMtMTE1NzIyYzEwMDlj&ntb=1" \t "_blank)





**Visa alla**

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**[Microsoft Bing-sökning](https://www.bing.com/search?q=configure%20Win%2010%20VPN%2C%20via%20internet%2C%20to%2Ffrom%20my%20router%20only" \t "_blank)**

**Källor**

[**Super User**](https://superuser.com/questions/1590521/configuring-windows-to-only-allow-traffic-through-vpn)**https://superuser.com › questions › configuring-windows-to-only-allow-traffic-through-vpn**

**Configuring Windows to only allow traffic through VPN**

**I would like to configure Windows 10 to only allow traffic through a VPN connection. For example, Firefox won't have internet access if the VPN is not connected. I want to be able …**

[**Microsoft**](https://support.microsoft.com/en-us/windows/connect-to-a-vpn-in-windows-3d29aeb1-f497-f6b7-7633-115722c1009c)**https://support.microsoft.com › en-us › windows**

**Connect to a VPN in Windows - Microsoft Support**

**Select the Start button, then select Settings > Network & Internet > VPN > Add a VPN connection. In Add a VPN connection, do the following: For VPN provider, choose Windows (built-…**

[**windows101tricks.com**](https://windows101tricks.com/configure-vpn-on-windows-10/)**https://windows101tricks.com**

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**Configure The Router for Incoming VPN. Router Configuration: Enable PPTP and Generic Route Encapsulation (GRE) on the Router. Depending on the type of router, you need to either en…**

[**DrayTek**](https://www.draytek.com/support/knowledge-base/5390)**https://www.draytek.com › support › knowledge-base**

**L2TP over IPsec from Windows 10 to Vigor Router - DrayTek**

**This document introduces how to set up Vigor Router as a VPN server for L2TP over IPsec, as well as how to use Windows 10 built-in VPN feature to establish a VPN to Vigor Router an…**

[**ASUS**](https://www.asus.com/support/faq/1044397/)**https://www.asus.com › support › faq**

**[VPN] How to set up IPsec VPN connection in Windows 10 (Firmware ... - ASUS**

**1. Connect your computer to the router via wired or WiFi connection and enter your router LAN IP or router URL http://www.asusrouter.com to the WEB GUI. For more details, please re…**

**Alla länkar**

[**Super User**](https://superuser.com/questions/1590521/configuring-windows-to-only-allow-traffic-through-vpn)**superuser.com › questions › 1590521 › configuring-windows-to-only-allow-traffic-through-vpn**

**Configuring Windows to only allow traffic through VPN**

**I would like to configure Windows 10 to only allow traffic through a VPN connection. For example, Firefox won't have internet access if the VPN is not connected. I want to be able to turn this setting off.**

[**How-To Geek**](https://www.howtogeek.com/835185/how-to-set-up-your-windows-pc-as-a-vpn-router/)**www.howtogeek.com › 835185 › how-to-set-up-your-windows-pc-as-a-vpn-router**

**How to Set Up Your Windows PC as a VPN Router - How-To Geek**

**To set up a virtual router wirelessly on Windows 10 and Windows 11, your device needs to be able to broadcast Wi-Fi, not just receive it. Almost all modern laptops can do this, but this is less the case for desktop PCs. To check, you need to open the Windows command prompt by typing "cmd" in the search bar. Then, type the following:**

[**ASUS**](https://www.asus.com/support/faq/1044397/)**www.asus.com › support › faq › 1044397**

**[VPN] How to set up IPsec VPN connection in Windows 10 (Firmware ... - ASUS**

**1. Connect your computer to the router via wired or WiFi connection and enter your router LAN IP or router URL http://www.asusrouter.com to the WEB GUI. For more details, please refer to How to enter the router setting page(Web GUI) 2. Click [VPN] from the left Advanced Settings > [VPN Server] page. 3. Turn on IPsec VPN Server**

[**TheWindowsClub**](https://www.thewindowsclub.com/configure-vpn-connection-windows)**www.thewindowsclub.com › configure-vpn-connection-windows**

**How to configure VPN connection in Windows 11/10 - The Windows Club**

**This screenshot tutorial will show you how to set up and configure VPN Connection so that your Windows 11/10 computer will accept VPN connections.**

[**Microsoft**](https://support.microsoft.com/en-us/windows/connect-to-a-vpn-in-windows-3d29aeb1-f497-f6b7-7633-115722c1009c)**support.microsoft.com › en-us › windows › connect-to-a-vpn-in-windows-3d29aeb1-f497-f6b7-7633-115722c1009c**

**Connect to a VPN in Windows - Microsoft Support**

**Select the Start button, then select Settings > Network & Internet > VPN > Add a VPN connection. In Add a VPN connection, do the following: For VPN provider, choose Windows (built-in). In the Connection name box, enter a name you'll recognize (for example, My Personal VPN).**

[**Infosec Institute**](https://www.infosecinstitute.com/resources/operating-system-security/how-to-configure-vpn-in-windows-10/)**www.infosecinstitute.com › resources › operating-system-security › how-to-configure-vpn-in-windows-10**

**How to configure VPN in Windows 10 | Infosec - Infosec Institute**

**This article has defined the three basic connection types of VPN and illustrated how to configure a VPN server on a Mikrotik router. We also provided a guide on how to set up a VPN session using the built-in Windows 10 tool.**

[**DrayTek**](https://www.draytek.com/support/knowledge-base/5390)**www.draytek.com › support › knowledge-base › 5390**

**L2TP over IPsec from Windows 10 to Vigor Router - DrayTek**

**This document introduces how to set up Vigor Router as a VPN server for L2TP over IPsec, as well as how to use Windows 10 built-in VPN feature to establish a VPN to Vigor Router and access the Vigor Router's LAN network.**

[**Digital Citizen**](https://www.digitalcitizen.life/how-create-configure-and-use-vpn-connection-windows-10/)**www.digitalcitizen.life › how-create-configure-and-use-vpn-connection-windows-10**

**How to add and use a VPN in Windows 10 (all you need to know)**

**How to manually add a VPN connection in Windows 10. How to add a VPN, configure a VPN, connect to a VPN, and disconnect from it.**

[**windows101tricks.com**](https://windows101tricks.com/configure-vpn-on-windows-10/)**windows101tricks.com › configure-vpn-on-windows-10**

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**Configure The Router for Incoming VPN. Router Configuration: Enable PPTP and Generic Route Encapsulation (GRE) on the Router. Depending on the type of router, you need to either enable PPTP or create a port forward to port 1723. If your router has an additional setting for PPTP or VPN, make sure it’s enabled.**

[**Windows Central**](https://www.windowscentral.com/how-manually-configure-vpn-windows-10)**www.windowscentral.com › how-manually-configure-vpn-windows-10**

**How to manually configure a VPN on Windows 10**

**If you have a VPN subscription and would like to set things up manually, the process should take only a few minutes. Here's what you need to know to get everything working properly.**

[**WindowsLoop**](https://windowsloop.com/using-windows-vpn-options/)**windowsloop.com › using-windows-vpn-options**

**How To Set Up VPN with Built-in VPN Client on Windows 10**

**Here’s how to set up the built-in VPN on Windows: Press the “ Start ” key. Search and open “ VPN Settings.” Click the “ Add VPN ” button. Select “ Windows (built-in) ” from the VPN provider dropdown. Type a name in the “ Connection name ” field. Type the IP address or domain address in the “ Server name or address ” field.**

[**Windows Report**](https://windowsreport.com/vpn-remote-desktop-windows-10/)**windowsreport.com › vpn-remote-desktop-windows-10**

**How to Use VPN for Remote Desktop on Windows [Step-by-Step]**

**A complete guide on how to set up a VPN with Remote Desktop on Windows 10, from enabling Remote Desktop to connecting to the remote PC.**

[**ExpressVPN**](https://www.expressvpn.com/blog/how-to-install-vpn-on-router/)**www.expressvpn.com › blog › how-to-install-vpn-on-router**

**How to set up a VPN on your router - ExpressVPN**

**2. Enable bridge mode on your Xfinity router. This will allow your router to act as a modem only, and pass all traffic through to your VPN-enabled router. 3. Connect your VPN-enabled router to your Xfinity router using an Ethernet cable. 4. Configure your VPN on your router. This will vary depending on the VPN provider and router model.**

[**BleepingComputer**](https://www.bleepingcomputer.com/vpn/guides/how-to-setup-a-vpn-on-your-router/)**www.bleepingcomputer.com › vpn › guides › how-to-setup-a-vpn-on-your-router**

**How to setup a VPN on your router: Detailed walkthrough - BleepingComputer**

**Learn how to set up a VPN on your router and ensure all of your devices are protected. Follow our easy step-by-step guide to get started.**

[**Private Internet Access**](https://www.privateinternetaccess.com/blog/set-up-windows-vpn/)**www.privateinternetaccess.com › blog › set-up-windows-vpn**

**How to Install a VPN on Windows 10 & 11 - Private Internet Access**

**Learn how to set up a VPN on Windows 11 or 10 using manual setup or an app. See if you need a VPN on your PC.**

[**Reddit**](https://www.reddit.com/r/mikrotik/comments/sxs34g/how_to_access_mikrotik_router_over_vpn/)**www.reddit.com › r › mikrotik › comments › sxs34g › how\_to\_access\_mikrotik\_router\_over\_vpn**

**How to access Mikrotik router over VPN? : r/mikrotik - Reddit**

**Now I am able to connect to my home network from the internet no problem. However, I can only ping the router, but I cannot access any services that run on the router: Can't resolve internal domain names via the router's built-in DNS server. Can't use Winbox to change router settings.**

[**NETGEAR**](https://kb.netgear.com/23854/How-do-I-enable-the-VPN-feature-on-my-NETGEAR-router-using-a-Windows-computer)**kb.netgear.com › 23854 › How-do-I-enable-the-VPN-feature-on-my-NETGEAR-router-using-a-Windows-computer**

**How do I enable the VPN feature on my NETGEAR router using a Windows ...**

**Currently, only OpenVPN version 2.7.1 or earlier work with NETGEAR routers. To enable the VPN feature: Launch a web browser from a computer or mobile device that is connected to your router’s local network. Visit www.routerlogin.net A login window displays. Enter your router’s username and password. The default username is admin.**