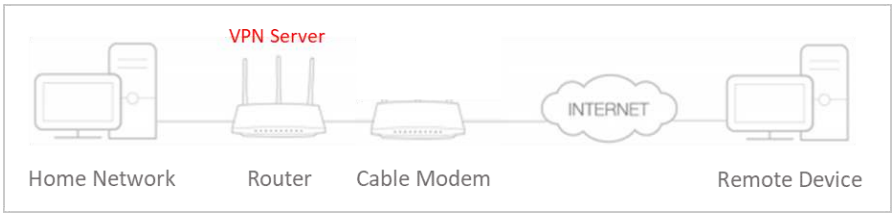
How to use OpenVPN to access your home network thro
Routers (new logo)?

Configuration Guide Updat

This Article Applies to:

In the OpenVPN connection, the home network can act as a server, and the remote device can access the server through the router which acts as VPN feature, you should enable OpenVPN Server on your router, and install and run VPN client software on the remote device. Please follow the ste

Case 1: Only one router in the home network map



Step1. Set up OpenVPN Server on Your Router

1. Log in to the web-based interface of the router. If you don't know how to do that, please refer to

How do I log into the web-based Utility (Management Page) of TP-Link wireless router?

2. Go to **Advanced** > **VPN Server** > **OpenVPN**, and select **Enable VPN Server**.



Note:

- Before you enable VPN Server, we recommend you configure Dynamic DNS Service (recommended) or assign a static IP address for the route Time with the internet.
- For the CG-NAT ISP: **Comporium** and **Direct link - radio service,** provide the customer a private IP, that will cause you can't use the OpenVPN the ISP and ask them to offer a Statis IP address.
- The first time you configure the OpenVPN Server, you may need to **Generate** a certificate before you enable the VPN Server.

3. Select the **Service Type** (communication protocol) for OpenVPN Server: UDP, TCP.

4. Enter a **VPN Service Port** to which a VPN device connects, and the port number should be between 1024 and 65535.

5. In the **VPN Subnet/Netmask** fields, enter the range of IP addresses that can be leased to the device by the OpenVPN server.

6. Select your **Client Access** type. Select **Home Network Only** if you only want the remote device to access your home network; select **Internet a** remote device to access internet through the VPN Server.

7. Click **Save**.

8. Click **Generate** to get a new certificate.



Note:

If you have already generated one, please skip this step, or click **Generate** to update the certificate.

9. Click **Export** to save the OpenVPN configuration file which will be used by the remote device to access your router.



Step 2. Configure OpenVPN Connection on Your Remote Device

1. Visit http://openvpn.net/index.php/download/community-downloads.html to download the OpenVPN software, and install it on your device wher

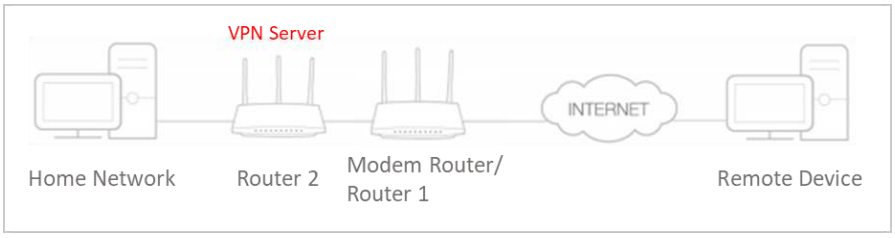
Note:

You need to install the **OpenVPN** client utility on each device that you plan to apply the VPN function to access your router. Mobile devices should or Apple App Store.

2. After the installation, copy the file exported from your router to the OpenVPN client utility's "config" folder (for example, **C:\Program Files\Open** on where the OpenVPN client utility is installed.

3. Run the OpenVPN client utility and connect it to OpenVPN Server.

Case 2: Two or more routers in the home network map



Step1. Set up OpenVPN Server on Your Router

1. Log in to the web-based interface of the router. If you don't know how to do that, please refer to

a. How to log in to the web-based interface of Wi-Fi Routers (new logo)?

b. How to log in to the web-based interface of Wi-Fi Routers (new logo)?

2. Go to **Advanced** > **VPN Server** > **OpenVPN**, and select **Enable VPN Server**.



Note:

• Before you enable VPN Server, we recommend you configure Dynamic DNS Service (recommended) or assign a static IP address for router's WA with internet.

• The first time you configure the OpenVPN Server, you may need to **Generate** a certificate before you enable the VPN Server.

3. Select the **Service Type** (communication protocol) for OpenVPN Server: UDP, TCP.

4. Enter a **VPN Service Port** to which a VPN device connects, and the port number should be between 1024 and 65535. Please **write down** the **Se**

5. In the **VPN Subnet/Netmask** fields, enter the range of IP addresses that can be leased to the device by the OpenVPN server.

6. Select your **Client Access** type. Select **Home Network Only** if you only want the remote device to access your home network; select **Internet a** remote device to access internet through the VPN Server.

7. Click **Save**.

8. Click **Generate** to get a new certificate.



Note:

If you have already generated one, please skip this step, or click **Generate** to update the certificate.

9. Click **Export** to save the OpenVPN configuration file which will be used by the remote device to access your router.



10. Set up **Virtual Server/Port Forwarding** for Router 2 on Modem Router/Router 1, please refer to

Port forwarding: how to set up virtual server on TP-Link Wi-Fi Routers (tp-link.com)

Note:

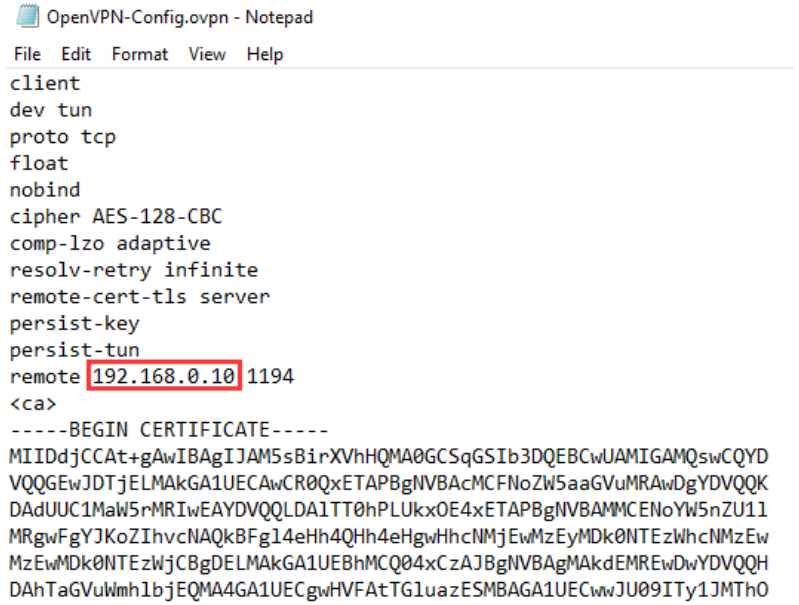
1. Please make sure the Internal Port is the same as the VPN Service Port you wrote down before.
2. Enter and write down the **External Port**.

11. Go to **the Management Interface of the Modem Router/Router1,** and write down the **WAN IP address**.

12. Right-Click the OpenVPN configuration file, open it with the **Notepad**.

Please modify following two characters:

1. Modify the **remote address** to **the WAN IP address of the Modem Router/Router1** you wrote down in Step 11.
2. Modify the **Port number** to **External Port** you set for the Router2 in Step 10.



13.**Save** the OpenVPN configuration file.

Step 2. Configure OpenVPN Connection on Your Remote Device

1. Visit http://openvpn.net/index.php/download/community-downloads.html to download the OpenVPN software, and install it on your device wher

Note:

You need to install the **OpenVPN** client utility on each device that you plan to apply the VPN function to access your router. Mobile devices should or Apple App Store.

2. After the installation, copy the file exported from your router to the OpenVPN client utility's "config" folder (for example, **C:\Program Files\Open** on where the OpenVPN client utility is installed.

3. Run the OpenVPN client utility and connect it to OpenVPN Server.

Get to know more details of each function and configuration please go to Download Center to download the manual of your product.

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