



# VPN Tracker 365

## VPN Configuration Guide

TP-Link SafeStream VPN Routers

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# Introduction

## My VPN Gateway Configuration Checklist

Throughout this guide, there are certain pieces of information that are needed later on for configuring VPN Tracker 365. This information is marked with red numbers to make it easier to reference it later. You can print this checklist to help keep track of the various settings of your TP-Link VPN router.

### IP Addresses

**(1)** WAN IP Address:

or DNS host name:

**(2)** LAN Network Address:

### Authentication

**(3)** Pre-Shared Key:

## Task 1 – Configure your TP-Link Router

This section describes the configuration of your TP-Link VPN router. If you do not yet have VPN configured and in use on your device, please proceed exactly as described in this section.

### Step 1 – Find the WAN ID or Host Name

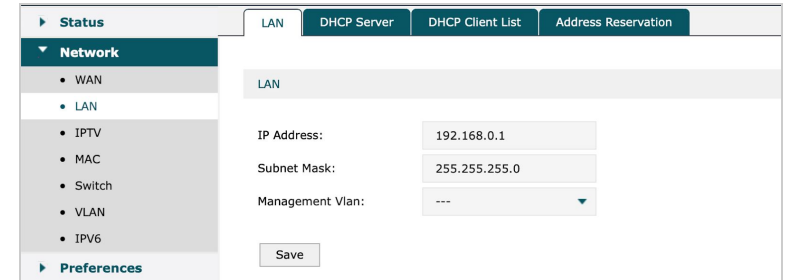
- Connect to your TP-Link's web interface.
- Go to **Network > WAN**
- Under WAN, write down the IP address as **(1)** on your → Configuration Checklist.

The screenshot shows the TP-Link web interface for a TL-R600VPN router. The left sidebar contains navigation links: Status, Network, Preferences, Transmission, Firewall, Behavior Control, VPN, Authentication, Services, System Tools, and Logout. The main content area is titled 'WAN Mode' and has tabs for WAN1 and WAN2. The 'WAN1' tab is active, showing 'Connection Configuration' and 'Connection Status' sections. The 'Connection Configuration' section includes fields for Connection Type (Dynamic IP), Host Name (Optional), Upstream Bandwidth (1000000), Downstream Bandwidth (1000000), MTU (1500, with a range of 576-1500), Primary DNS (Optional), Secondary DNS (Optional), and Vlan (10). There is a checkbox for 'Get IP using Unicast DHCP'. The 'Connection Status' section shows the router is 'Connected' with an IP Address of 192.168.10.254, Subnet Mask of 255.255.255.0, Default Gateway of 192.168.10.100, Primary DNS of 212.109.32.5, and Secondary DNS of 212.109.32.9. At the bottom left, there is a copyright notice: 'Copyright © 2018 TP-Link Technologies Co., Ltd. All rights reserved.'

If you don't have a static public IP address, you can configure a hostname under **Services > Dynamic DNS**. If you have configured a Dynamic DNS service, use that Domain Name as IP address.

## Step 2 - Identify the LAN Network

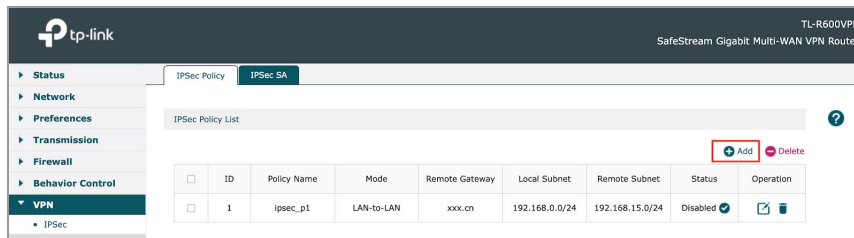
- Go to **Network > LAN**
- The IP address there will give you the Remote Network for **(2)** on your Configuration Checklist.



LAN configuration page showing IP Address: 192.168.0.1, Subnet Mask: 255.255.255.0, and Management Vlan: ---. A Save button is visible.

## Step 3 - Configure the VPN connection

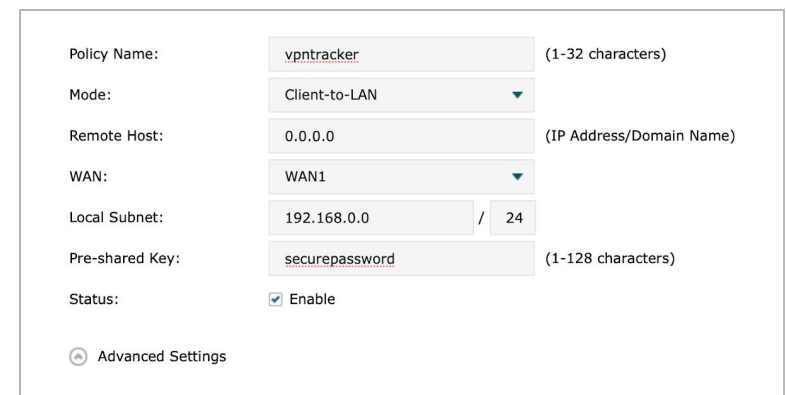
- Go to **VPN > IPSec** and click the plus symbol to add a new IPSec policy



IPSec Policy List table:

ID	Policy Name	Mode	Remote Gateway	Local Subnet	Remote Subnet	Status	Operation
1	ipsec_p1	LAN-to-LAN	xxx.cn	192.168.0.0/24	192.168.15.0/24	Disabled	[Add] [Delete]

- Fill out the settings for the new policy:
  - ◆ **Name:** Choose a name to identify the policy (i.e. vpntracker)
  - ◆ **Mode:** LAN to Client
  - ◆ **Remote Host:** Enter 0.0.0.0 to represent any IP address
  - ◆ **WAN:** Select the local WAN port to be used for the policy (i.e. WAN 1)
  - ◆ **Local Subnet:** Your local IP address **(2)** and subnet mask
  - ◆ **Pre-Shared Key (3):** Set a secure password for your connection



IPSec Policy configuration form:

- Policy Name: vpntracker (1-32 characters)
- Mode: Client-to-LAN
- Remote Host: 0.0.0.0 (IP Address/Domain Name)
- WAN: WAN1
- Local Subnet: 192.168.0.0 / 24
- Pre-shared Key: securepassword (1-128 characters)
- Status: ☒ Enable
- Advanced Settings

→ Go to **Advanced Settings** and fill out the following settings needed for VPN Tracker 365

◆ Under Phase 1 > Negotiator, select **Responder**:

**Phase-1 Settings**

Proposal:	sha1-aes256-dh2	▼
Proposal:	---	▼
Proposal:	---	▼
Proposal:	---	▼
Exchange Mode:	<input checked="" type="radio"/> Main Mode <input type="radio"/> Aggressive Mode	
Negotiation Mode:	<input type="radio"/> Initiator Mode <input checked="" type="radio"/> Responder Mode	
Local ID Type:	<input checked="" type="radio"/> IP Address <input type="radio"/> NAME	
Local ID:	<input type="text"/> (1-28 non-blank characters)	
Remote ID Type:	<input checked="" type="radio"/> IP Address <input type="radio"/> NAME	
Remote ID:	<input type="text"/> (1-28 non-blank characters)	
SA Lifetime:	28800	seconds (60-604800)
DPD:	<input checked="" type="checkbox"/> Enable	
DPD Interval:	10	seconds (1-300)

◆ Under Phase 2 > PFS, select **dh5**:

**Phase-2 Settings**

Encapsulation Mode:	<input checked="" type="radio"/> Tunnel Mode <input type="radio"/> Transport Mode	
Proposal:	esp-sha1-aes256	▼
Proposal:	---	▼
Proposal:	---	▼
Proposal:	---	▼
PFS:	dh5	▼
SA Lifetime:	28800	seconds (120-604800)

OK Cancel

## Task 2 – VPN Tracker Configuration

After finishing Task 1, you should now have a completed a configuration checklist containing your TP Link router's settings. We will now create a matching configuration in VPN Tracker 365.

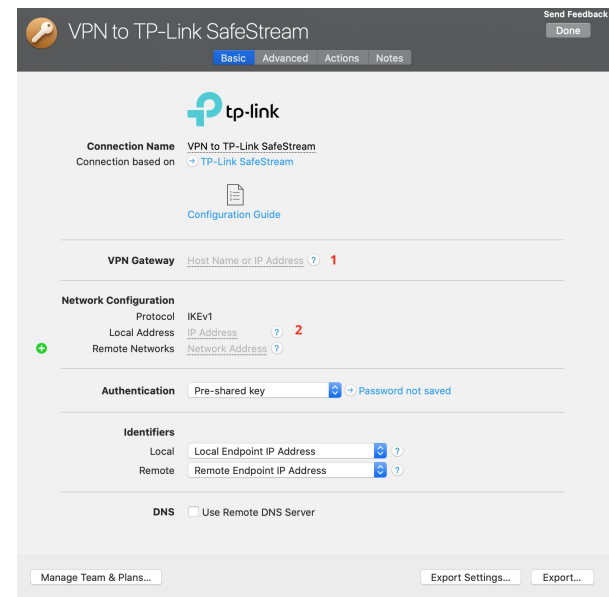
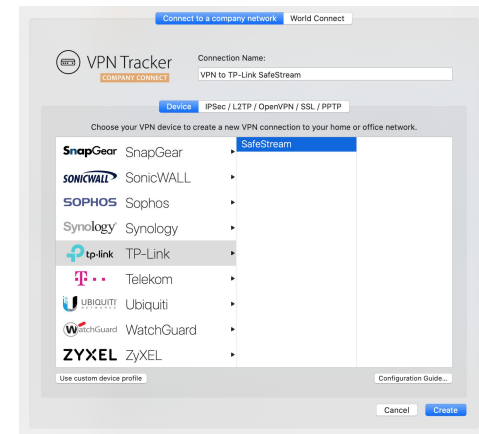
### Step One: Add a connection

- Open VPN Tracker 365.
- Click on the + in the bottom left corner of the app window and select “Create new Company Connection”
- Select TP Link from the list.
- Select your model (e.g. SafeStream) and enter a name for your connection.

### Step 2 – Configure the VPN Connection

You can now configure your connection using the steps outlined in Task 1:

- **VPN Gateway:** Enter your TP-Link's public IP address or its host name **(1)** from your Configuration Checklist.
- **Network Configuration:** Enter the remote network from **(2)**





## Task 3 - Testing the VPN connection

In order to test your connection, you will need to connect from a different location.

For example, if you are setting up a VPN connection to your office, try it out at home, or from an Internet cafe, or go visit a friend.

### Connect to your VPN

- Check first of all that your internet connection is working as it should be. Use this link as a test: <http://www.equinux.com>
- Start the VPN Tracker 365 app.
- Click on the On/Off slider to turn on your connection.

### IMPORTANT:

If you are using VPN Tracker for the first time with your current Internet connection, it will test your connection. Wait for the test to complete.

- Depending on your setup, You will be prompted to enter your pre-shared key **(3)**. To save time for the future, check the box “Store in Keychain” to save the password in your keychain so you are not asked for it again when connecting the next time.

### Connected!

Connecting may take a couple of seconds. If the On/Off button turns blue that's great – you're connected!

Now is a great time to take a look at the [VPN Tracker Manual](#). It shows you how to use your VPN and how to get the most out of it.

## Troubleshooting

In case there's a problem connecting, a yellow warning triangle will show up.

Click the yellow warning triangle to be taken to the log.

The log will explain exactly what the problem is. Follow the steps listed in the log.

**TIP:** Press Cmd-L to open the log in a new window. That way, you can have the log side-by-side with your VPN configuration while making changes to troubleshoot a problem

### VPN Tracker Manual

The [VPN Tracker Manual](http://www.vpntracker.com/support) contains detailed troubleshooting advice. Answers to frequently asked questions (FAQs) can be found at: <http://www.vpntracker.com/support>

## Technical Support

If you're stuck, the technical support team at equinix is here to help. Contact us via <http://www.vpntracker.com/support>

Please include the following information with any request for support:

- A description of the problem and any troubleshooting steps that you have already taken.
- A VPN Tracker Technical Support Report (Log > Technical Support Report).
- Device model and the firmware version running on it.
- Screenshots of the VPN settings on your VPN gateway.

**IMPORTANT:** A Technical Support Report contains the settings and logs necessary for resolving technical problems. Confidential information (e.g. passwords, private keys for certificates) is not included in a Technical Support Report.