equinux

VPN Tracker 365

VPN Configuration Guide

DrayTek Vigor 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 DrayTek Vigor VPN router.

IP Addresses

(1) Peer ID:

(2) Pre-Shared Key:

(3) LAN Network Address: _____ . _____ . _____ .

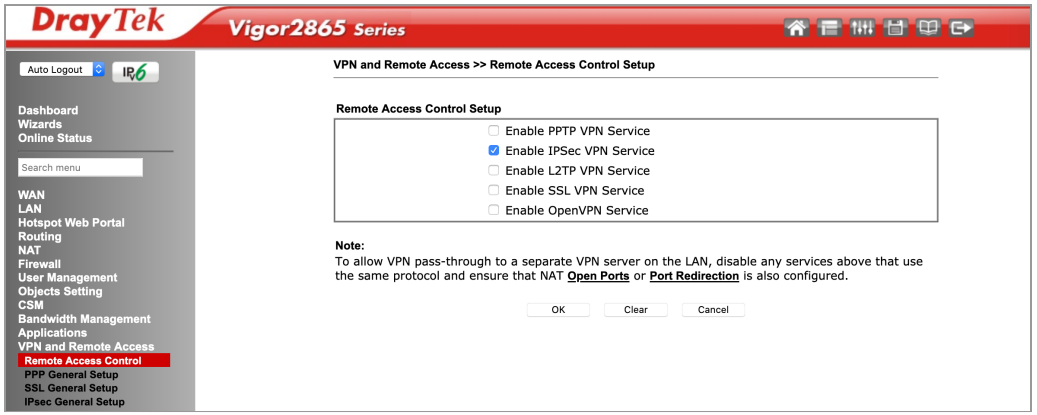
(4) WAN IP Address: _____ . _____ . _____ . _____ (or DNS host name _____)

Task One – Configure your DrayTek Device

This section describes the configuration of your DrayTek Vigor VPN router. If you do not yet have VPN configured and in use on your device, please proceed exactly as described in this section. We will be creating a connection using a Remote Dial-in User.

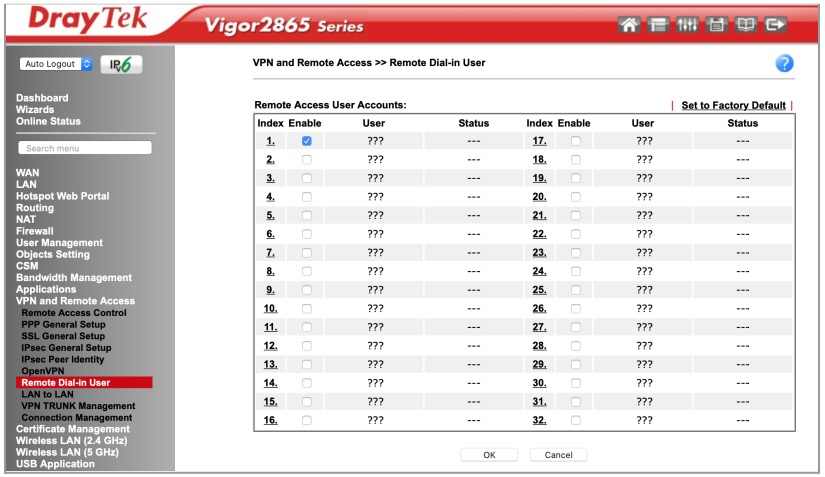
Step One: Enable the IPsec VPN Service

- ➔ Log in to your device's web interface
- ➔ Select **VPN and Remote Access**
- ➔ Click **Remote Access Control**
- ➔ Check the box **Enable IPsec VPN Service**
- ➔ Click **Ok**



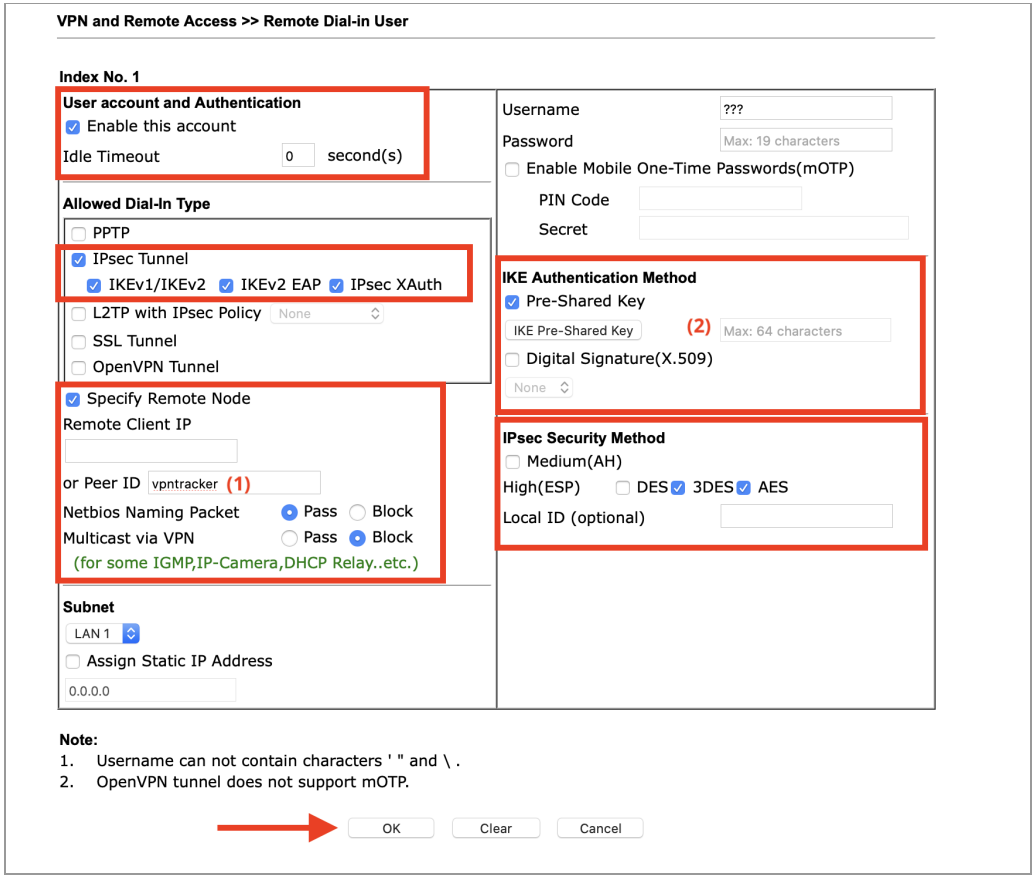
Step Two: Add a New Remote Dial-In User

- ➔ Click **Remote Dial-In User**
- ➔ **Remote Access User Accounts:** Under **Index,** click on an unused number (e.g. 1) to set up a new user.



Step Three: Configure Remote Access Settings

- ➔ User Accounts and Authentication
  - ◆ Check the box **Enable this account**
  - ◆ Make sure the **Idle Timeout** is set to **0** seconds
- ➔ Allowed Dial-In Type
  - ◆ Check the box **IPsec Tunnel**
  - ◆ If you don't plan to be using the other options (e.g. PPTP), uncheck them
- ➔ Check the box **Specify Remote Node**
  - ◆ **Peer ID**: Enter an identifier for this connection (e.g. *vpntracker*) **(1)**
- ➔ IKE Authentication Method
  - ◆ Check the box **Pre-Shared Key** and enter a secure password in the pop up window **(2)**
- ➔ IPSec Security Method
  - ◆ Uncheck the box **Medium (AH)**
  - ◆ **High (ESP)**: We recommend checking 3DES and AES, but not DES. Make sure at least one method is always checked.



When you have completed these steps, click **Ok** to save the new Remote Dial-in User.

Step Four: Retrieve the LAN Settings

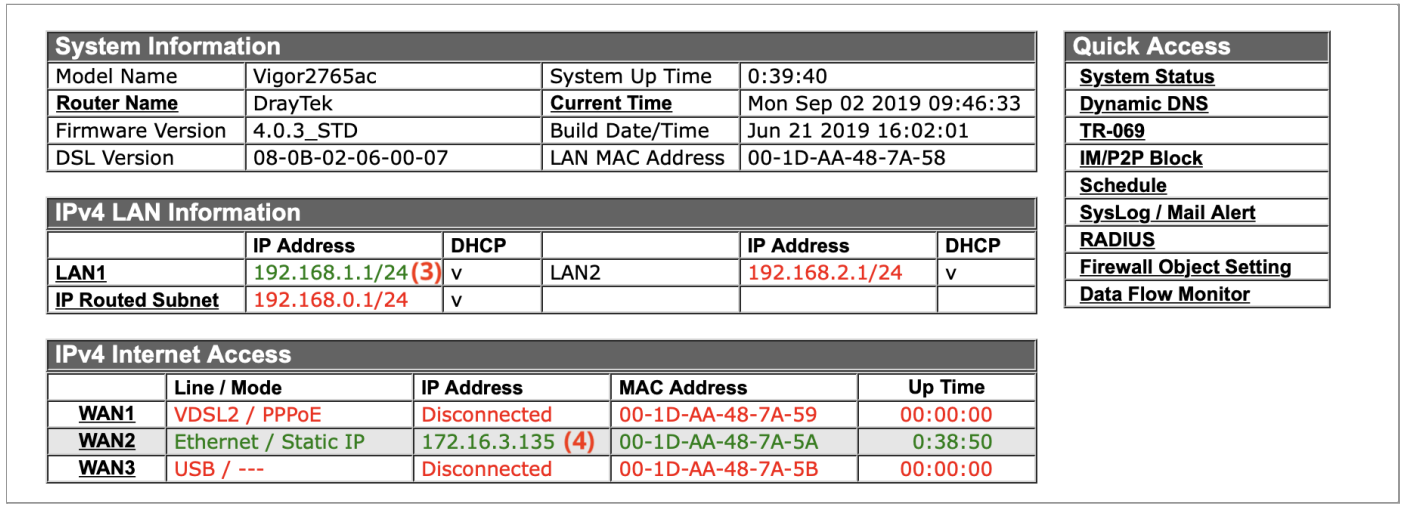
➔ Click the **Vigor Series** logo at the top left corner of the configuration interface to open the **System Status** dashboard

➔ LAN IP Network Configuration

- Go to **IPv4 LAN Information**
- To locate the Remote Network Address, write down the **LAN1 IP Address (3)** and substitute the last digit with a "0" (e.g. 192.168.1.1 → 192.168.1.0)
  Learn why

➔ WAN IP Network Configuration

- Go to **IPv4 Internet Access**
- Write down the **WAN Static IP Address (4)**



System Information

Model Name	Vigor2765ac	System Up Time	0:39:40
Router Name	DrayTek	**Current Time**	Mon Sep 02 2019 09:46:33
Firmware Version	4.0.3_STD	Build Date/Time	Jun 21 2019 16:02:01
DSL Version	08-0B-02-06-00-07	LAN MAC Address	00-1D-AA-48-7A-58

IPv4 LAN Information

	IP Address	DHCP		IP Address	DHCP
LAN1	192.168.1.1/24 **(3)**	v	LAN2	192.168.2.1/24	v
IP Routed Subnet	192.168.0.1/24	v			

IPv4 Internet Access

	Line / Mode	IP Address	MAC Address	Up Time
WAN1	VDSL2 / PPPoE	Disconnected	00-1D-AA-48-7A-59	00:00:00
WAN2	Ethernet / Static IP	172.16.3.135 **(4)**	00-1D-AA-48-7A-5A	0:38:50
WAN3	USB / ---	Disconnected	00-1D-AA-48-7A-5B	00:00:00

Quick Access

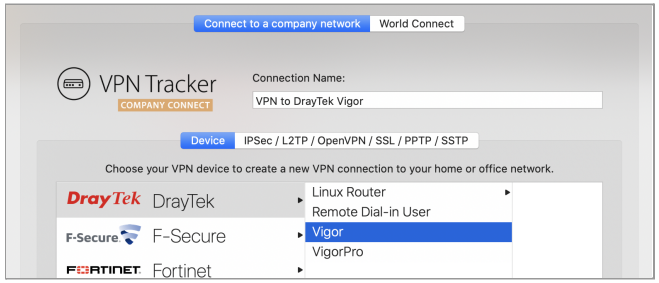
- **System Status**
- **Dynamic DNS**
- **TR-069**
- **IM/P2P Block**
- **Schedule**
- **SysLog / Mail Alert**
- **RADIUS**
- **Firewall Object Setting**
- **Data Flow Monitor**

Task Two – VPN Tracker Configuration

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

Step One: Add a connection

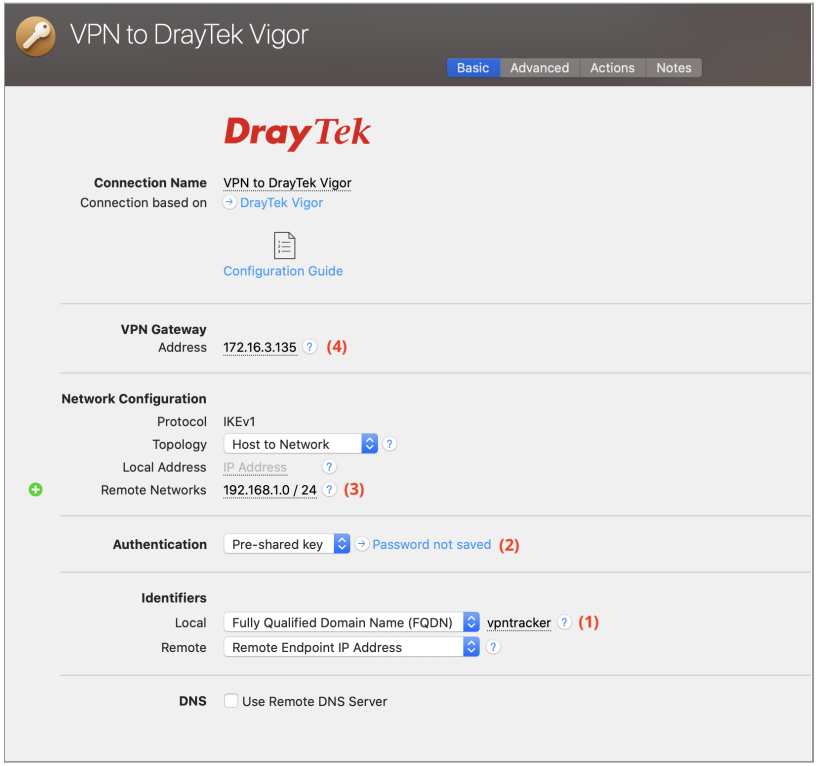
- ➔ Open VPN Tracker 365.
- ➔ Click on the + in the bottom left corner of the app window and select "**Create new Company Connection**"
- ➔ Select **DrayTek** from the list.
- ➔ Select your model (e.g. Vigor) and enter a name for your connection.



Step Two: Configure the VPN Connection

Once you have added the new connection, there are a few settings that need to be customized to match what is configured on your VPN gateway.

- ➔ **VPN Gateway:** Enter your DrayTek's public IP address **(4)**. If you are using Dynamic DNS, or if the device has a DNS host name, use this instead
- ➔ **Remote Networks**: Enter the network address **(3)** of the network that is being accessed through the VPN tunnel. Tip: You can enter a subnet here in CIDR notation - or just enter your remote network and have VPN Tracker take care of it for you.
- ➔ **Local Identifier:** Enter the Peer ID from your DrayTek device **(1)**
- ➔ **Authentication:** Select Pre-shared key and enter the password **(2)** you created in the previous task. Tip: Save this in your Keychain to save time next time you connect



Task Three - 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.

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 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 equinux 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.