



# **VPN Tracker Quick Setup Guide**

NETGEAR<sup>®</sup> ProSafe<sup>™</sup> FVS114 / FVS318v3

Edition 1.0

equinux AG and equinux USA, Inc.

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# How to use this Guide

This guide has a step-by-step approach to help you set up your own Virtual Private Network.

# The sections of this guide

The first section helps you to understand what a Virtual Private Network (VPN) is.

The sections **Step 1** through to **Step 5** will guide you through the VPN configuration. Each step includes a time estimate of how long it should take. The guide is designed in a way which allows you to pause the setup after major steps, then resume at a later time.

The Troubleshooting section will help you if anything goes wrong during the setup.

Last but not least, the What next? section will give you examples of how to leverage your new VPN.

## Prerequisites

To setup your VPN, you'll need this Quick Setup Guide, VPN Tracker software, VPN Tracker Setup Assistant and a NETGEAR Router.

# The Checklist

When setting up a VPN, you'll have to handle a couple of parameters. To make life easy, we have created a form, where you insert all parameters. Throughout the setup we will point back to those parameters - you'll always have them handy.

We call this form the Checklist. Please now unfold the Checklist on the last page of this guide.

# Support

Setting up a VPN is no longer a hassle. equinux has made every effort to make the setup as easy as possible. If you still have questions, see the FAQ section of our website for more information (http://www.equinux.com/goto/vpn-solution-faq/).

OK. Let's get started!

# The five steps to your own VPN

Setting up a VPN is easier than most people think. VPN technology is very advanced and up until now, only technically savvy people have been able to set up such a network. But now with the VPN Tracker **Quick Setup Guide**, setting up a VPN has been made easy.

This Guide will help you in 5 steps to setup a secure, remote connection to your **Private Network** (home or office). We estimate that you'll need a total of three hours to setup the whole VPN connection.

#### Step 1 Configure your Network [~45 minutes]

This step explains how you can integrate a VPN Router into your current network setup.

#### Step 2 Public IP Address Configuration [~20 minutes]

This step describes how to setup a public IP address for your VPN Router. This public address can either be static or dynamic.

#### Step 3 Configure your VPN Router [~30 minutes]

In order to connect to your Private Network from a remote location, you'll have to setup your VPN Router correctly.

#### Step 4 VPN Tracker Setup Assistant [~5 minutes]

The VPN Tracker Setup Assistant will help you setup the VPN Tracker software on your MacBook Pro.

#### Step 5 Test the VPN Connection [~10 minutes]

This is the final step and explains how to start and test your VPN connection.

# **Understand a VPN**

This section explains the basic concept of a Virtual Private Network. It shows you how to change your existing network structure to support a VPN.

# What is a VPN?

VPN is an abbreviation of Virtual Private Network. It allows you to connect into your Private Network (office or home) from anywhere in the world, through the Internet - Securely. You can then, for example, access your files and services, receive mails from your company, get contacts from your FileMaker database or retrieve a music file from your home/office computer. All that communication is done through a secure tunnel from anywhere in the world where you have an Internet connection.

# Where can I use my VPN connection?

Whether you're working from a hotel, an Internet cafe or from your home office, VPN enables you to access important resources in your Private Network from any place at any time.

# How my existing network has to be changed

Typically, one has an existing home or company network that is attached to the Internet using DSL or cable-modem with a standard router. This section describes how you can alter your existing network to make it VPN enabled, secure and remotely accessible.

#### Your current network setup

The following picture is an example of a typical network layout which can be found today in many homes or offices.



The network is usually connected to the Internet using a DSL or Cable Modem ①.

A router, in this example, is an AirPort Base Station ②, routes Internet traffic to the local network. It may also act as a WLAN base station ③.

A network Hub or Switch ④ is often used for connecting other devices, like other workstations or servers ⑤ to the network.

#### 8

### Learn what has to be changed to get VPN functionality

The first task is to integrate the VPN NETGEAR Router into the current network setup. The basic change of this step is the replacement of the existing router with a VPN Router. The old router is then usually no longer needed, unless it is a WLAN and you need a wireless connection.

If your old router brought functionality to your network that you would like to remain using, i.e. WLAN access, then you should keep it. We'll explain how to keep and integrate the AirPort Base Station as a wireless bridge in your network (section 1.2).

See the changes after we brought in the new VPN Router:



The new VPN NETGEAR Router <sup>(6)</sup> now replaces the AirPort Base Station and then acts as the gateway between the local network and the Internet.

To remain using the WLAN function of the AirPort Base Station ②, the station will be connected like any other network device to the hub/switch. It then acts as a simple bridge for all wireless devices.

#### Understand how a VPN connection works

We'll now explain how all the components in our example network communicate with each other and how VPN Tracker can be used to access our example network.



Internet café

In the figure you can see a MacBook Pro T, where VPN Tracker software is installed. It is located in an Internet café, accessing the Internet through a public Internet connection (8).

To connect to the Private Network simply start the VPN Tracker software. A secure tunnel will then be built to your VPN Router (6) in your Private Network.

Once the secure connection has been established you can access all the devices/computers (5) in the remote network through the secure VPN tunnel.

This means, for example, you can use On Air (<u>http://www.equinux.com/onair/</u>) to access a network camera (9) and observe what is going on in the office or at home.

You can also access files on your Mac mini 10 or your FileMaker database 11.

# Step 1: Configure your Network

This section explains, step-by-step, how you can integrate a VPN Router into your current network setup.

**Hint:** The steps might be different in your own network. You might not have a switch and instead of the AirPort Base Station there might be another router connected to your cable / DSL modem. However, remember that the VPN Router should be the first device after your cable or DSL modem and the rest of the network should be connected to the VPN Router.

## 1.1 Adding the VPN Router to your network

To include the VPN Router in our current network setup, please perform the following steps:



Unplug the device ② which is connected to your cable/DSL Modem ①.

In this illustration, it's an AirPort Base Station.



 Connect your cable / DSL modem ① to the Internet port of your new VPN Router device ⑥.

If you have a Network Switch or Hub:

 Connect a cable from your network switch ④ to a free network port of your VPN Router device ⑥.

If you want to remain using your "old" wireless router for WLAN functionality:

 Connect the Internet port of your wireless router (2) to your hub / switch (4). In our illustration, we show you how to connect from your AirPort Base Station (2) to your local network.

Note: Your new VPN Router (6) may have integrated network ports, 4 or 8. If you don't have more than 4 or 8 wired devices in your network, you could eliminate any existing hub/switch (4) and connect all your devices directly to the VPN device (6).

# operation mode to a so called Bridging Mode. Select Base Station $\bigcirc$ Eg.

### • Select your AirPort Base Station from the list and click on Configure

Open the Finder application

Choose in the menu bar Go>Utilities Double click the AirPort Admin Utility

## **1.2 AirPort Base Station Integration** If you do have an AirPort Base Station you can still use it in your network setup, but we will have to modify its settings slightly. It will

then act as a wireless "bridge", bringing all your wireless devices into the network. This means we need to change the router

To change the AirPort Base Station to Bridging Mode, please perform the following steps:

000 0 Other Rescan Configure Multiple Name IP Address Name: equinux Ethernet (WAN): 00:03:93:df:dc:cd Ethernet (LAN): 00:03:93:df:dc:cc AirPort ID: 00:03:93:e8:ad:72 Apple Base Station V5.6

AirPort Inter	net Network Port	t Mapping	Access Control	WDS
Connect Using:	thernet		\$	
onfigure TCP/IP usin	g Ethernet			
Configure:	Using DHCP			
IP address:	192.168.0.2			
Subnet mask:	255.255.255.0			
Router address:	192.168.0.1			
DNS servers:		192.1	68.0.1	
Domain name:				
DHCP Client ID:				
	Automatic (Default)	•		

- Click on the Internet tab
- Change Connect Using to Ethernet
- Change Configure to Using DHCP

AirPort Internet	Network	Port Mapping	Access Control	WDS
ettings in this section detern omputers connected to its Ai		se station's Internet	connection is share	d with
Distribute IP addresses				
AirPort client computer	5:			
		ng DHCP and NA	T)	
Use 10.0.1.1 add	lressing	•		
O Share a range o	f IP addresses	(using only DHC	P)	
Beginning:		DHCP leas	se: Ho	ours 🗍
Ending:		Messag	je:	
Enable PPP Dial-in ( Enable AOL parental		LDAP Serve	er:	
ternet sharing using networ e network must configure T				
ternet sharing using networ	k address transla			

- Click on the **Network** tab
- Untick Distribute IP addresses
- Click on the Update button in the lower right corner

The Base Station will then reboot and receive an IP address from the VPN Router, which enables you to still have a wireless access to your network.

### 1.3 Network components are now set!

Your network components are now correctly setup. The next section describes the IP address setup in your Private Network. It also explains how you would be able to connect from an Internet Café to your Private Network.

# **Step 2: Public IP Address Configuration**

In order to connect to your VPN Router from the outside, you need to configure a public IP address. In this section you will check what kind of Internet connection you use and how to configure it appropriately.

# 2.1 The difference between static and dynamic IP addresses

There are two different ways ISPs (Internet Service Provider) provide an IP address to your router when you connect to the Internet.

Static: If your ISP provides you with a static IP address, then you need to configure this IP address on the VPN Router for Internet access

**Dynamic:** If you receive a **dynamic** IP address, which means it changes every time you connect to the Internet, then you'll need to setup a DynDNS account.

Hint: If you are not sure, if your ISP provides you with a dynamic or static IP address, please call your ISP to find out.

▶ If you have a static IP address tick the checkbox Static IP Address on you Checklist **()** and proceed to Step 3.

• If you have a dynamic IP address tick the checkbox Dynamic IP Address on your Checklist **1** and proceed to the next page.

# 2.2 What is a DynDNS service?

This service is provided free of charge to the Internet community. The free Dynamic DNS service allows you to alias a dynamic IP address to a static host name allowing your computer to be more easily accessed from various locations on the Internet.

# 2.3 Create your DynDNS Account

To create a DynDNS account please follow the steps below:



- Open your Internet browser
- Go to http://www.dyndns.org
- Click on Account in the top menu bar
- In the left menu bar, click on Create Account
- Enter your Username (e.g. yourname) and write it down in the Checklist **2**
- Enter your E-mail Address
- Enter your Password (e.g. mypassword) and write it down in the Checklist 3

- You will receive a confirmation email from DynDNS.org
- Click on the link in the confirmation e-mail



- Enter your Username 🕗 and Password 🕄
- Click on the **Login** button

🛞 Dyn	DNS					Logged In Oser vpetrack <u>Wy Services</u> - <u>Settings</u> - <u>Log O</u>
	About	Services	Account	Support	News	1
My Account My Services	Account Sur	mmary for vpn	tracker			
Account Sattings	My Services					
Billing	View, modify, purcha	ase, and delete your se	ervices. My Services			
Search DynDNS	Account Setting	le				
(Search)	Updale e-mail addre	ess, set preferences, ar	nd delete your account	Account Settings		
	Billing					
	Undate your hilling i	nformation and view in	voices, Billing			

Once logged in, click on My Services to add a new service

🛞 Dyn	DNS					Logged in User vpritracke My Services - Sellings - Log Ov
	About	Services	Account	Support	News	
My Account	Account Le	vel Services				
My Services Account Upgrades MaiHop Outbound		Credited Account	5	No	Technical Su	and .
Recursive DNS Account Upgrades		Account Upgrades (	o	No	Ymm - Add	
SLA Premier Support	MailHop Outbound (7)		None	View - Add		
My Zones Add Zone Services		Recursive DNS (2)		None	View - Add	
My Hosts Add Host Services	DN	5 Service Level Agreer	nent (7)	None	Vinn + Add	
Account Settings		Premier Support Option	0	None Available	Add Presser	Buppert Cases
Search DynDNS	Zone Level	Services				Add Zone Service
(Search)	No zone level servi	ce items registered.				
	Host Level S	Services				Add Heat Service
	No host level servic	e items registered.				

🛞 Dyn	DNS					Logged In User: vpntrask Mx.Secrices - Settings - Log.Q
6	About	Services	Account	Support	News	
My Account	Add Host Se	rvices				
My Services						
Account Upgrades		Dynamic DNS (2	) (	Add Dynamic DN	IS Hogt	
MailHop Outbound Recursive DNS		Static DNS (?)	0	Add Static DIVS P	1921	
SLA		WebHop (7)		Add WebHop		
Premier Support My Zones		MyWebHop (?)		Add MyWebHop		
Add Zone Services		Network Monitoring	100	Add Network Mo	nitoring	
My Hosts Add Host Services Dynamic DNS Static DNS WebHop MyNetMop Network Montoring SSL Centificates		SSL Certificates (	20	Add SSL Certific		
Account Settings						
Billing						
Search DynDNS						

• Click on Add Host Services

• Click on Add Dynamic DNS Host

🛞 Dyn	DNS					Logged In User: vprtreat Mr.Secrices - Settings - Log.
& Dyin	About	Services	Account	Support	News	
My Account	New Dynami	c DNS <sup>sM</sup> Hos				
My Services	New Dynam	C DNS HOS	a			
Account Upgrades	Ho	stname:	yourname	. dyndns.org	Ð	3
MailHop Outbound Recursive DNS	IP /	ddress:	169.1.2.3			•
SLA	Enable	Wildcard:	0			
Premier Support My Zones	Mail Excha	nger (optional):	-	Backup MX?		
Add Zone Services My Hosts Add Host Services Dynamic DNS Static DNS WebHop MyWebHop Network Monitoring SSL Centificates						(Add Host) (Reset Form
Account Settings						
Billing						
Search DynDNS						
Search						

- Choose a unique name for your VPN Router
   (e.g. yourname) and write it down in your Checklist 4
- Select dyndns.org from the drop-down list beside the name
- Leave the field IP address as it is
- Click on the Add Host button to finish up

### 2.4 Your DynDNS settings are now complete!

You have now successfully created your DynDNS account. You'll later need to setup the DynDNS account for the VPN Router.

# **Step 3: NETGEAR Router Configuration**

This section explains the configuration of your NETGEAR Router in order to connect using your VPN Tracker software.

# 3.1 Check your equipment first

Find out what NETGEAR device you have.

- ▶ If you have the smaller, 4-Port NETGEAR FVS114 device, tick the FVS114 box in your Checklist 6, and continue to section 3.1.1
- If you have the larger, 8-Port NETGEAR FVS318 device, tick the FVS318v3 box in your Checklist (5), and jump to section 3.1.2

### 3.1.1 FVS114: Update your firmware version

You have to make sure that you are using the current firmware version 1.1\_01 or higher to be able to use your Router:



- Open your Internet browser
- ▶ Login to your router's web interface (<u>http://192.168.0.1</u>)
- Enter your Username (default: admin) and Password (default: password)
- In the Maintenance section, click on Router Status
- Write down the Firmware Version in your Checklist 🚯

#### If you're using a previous firmware version, please follow the the steps below to upgrade to the latest version:

- Write <u>http://kbserver.netgear.com/products/FVS114.asp</u> in your Internet browser and download the Firmware Version 1.1\_01 or higher
- Login to your router's web interface
- In the Maintenance section, click on the Router Upgrade
- Click on Browse and select the firmware file
- Click on the **Upload** button

#### 3.1.2 FVS318: Check your model's serial number and firmware version

NETGEAR has released three different models of the FVS318 device. This guide only supports the FVS318v3. Previous models, like the FVS318v2 or FVS318 are not supported in this configuration.

#### To be sure, if you have the right device:



• Check the serial number on the unit. If it starts with FVS9 or 14A, then you have the correct model.

Now we have to make sure that you are using firmware version 3.0\_22 or higher:



- Open your Internet browser
- ▶ Login to your router's web interface (<u>http://192.168.0.1</u>)
- Enter your Username (default: admin) and Password (default: password)
- In the Maintenance section, click on Router Status
- Write down the Firmware Version in your Checklist 6

If you're using a previous firmware version, please follow the the steps below to upgrade to a recent version:

- Open your Internet browser
- Go to http://kbserver.netgear.com/products/FVS318v3.asp and download the Firmware Version 3.0\_22 or higher
- Login to your router's web interface
- In the Maintenance section, click on Router Status
- Click on **Browse** and select the firmware file
- Click on Upload

# 3.2 Configure your Public IP Address

You will now configure your public IP address depending on the type of your Internet connection.

- If you checked the box Static IP Address in your Checklist, proceed to the next section 3.2.1 Static IP Address.
- If you checked the box Dynamic IP Address in your Checklist, jump to the section 3.2.2 Dynamic IP Address.

#### 3.2.1 Static IP Address

As we need to configure the public IP address of the NETGEAR Router later on in the VPN Tracker Setup Assistant, you need to write it down now. This step is the same for FVS318 or FVS114.

To find our the public IP address please follow the steps below:

000		NETGEAR Router	
8/ 1	TGEAR ProSafe VPN	Firewall FV5318v3	
Setup Wizard	Router Status		Router Status Help
Setup - Basic Settings	System Name Firmware Version	FV5318v3 v3.0_22	The Router Status page displays current settings and statistics for your router. As this information is read-only, a changes must be made on other pages.
Security Logs Block Sites	WAN Port MAC Address IP Address	00.0fb5;a3:f2;af 212,18.13.122	System Name: This is the Account Name that you entere in the Board Softings page. Firmware Version: This is the current software the router using. This will change if you upgrade your router.
= Rules = Services = Schedule	DHCP IP Subnet Mask Domain Name Server	255.255.255.192 212.18.13.1	WAN Port Information: These are the current settings for MAC address. IP address, DHCP role and Subnet Mask It you set in the Basic Settings page. DHCP can be either Client or None
- E-mail VPN - VPN Wizard - IKE Policies	LAN Port MAC Address IP Address DHCP IP Subnet Mask	00.01b5:x3.12.ae 192.168.0.1 ON 255.255.255.0	Canton for Information. These are the current settings for MAG address, IP address, DHCP rule and Subart Mash you suit the LAVM Setting page. DHCP and e sitter Server or Note. Citck Show Statistics to see muler performance statistics
VPN Policies     CAs     Certificates     CRL	(Show Statistics)	(Show WAN Status)	such as supplier of pockase where the number of packase received for each port. Clock WAN Status to view the current connection state of WAN port.
VPN Status Router Status Attacneu Devices Settings Backup Set Password Diagnostics Router Upgrade			

- Open your Internet browser
- Login to your router's web interface (<u>http://192.168.0.1</u>)
- Enter your Username (default: admin) and Password (default: password)
- In the Maintenance section, click on Router Status
- Write down the IP Address of your WAN Port in the Checklist 4
- Now proceed to section 3.3 Configure the NETGEAR VPN

### 3.2.2 Dynamic IP Address

If you ticked Dynamic IP Address in your Checklist, then we now need to configure the a DynDNS service on the NETGEAR device.

Please follow the steps below to setup DynDNS on your device:

etup Wizard	Dynamic DNS	Dynamic DNS Help
up asic Settings surity ygs lock Sites	Use a dynamic DNS service None DynONS org T20 com ngDDNS Click here for information ngDDNS Click here for nother information	A Dynamic (DKI: (DKK) is wrived allows a user whole public Pladters of aymenolity assigned to be located by a hotor domain name. It provides a central public distose where electration (such as earliest addresses, hotor names, and Pladtesses) can be instead and relieved. The Dynamic DKS server allows and a server. The Dynamic DKS server allows even based on e-mail addresses.
les rvices hedule nail	(Apply) (Cancel)	To use DDNS, you must register with a DDNS service provider, who will are you a paseword to help to register your IP address or other information as it changes. <b>Note:</b> The router supports only basic DDNS and the logi and password may not be server. If you have a private
N Wizard		WAN IP address (such as 10 x x x), do not use a DDNS service as it may lead to problems. To use a Dynamic DNS Service:
E Policies IN Policies Ls Intificates LL IN Status		<ol> <li>Systa have registered with a CDNE service provider, search CD mans from the Nas e aground DNB service options. Otherwrite sets: None.</li> <li>Entre the data for the searced DDNE service entry of the Service options. The Service 2. DDA Apply to serve your changes.</li> <li>This Rease will here not thy the DDNB service whenever it is thereas it in dataset changes to perform the profilescore.</li> </ol>
uter Status ached Devices		NOT be used. You should disable the "Update" o "Notification" teature.
ttings Backup t Password agnostics wter Upgrade		OytroNAS • Host and Domain Name - Enter The URL that other people should put to brothond to you that don't include "PTFP"]. This URL is associated by your Oynamic DNS service particles. • Diare Name - The user name you used when you • Paraward - The posterior associated with the URL NAME - Advance above
namic DNS		

- Open your Internet browser
- Open your NETGEAR web interface (<u>http://192.168.0.1</u>)
- Enter your Username (default: admin) and Password (default: password)
- In the Advanced section click on Dynamic DNS



- Select **DynDNS.org** as dynamic DNS service
- Enter the Host Name from your Checklist 4
- Enter your DynDNS Username from your Checklist 22
- Enter your DynDNS Password from your Checklist 🕄
- Click on the Apply button

#### Advanced Users only

We assume that you are using your NETGEAR device with factory settings. If you are an advanced user and you want to change the IP Address of the NETGEAR device and (or) change the IP range of your private network, choose LAN Setup in the Advanced Section of the NETGEAR web interface and make the desired changes.

# 3.3 Configure the NETGEAR VPN

Now we'll create the VPN settings on your NETGEAR Router. After this step your NETGEAR device will allow secure connections from the outside world.

#### 3.3.1 Using the VPN Wizard of your NETGEAR device

This section explains how you will setup your VPN connection on you NETGEAR device:



- Open your Internet browser
- Open your NETGEAR web interface (http://192.168.0.1)
- Enter your Username (default: admin) and Password (default: password)
- In the left menu section, click on VPN Wizard
- Click on the Next button to proceed

#### 3.3.2 Enter your Connection Name, Type and Password

You need now to setup a connection name and a so called **pre-shared key**. In the language of VPN, the term **pre-shared key** means **password**.

To setup the connection please follow the steps below:



- Enter a Connection Name for the connection(e.g. myconnection). Write your connection name down in your Checklist ?
   You can use any name you wish, avoid using spaces and special characters.
- Enter your desired **Pre-shared key** for the connection (e.g. **mykey**). Write it down in your Checklist (3)
- Select A remote VPN client
- Click on the Next button

### 3.3.3 Find out the local IP settings



#### Advanced Users only

FVS318v3 only - If you want to allow multiple users to access your devices.

If you want to connect multiple users to your NETGEAR FVS318v3 VPN Router, you just need to repeat the VPN Wizard steps, creating for every new user, a different *Connection Name* and *Password* (pre-shared key).

### Your VPN Router is now set up for your VPN connection!

The NETGEAR Router is now correctly configured and we can go on with the VPN Tracker software configuration.

# **Step 4: VPN Tracker Configuration**

This section describes the configuration of VPN Tracker based on the VPN Tracker Setup Assistant.

# 4.1 Install, start VPN Tracker and run the VPN Tracker Setup Assistant

Before using the VPN Tracker Setup Assistant, you'll first need to install the latest version of VPN Tracker:



- Open the VPN Tracker disk image on your Desktop
- Drag the VPN Tracker 4 icon into the Applications folder (2) in the screenshot)
- Navigate to your Applications folder in Finder
- Double click on the VPN Tracker icon in your Applications folder



• Double click the **Setup Assistant** in the disk image (③ in the screenshot)

#### 4.1.1 Introduction

Introduction
Welcome to VPN Tracker Setup Assistant for NETGEAR® ProSafe™ FVS114 / FVS318v3.         This Assistant will set up VPN Tracker to connect securely to your home or small business network.         For more information on how to use this Assistant, please read the equinux VPN Quick Setup Guide.         Click Continue to begin.
Go Back Con

 The VPN Tracker Setup Assistant will open up. Click on the Continue button

#### 4.1.2 NETGEAR Device

Netgear Device
Please select your NETGEAR® VPN Router.
● NETGEAR® ProSafe™ FVS114
○ NETGEAR® ProSafe™ FVS318v3
Click Continue to proceed.
Go Back Continu

- Select your NETGEAR VPN Router depending on your Checklist 5
- Click on the **Continue** button

#### **4.1.3 Connection Settings**

	Connection Settings			
	Please enter the following set device configuration.	ttings and make s	sure they match your c	urrent NETGEAR
<i>444</i> 4	Connection Name:	myconnection		0
	Pre-Shared Key:	mykey		8
119//	Public IP Address:	169.1.2.3		4
	Remote Network/Mask:	192.168.0.0	255.255.255.0	9
	Click Continue to proceed.			
			Go Back	Continue

- Enter the Connection Name from the Checklist 🕖
- Enter the **Pre-shared Key** from the Checklist 🚯
- Enter the Public IP Address from the Checklist 4
- Enter the Remote Network / Mask from the Checklist (9)
- Click on the **Continue** button

#### 4.1.3 Summary



- Verify that the settings you've entered match with those on the Checklist
- Click the **Save** button to finish the setup

A new connection will now be added to VPN Tracker

# Step 5: Check the VPN connection

This section explains how to start and test your VPN connection.

# 5.1 It's time to go out!

You will not be able to test and use your VPN connection within your Private Network. In order to test your connection to your Private Network, you'll need to connect from a different location. That's why it's now time to go out. Take your MacBook Pro and have a coffee at your favorite Internet cafe or go visit a friend.

# 5.2 Test your connection

To test if everything is setup correctly please follow the steps below:

- Get access to the network from an Internet café, a friend's house or some place else where you can find an Internet connection
- Make sure the Internet connection is working; open your Internet browser and try to connect to <u>http://www.equinux.com</u>
- Start VPN Tracker if it's not already running

	VPN 1	Fracker 🔘
New	Edit Duplicate Delete Export	Activity Log
	Connection	Status
	myconnection	
-		
	VPN service	is not running
		Stop VPN Start VPN
🗹 Sma	irt VPN	Stop VIN Start VIN



Click on the Start VPN button



- If the light turns red after a few seconds, then please read the Troubleshooting section on the next page
- If you get a Green light, that means you've successfully established a connection

# Congratulations! You did it!
# Troubleshooting

#### I don't get a green light in the VPN Tracker main window

- Make sure that your computer is not connected to the Private Network you want to connect to.
- Make sure, that the **Connection Name 1** and the **Pre-shared key 3** you've entered in the NETGEAR VPN wizard match the settings you entered in the VPN Tracker Setup Assistant.
- Verify that the **Public IP address** (4) you entered in the VPN Tracker Setup Assistant matches the public IP address of your NETGEAR Router and the setting in your Checklist.
- If all those settings are correct, then please contact our support team at <u>vpntracker@equinux.com</u>

## What's next?

This section explains the usage of your newly configured VPN connection.

### Introduction

As the VPN connection has now been established, you should be able to access all resources in your Private Network.

### **Known Limitations**

Except the limitations below, you should be able to access all resources as if you were actually in your Private Network.

- Bonjour: As Bonjour Chat is not supported over a VPN tunnel, you'll need to use iChat server in order to chat remotely.
- Browsing the network: You can't "browse" the remote network as you're normally used to. You need to connect to the machine manually, as described on the next page.

### **Accessing Files**

To access files in the remote network, just follow the steps below:



- Go to the **Finder** application
- In the menu bar, click on Go->Connect To Server...

00	Connect to Server
Server Address:	
192.168.0.2	+ 0,
Favorite Servers:	
Remove	Browse
( manuare )	Sionse Connect

- Enter the IP address of the machine you want to connect to. In our example network this would be the IP address 192.168.0.2
- Click on the **Connect** button
- Enter your Username and Password to access the files

### Access your FileMaker Database

To access files in your Private Network, just follow the steps below:



- Start the FileMaker application
- In the menu bar, click on File->Open Remote

Open Remote File				
View: Favorite Hosts				
Hosts	Available Files			
Add Edit Remove Network File Path: 1 Example - fmnet:/hos	IPAddress/fileName			
		Cancel Open		

• Click on the Add... button

Host's Internet Address:	192.168.0.2
	(Example - host.domain.com or 192.168.10.0)
Favorite Host's Name:	FM Server at home
	(optional)
ile Settings	
Show all available file	s for this host
Show only these files	
O show only these mes	
0	
0	) ◀   ►

- Enter the IP address of the the FileMaker Server machine
- Enter the Favorite Host's Name for this machine
- Click on the **Save** button

Open Remote File				
View: Favorite Hosts	•	I		
Hosts	Available Files	ł		
	Remove 2.168.0.2/			
Example – fr	nnet:/hostIPAddress/fileName Cancel Open	4		

- Select a database from the list of Available Files and click Open
- You're now able to access your FileMaker databases as usual

### Access your IP cam

With equinux software On Air, you can access all cameras in your Private Network.

Download the On Air FREE demo at <a href="http://www.equinux.com/onair/download/">http://www.equinux.com/onair/download/</a>

To access your IP cam, just follow the steps below:



- Start the On Air application
- Click on + next to Local Cameras





- Enter the IP Address of the Linksys IP cam (e.g. 192.168.0.3)
- Select the Model: Linksys WVC54G
- Click on the Find button
- The camera will be added to the Local Cameras list and you can now drop it on to you video wall

# **Acquire more Licenses**

If two or more people need to access your Private Network, then you need to acquire more VPN Tracker licenses.

To get more licenses please contact your reseller and inquire about "VPN Tracker Personal Edition".

Or point your browser to <u>http://store.equinux.com</u> and buy additional VPN Tracker Personal Edition Licenses.

## Your VPN Checklist

In certain sections of the manual, you'll be asked to fill out this Checklist. It will also be used as a reference for filling out other sections. The red numbers will be your guide (1), (2), ...

0	My ISP provides me with a	Static IP address	Dynamic IP address
2	DynDNS Username:		
3	DynDNS Password:		
4	Public IP Address:	Dynamic:	dyndns.org <b>OR</b> Static:
6	Model Version:	FVS114	FVS318 <b>v3</b>
6	Firmware:		
0	Connection Name:		
8	Pre-shared key:		
9	Remote Network/Mask:		/ 255 . 255