The logo consists of a solid blue square. Inside the square, the words "Lobotomo" and "Software" are stacked vertically in a white, sans-serif font.

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# IPSecuritas 3.x

## Configuration Instructions

for

## Netgear FVS124G

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## Acknowledgments

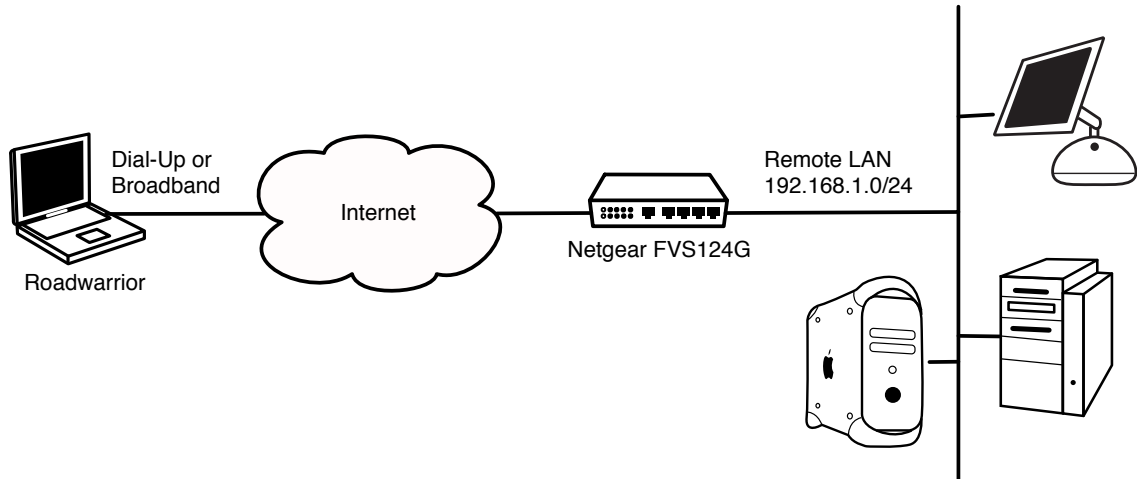
Many thanks to Ulf Schröder for providing setup information, screenshots and support for writing this document.

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## Introduction

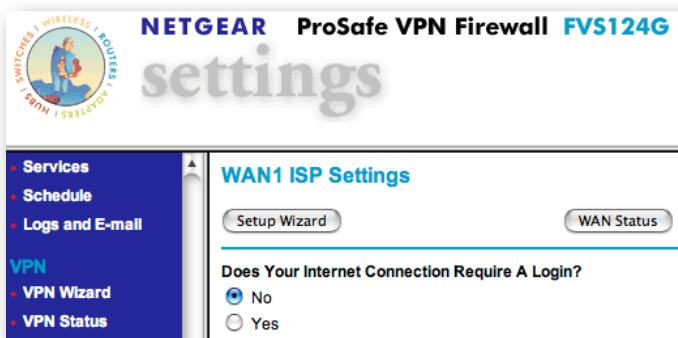
This document describes the steps necessary to establish a protected VPN connection between a Mac client and a Netgear FVS124G router/firewall. All information in this document is based on the following assumed network.



## Netgear FVS124G Wizard Setup

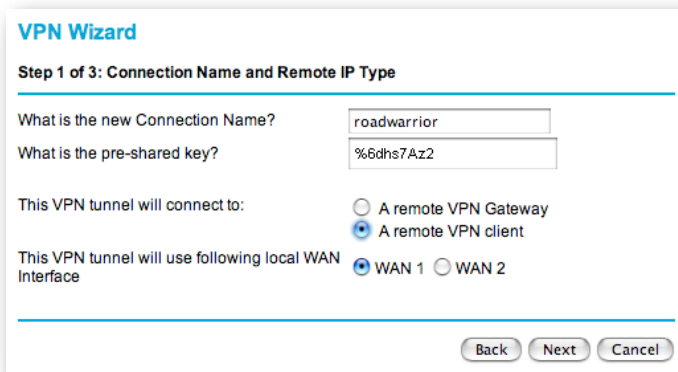
This section describes the necessary steps to setup the FVS124G to accept incoming connections.

### Start VPN Wizard



Open a web browser and connect to your Netgear router. Enter the administrator's user name (usually admin) and password. On the left side, select **VPN Wizard**. Click on the **Next** button.

### Enter Name and Preshared Key

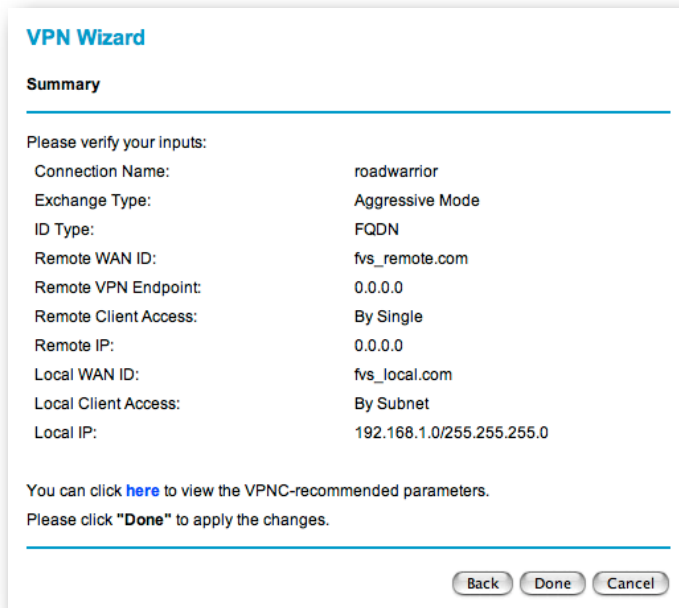


Enter a name (any arbitrary name) and the preshared key. The preshared key is used to encrypt the messages in the connection negotiations. Please choose a safe key (don't use the example on the left).

Set the connection endpoint to **A remote VPN client**.

Click on **Next**.

## Finish the Wizard



**VPN Wizard**

**Summary**

---

Please verify your inputs:

Connection Name:	roadwarrior
Exchange Type:	Aggressive Mode
ID Type:	FQDN
Remote WAN ID:	fvs_remote.com
Remote VPN Endpoint:	0.0.0.0
Remote Client Access:	By Single
Remote IP:	0.0.0.0
Local WAN ID:	fvs_local.com
Local Client Access:	By Subnet
Local IP:	192.168.1.0/255.255.255.0

You can click [here](#) to view the VPNC-recommended parameters.  
Please click "**Done**" to apply the changes.


Check if all of your information is correct. The Local IP should correspond to your local LAN address.

Click on **Done** if all settings are correct.

## IPSecuritas Setup

This section describes the necessary steps to setup IPSecuritas to connect to the FVS124G router.

### Start Wizard

Unless it is already running, you should start IPSecuritas now. Change to **Connections** menu and select **Edit Connections** (or press **⌘-E**). Start the Wizard by clicking on the following symbol: 

### Enter Name of New Connection



**Connection Wizard**

Welcome to the connection setup wizard, which will help you to configure the most common setups.

Please enter the name of this connection into the field below:

Name:

Enter a name for the connection (any arbitrary name).

Click on the right arrow to continue with the next step.

## Select Router Model



The screenshot shows a dialog box titled "Firewall Model". It contains a wizard icon on the left. The text reads: "Please choose the firewall manufacturer and the specific device from the lists below:". There are two dropdown menus: "Manufacturer:" with "Netgear" selected, and "Model:" with "FVS124G" selected. At the bottom, there is a "Cancel" button and two navigation arrows (left and right).

Select **Netgear** from the manufacturer list and **FVS124G** from the model list.

Click on the right arrow to continue with the next step.

## Enter Router's Public IP Address

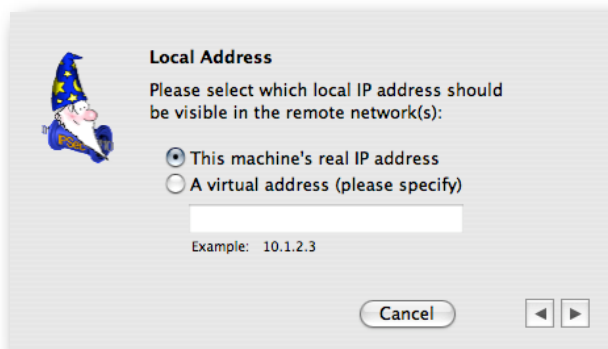


The screenshot shows a dialog box titled "Firewall Public IP Address or Hostname". It contains a wizard icon on the left. The text reads: "Please enter the public IP address or the hostname of the into the text field:". There is a text input field containing "firewall.mycompany.com". Below the field, it says "Examples: firewall.mycompany.com or 123.321.1.1". At the bottom, there is a "Cancel" button and two navigation arrows (left and right).

Enter the public IP address or hostname of your Netgear FVS124G router. In case your ISP assigned you a dynamic IP address, you should register with a dynamic IP DNS service (like <http://www.dyndns.org>).

Click on the right arrow to continue with the next step.

## Enter a Virtual IP Address



The screenshot shows a dialog box titled "Local Address". It contains a wizard icon on the left. The text reads: "Please select which local IP address should be visible in the remote network(s):". There are two radio buttons: "This machine's real IP address" (selected) and "A virtual address (please specify)". Below the radio buttons is a text input field with "Example: 10.1.2.3". At the bottom, there is a "Cancel" button and two navigation arrows (left and right).

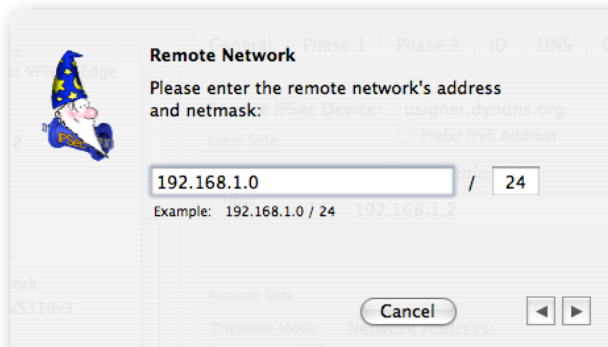
Enter a virtual local IP address. This address appears as the source address of any packet going through the tunnel. If no address is specified, the real local IP address is used instead.

In order to prevent address collisions between the local network and the remote network, it is recommended to use an address from one the ranges reserved for private network (see **RFC 1918**).

next step.

Click on the right arrow to continue with the

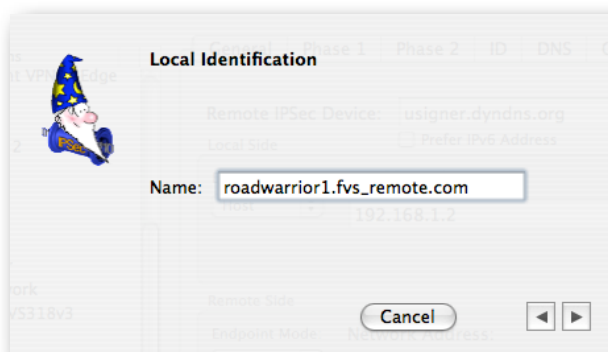
### Enter Remote Network



Enter the remote network address and netmask (please note that the netmask needs to be entered in **CIDR** format). This has to match with the settings of the FVS124G.

Click on the right arrow to continue with the next step.

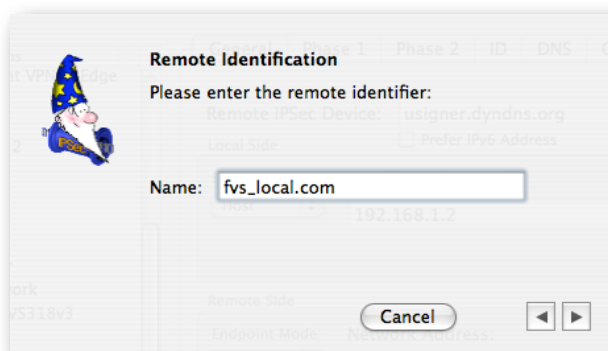
### Enter Local Identification



Enter the local identification (which is **roadwarrior1.fvs\_remote.com** by default if you used the FVS124G VPN wizard with the connection name **roadwarrior** as described above. Please also see the wizard summary of the 124G).

Click on the right arrow to continue with the next step.

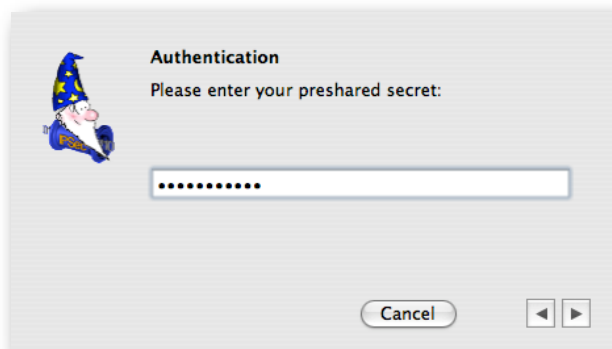
### Enter Remote Identification



Enter the remote identification (which is **fvs\_local.com** by default if you used the FVS124G VPN wizard with the connection name **Roadwarrior** as described above. . Please also see the wizard summary of the 124G).

Click on the right arrow to continue with the next step.

## Enter Preshared Key



Enter the same **Preshared Key** that you used for the FVS124G.

Click on the right arrow to finish the connection setup.

## Diagnosis

### Reachability Test

To test reachability of the remote host, open an **Terminal Window** (Utilities -> Terminal) and enter the command **ping**, followed by the FVS124G **local IP address**. If the tunnel works correctly, a similar output is displayed:

```
[MacBook:~] root# ping 192.168.1.1
PING 192.168.215.1 (192.168.1.1): 56 data bytes
64 bytes from 192.168.1.1: icmp_seq=0 ttl=64 time=13.186 ms
64 bytes from 192.168.1.1: icmp_seq=1 ttl=64 time=19.290 ms
64 bytes from 192.168.1.1: icmp_seq=2 ttl=64 time=12.823 ms
```