

### VPN Configuration of ProSafe Client and Netgear ProSafe Router:

This document will guide you on how to create IKE and auto-VPN policies for your ProSafe Netgear Router, as well as how to configure the VPN Pro-Safe VPN client in order to allow a Virtual Private Network to be established over the internet.



Business Network Network address: 192.168.1.0

**NOTE:** This document assumes that your router is either receiving a public IP address on the WAN interface or that the gateway device(s) have the correct port forwarding or DMZ configured so that port 500 UDP is open for the router, these gateway devices must also allow VPN pass-through.

## **Router Settings:**

As we configure the Netgear VPN Router, there will be information we'll add which will later be used in the configuration of the ProSafe Client Software. This information will be marked with red numbered circles. You can print this form to help keep track of this information.

0	Pre-Shared Key:
2	Remote Identifier Information:
3	Local Identifier Information:
4	Router's LAN Network IP Address:
6	Router's LAN Network IP Mask:
6	Router's WAN IP Address:

#### Creation of the VPN Policy on the ProSafe Router:

NETGEA	AR'				NETGEAR	ProSafe VPN I	Firewal	l FVX538
Network Configurati	ion Securit	V VPN	Administration	1	Monitoring	Web Suppo	ort	Logout
Policies	VPN Wizard	Certificat	es II Mode Config		VPN Client	Connection Sta	tus ::	
PN Wizard								
						VPIN WIZ	ard Det	ault Values
						VPN WIZ	ard Det	ault Value:
About ¥PN Wizard						O VPN WIZ	ard Det	ault Value
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About YPN Wizard The Wizard sets most p. key, which greatly simp parameters through the	arameters to defi lifies setup. After <u>Policies</u> menu. <b>This ¥P</b>	aults as prop creating the N <b>tunnel w</b>	posed by the VPN C e policies through t ill connect to the atemax	Consor he VPI	tium ( <u>VPNC</u> N Wizard, yo wing peers	), and assumes u can always upo	ard Def. a pre-sl late the	lault Value Phe

• From the Router's GUI, go to the VPN section and then select the VPN wizard.

• There, select the option for VPN Client.

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Now you will have the following fields available:

NETGEAR PROSAFE	NETGEAR ProSafe VPN Firewall FVX53
Network Configuration   Security   VPN   Ad	Iministration   Monitoring   Web Support   Logout
:: Policies :: VPN Wizard :: Certificates ::	Mode Config :: VPN Client :: Connection Status ::
VPN Wizard	VPN Wizard Default Value
🏾 About VPN Wizard	(2) help
The Wizard sets most parameters to defaults as proposed key, which greatly simplifies setup. After creating the polic parameters through the <u>Policies</u> menu.	by the VPN Consortium ( <u>VPNC</u> ), and assumes a pre-shared ies through the VPN Wizard, you can always update the
This VPN tunnel will co	nnect to the following peers: ay
Connection Name and Remote IP Type	() help
What is the new Connection Nam	mei
What is the pre-shared k	ey? (Key Length 8 - 49 Char)
This VPN tunnel will use following local WAN Interfa	ace: 💿 WAN 1 🔿 WAN 2
# End Point Information	@help
What is the Remote Identifier Informat	ion? fvx_remote.com
What is the Local Identifier Information	ion? [fvx_local.com 3
Secure Connection Remote Accessibility	Phelp
What is the remote LAN IP Addre	955?
What is the remote LAN Subnet Ma	isk?
Apply	Reset

- **Connection Name:** The name can be any alphanumeric string. It identifies your tunnel, but it bears no relevance to the connection.
- Pre-Shared Key: The name can be any alphanumeric string from 8 to 49 characters long.

2 Remote Identifier Information: The name can be any alphanumeric string. It is a name that identifies the remote peer in the VPN Connection (Client). You can leave the default or create your own identifier.

- **3** Local Identifier Information: The name can be any alphanumeric string. It is a name that identifies the local peer in the VPN Connection (Router). You can leave the default or create your own identifier.
- WAN Interface: If your router has more than one WAN Interface, you'll be prompted to select which interface to use for the VPN Tunnel.

Once you apply, you will see the policy we created in the list of VPN Policies. Make note of the following:

			Operation succeeded.					
₩ List o	f ¥PN Po	licies					2 help	Bouter's LAN Network IP
1	Name	Туре	Local	Remote	Auth	Encr	Action	Address: The firsts cogment in the
* Client Po	VPN* Auto Policy Policy @ select at @ delete @ enable @	192.168.1.0/235.255.0	Any add	SHA-1 3DE	3DES <b>@</b> edit	"Local" box. In our screenshot described as 192.168.1.0 – but may change depending on the setup of your router.		
								<b>6</b> Router's LAN Network IP Mask: The second segment in the "Local" box. In our screenshot described as 255.255.255.0 – but may change depending on the setup of your router.

**NOTE:** The values you used for the fields marked with red circles will be referenced them with the same circled numbers while configuring the ProSafe VPN Client software.

#### Creation of the VPN Policy on the ProSafe Client:

Before you start configuring the VPN Client, go through the following checklist and make sure you have all this information.

Security Policy Editor
Certificate Manager
Deactivate Security Policy
Reload Security Policy
Disconnect
Connect •
Log Viewer
Connection Monitor
Help
About NETGEAR ProSafe VPN Client
Remove Icon

• After installing the VPN Client Software, right click in the tray icon for the VPN Client and select the option **Security Policy Editor.** 

N Security Policy Editor - NETGEAR ProSafe VPN Client	
File Edit Options Help	
	NETGEAR
Network Security Policy	
Add > Connection	

• Right click on "**My Connections**" and add a new connection. The name does not have to be the same one you used in your VPN Router, but it is advised you use the same to facilitate identification of relating policies. In this example the name will be "VPN".

N Security Policy Editor - NETGEAR Pr	oSafe VPN Client 📃 🗖 🔀
File Edit Options Help	
Network Security Policy	NETGEAR 🔂
Image: We connections       Image: We connections	Connection Security C Secure C Non-secure C Block
	Remote Party Identity and Addressing ID Type IP Subnet Subnet Mask: Protocol All Port All Y Use Secure Gateway Turnel Y ID Type Domain Name Y Gateway Hostname Y

- Click on the name of your new created policy and change the ID Type field to **IP Subnet**
- 5 The Subnet field will be the value of your Router's LAN Network IP Address.
- **(**) The value of the Mask field will be the value of your **Router's LAN Network IP Mask**.

N Security Policy Editor - NETGEAR ProS	afe VPN Client
File Edit Options Help	
Network Security Policy	N E T G E A R 😽
W Connections     W PN     Dther Connections	Connection Security C Secure C Non-secure C Block
	Remote Party Identity and Addressing ID Type IP Subnet Subnet 192.168.1.0 Mask: 255.255.255.0
	Use Secure Gateway Tunnel

- Next, tick the checkbox next to Use: Secure Gateway Tunnel.
- S The ID Type field will be the value of your Local Identifier Information.
- 6 The value of the Gateway IP Address will be the value of your Router's WAN IP Address.

N Security Policy Editor - NETGEAR ProSe	afe VPN Client
File Edit Options Help	
Network Security Policy  My Connections  My Connections  My Connections  Security Policy  Differ Connections	My Identity Select Certificate Select automatically during IKE negotiation
	Uistinguished Name     All       Secure Interface Configuration       Virtual Adapter   Disabled
	Internet Interface Name Any

 Click on the plus sign next to your policy name and then on My Identity.

N Security Policy Editor - NETGEAR ProSaf	e VPN Client
Image: Control of Project       Network Security Policy       Image: Project Policy       Image: Project Policy       Image: Policy <th>My Identity       Pre-Shared Key         Select Certificate       Pre-Shared Key         ID Type       Port         ID Type       Port         IP Address       All         Arry       Secure Interface Configuration         Virtual Adapter       Disabled         Internet Interface       Internet Interface         Name       Ary         IP Addr       Any</th>	My Identity       Pre-Shared Key         Select Certificate       Pre-Shared Key         ID Type       Port         ID Type       Port         IP Address       All         Arry       Secure Interface Configuration         Virtual Adapter       Disabled         Internet Interface       Internet Interface         Name       Ary         IP Addr       Any

- Change the Select Certificate field from "Automatically during IKE Negotiation" to "None", and click on the Pre-Shared Key button that will appear on the top right.
- On the box that will pop up, click on the **Enter Key** button.

Pre-Shared Key		×
Enter Key	Enter Pre-Shared Key (at least 8 characters) This key is used during Authentication Phase if the Authentication Method Proposal is "Pre-Shared key".	
	DK. Cancel	

 Input the Pre-Shared Key that you have used when creating the VPN Policy on the Router and click on the OK Button.



- Next, change the ID Type to **Domain** name.
- In the field that will open, add the value of your Remote Identifier Information.

N Security Policy Editor - NETGEAR Pros File Edit Options Help	Safe VPN Client
Network Security Policy My Connections WPN Wuldenby Differ Connections Other Connections	Security Policy Select Phase 1 Negotiation Mode Aggressive Mode Use Manual Keys Enable Perfect Forward Secrecy (PFS) PFS Key Group Diffie-Hellman Group 2 Fable Replay Detection

- In the left box, click now on **Security Policy**.
- Select Aggressive Mode and tick the Enable Perfect Forward Secrecy (PFS) checkbox.
- Leave the PFS Key Group as **Diffie-Hellman Group 2.**



• For last, click on the Save button at the top left of the Security Policy Editor:

# **Connecting:**

To connect, right click on the tray icon of the Netgear VPN client with your mouse, select connect and select the connection you just created. If your settings are correct you'll receive a message confirming the connection.



N Manual Connection Status	
Successfully connected to My Connections\VPN	
OK	