

VPN Configuration of ProSafe Client and Netgear DG Router

Prerequisites:

Software: VPNGL02 or VPNGL05 (Version 5.04) **Hardware:** Netgear DSL router with VPN support, PC with Windows XP, Vista or 7.

Introduction:

This document will guide you on how to create a VPN policy for any of the home DSL gateways that support VPN, 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.



Home Network Network address: 192.168.0.0

Checklist:

As we configure the Netgear DSL VPN Gateway, 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. The values we will use for this guide are already filled as light grey. You can print this form to help keep track of this information.

0	Pre-Shared Key:	12345678	
2	Client Identifier:	client.com	
3	Router Identifier:	router.com	
4	Client's IP Address:	192.168.100.1	
6	Router's Network Address:	192.168.0.0	
6	Router's Network Mask:	255.255.255.0	
1	Router's WAN IP Address:	86.41.176.179	

Configuration of the VPN Policy on the DSL Gateway:

VPN Policies				
		• From the Router's GUI, go to		
Policy Table		VPN policies under Advanced –		
# Enable Name	Type Local Remote ESP	VPN.		
(Edit Delete	- Click on Add Auto Doliny		
[Apply Cancel	• Click off Add Auto Policy.		
Add Auto Pol	Add Manual Policy			
		The pre-shared key value		
VPN - Auto Policy		goes here.		
General		This is your Pre-Shared Key.		
Policy Name	VPN			
Remote VPN Endpoint	Address Type: Dynamic IP address 👻	A Hore we coloct "Fully		
	Address Data: n/a			
KE Keep Alive	Ping IP Address:	Qualified Domain Name" and		
		we give the client a name		
Local LAN IP Address				
	Single/Start address	This is your Client Identifier.		
	Subset Mark 255 255 255 0	A Horo we coloct "Fully		
	255 255 255 U			
Remote LAN		Qualified Domain Name" and		
IP Address	Single address	we give the router a name		
	Single/Start IP address: 192 . 168 . 100 . 1	This is your Deuten Identifier		
	Finish IP address:	I his is your Router identifier.		
IKE		4 Here we select "Single		
Direction	Responder only 👻			
Exchange Mode	Main Mode 🔻	Address" and we specify the		
Diffie-Hellman (DH) Group	Auto 👻	IP.		
Local Identity Type	Fully Qualified Domain Name 🔻 😗			
Data	router.com			
Remote Identity Type Data	Fully Qualified Domain Name 2	This is your Client's IP		
		Address.		
Parameters				
Encryption Algorithm	3DES 🔻			
Autnentication Algorithm				
Fre-snared rvey SA Life Time	12345678	5 - 6 Here we select "Subnet		
	3600 (Seconds)	Address" and add the address		
Enable PFS (Perfect Forward Security)	and Annel	and mask of our router.		
E				
		This is your Router's Network Address and		

- Router's Network Mask.
- To accept this settings, click on "Apply"

Configuration of the VPN Policy on the ProSafe Client:

Before you start configuring the VPN Client, go through the **Checklist** at the start and make sure you have all the information listed there.



• After installing the VPN Client Software, click on the plus sign to open the configuration panel.

Netgear ProSa	fe VPN Client Profes	sional		- • • ×
Configuration Tools ?				
NETGEAR' NETGEAR PROSAFE VPN Client Professional				
		Built for Busin	055	
Save Apply VPN Configuration				
VPN Configuration VPN Configuration				
Global Pa	Export			
	Move to USB			
	Save	Ctrl+S	figuration by VpnConf 5.04	
	Wizard		ification: 07-01-2011	
	Reload Test Config.			
	Reset	Del		
	New Phase 1	Ctrl+N]	
• VPN Client rea	dy			

• Right click on "VPN Configuration" and add a new Phase 1. It will be added with the name Gateway.

Netgear ProSafe VPN Client Prof	essional		
Configuration Tools ?			
NETGEAR PROSAFE	NET	GEAR PROSAFE VPN Client Professional	
	Built for Business		
Save Apply	Gateway: Authentication	on	
VPN Configuration Global Parameters	Authentication Advanced Certificate		
Gateway	Addresses		
	Interface	Any	
	Remote Gateway	86.41.176.179	
	Authentication		
	Preshared Key	()	
	Confirm	•••••	
	Certificate		
	IKE		
	Encryption	3DES 👻	
	Authentication	SHA-1	
	Key Group	DH2 (1024)	
VPN Client ready			

- Click on gateway.
- The Remote Gateway field will be the value of your Router's WAN IP Address.
- Input the Pre-Shared Key that you have used when creating the VPN Policy on the Router and click on the OK Button.

🔃 Netgear ProSafe VPN Client Prof	essional 📃 🗖 📈	3
Configuration Tools ?		
	NETGEAR PROSAFE VPN Client Professio	nal
	Built for Business	
Save Apply	Gateway: Authentication	
VPN Configuration	Authentication Advanced Certificate	_
Gateway	Advanced features	
	Mode Config Redun. GW	
	Aggressive Mode NAT-T Automatic	
	X-Auth	
	X-Auth Popup Login	
	Hybrid Mode Password	
	Local and Remote ID	
	Type of ID: Value for the ID:	н
	Local ID DNS	
	Remote ID DNS v router.com	
		-
VPN Client ready		

- Next, tick the checkbox next to Use: Secure Gateway Tunnel.
- 2 The Local ID Type is DNS, and the Value for the ID is your Client Identifier.
- S The ID Type field will be the value of your **Router Identifier.**

Netgear ProSafe VPN Client Pro	fessional	n
Configuration Tools ?		
NETGEAR	NETGEAR PROSAFE VPN Client Professional	
	Built for Business	
Save Apply	Gateway: Authentication	
VPN Configuration	Authentication Advanced Certificate	
Global Parameters	d features	Right click on the Phase 1 and
Export	to Config	click on New Phase 2. It will be
Сору	Ctrl+C recoming Reduin. Giv	added with the name "Tunnel"
Delete	T2 pressive Mode NAT-T Automatic T	
New Phase 2		
New Phase 2	Ctri+N	
	Hybrid Mode Password	
	Local and Remote ID	
	local ID DNS	
		Click off Further.
VPN Client ready		
N Netgear ProSafe VPN Client Pro Configuration Tools ? NETGEAR (PROSAFE)	fessional	
	Built for Business	A Hore we enter the Client's ID
Save Apply	Tunnel: IPSec	4 Here we enter the Client's IP
VPN Configuration	IPSec Advanced Scripts	Address.
Global Parameters	Addresses	
• Tunnel	VPN Client address 192 . 168 . 100 . 1	Here we add the Router's Network Address.
	Address type Subnet address 👻	
	Remote LAN address 192 . 168 . 0 . 0	A Here we add the Router's
	Subnet mask 255 , 255 , 255 , 0	Network Mook
	ECD	NELWOIK MASK.
	Encryption 3DES V	 Make sure PFS is enabled with
	Authentication SHA-1	DH2 (1020) Group.
	Mode Tunnel	
	PFS	After you are done, click on
		Save.
VPN Client ready		

With this, the configuration is completed. Now we can try our VPN configuration and connect to our router.

Connecting:

To connect the VPN Tunnel we configured, do the following:



? + x

Gateway-Tunnel

Tunnel Tunnel opened.

000000000

🗊 .al 🕩

🕑 📕 Gateway-Tunnel

13:32

01/07/2011

? + x

0

• Go to Tools and click on Connection Panel.

- Double click on the tunnel we created.
- The tray notice box should tell us we are connected.
- The Connection Panel should show a green button indicating we are connected.

Now we should be able to access the resources at the DSL Gateway's network from our Client PC.