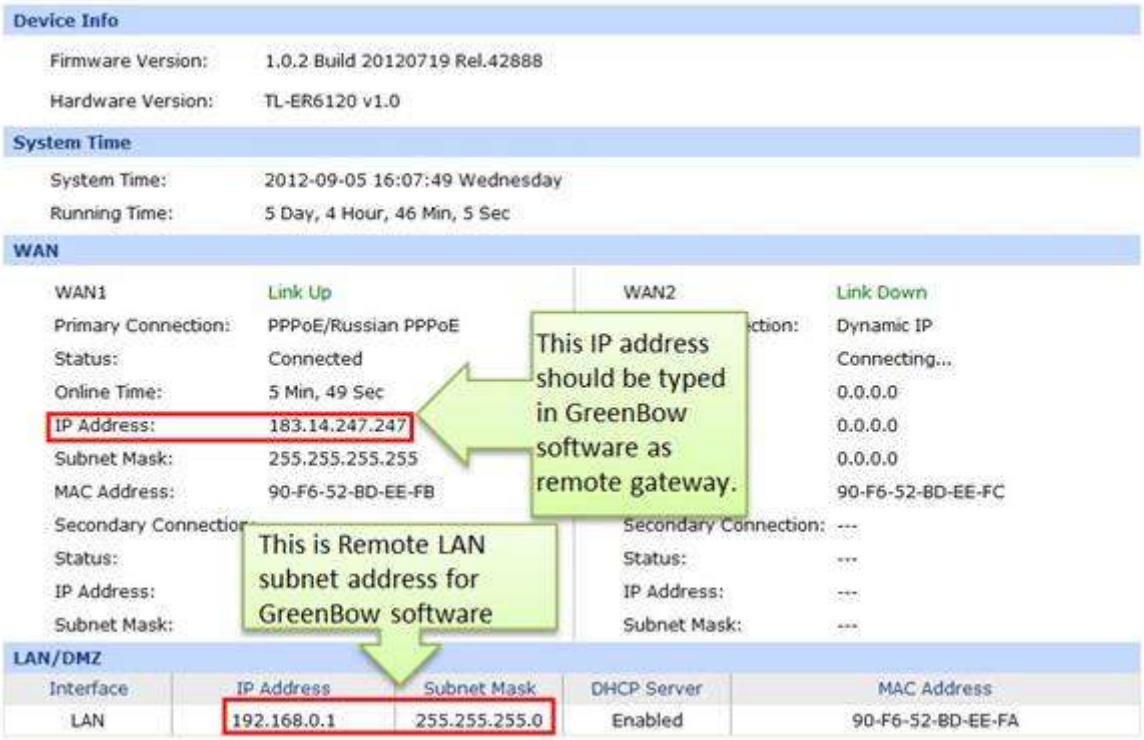
How to configure GreenBow IPsec VPN Client with a TP-Link VPN Router

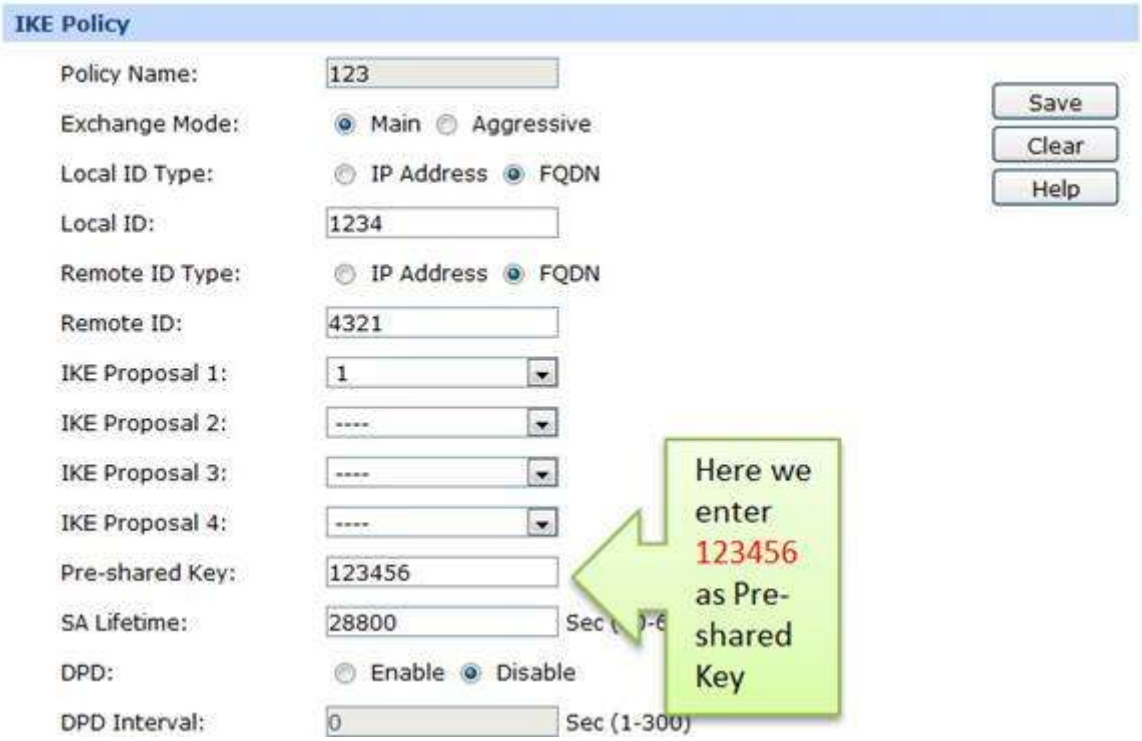
Configuring the TP-Link VPN Router

Step 1:
Access the router's management web page, verify the settings needed on the router.



Step 2:
On the management webpage, click on **VPN** then **IKE Proposal**. Under IKE Proposal, enter Proposal Name whatever you like, select Authentication, Encryption and DH Group, we use **MD5**, **3DES**, **DH2** in this example.

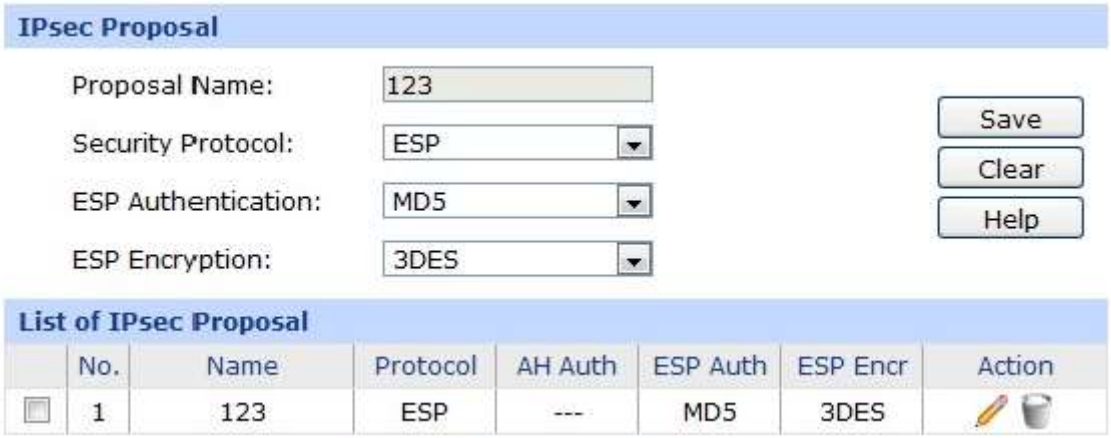
Step 3:
Click on **IKE Policy**, enter Policy Name whatever you like, select Exchange Mode, in this example we use **Main**, select **FQDN** as ID Type and enter Local ID and Remote ID whatever you like, here we enter **"1234"** for Local ID and **"4321"** for Remote ID.



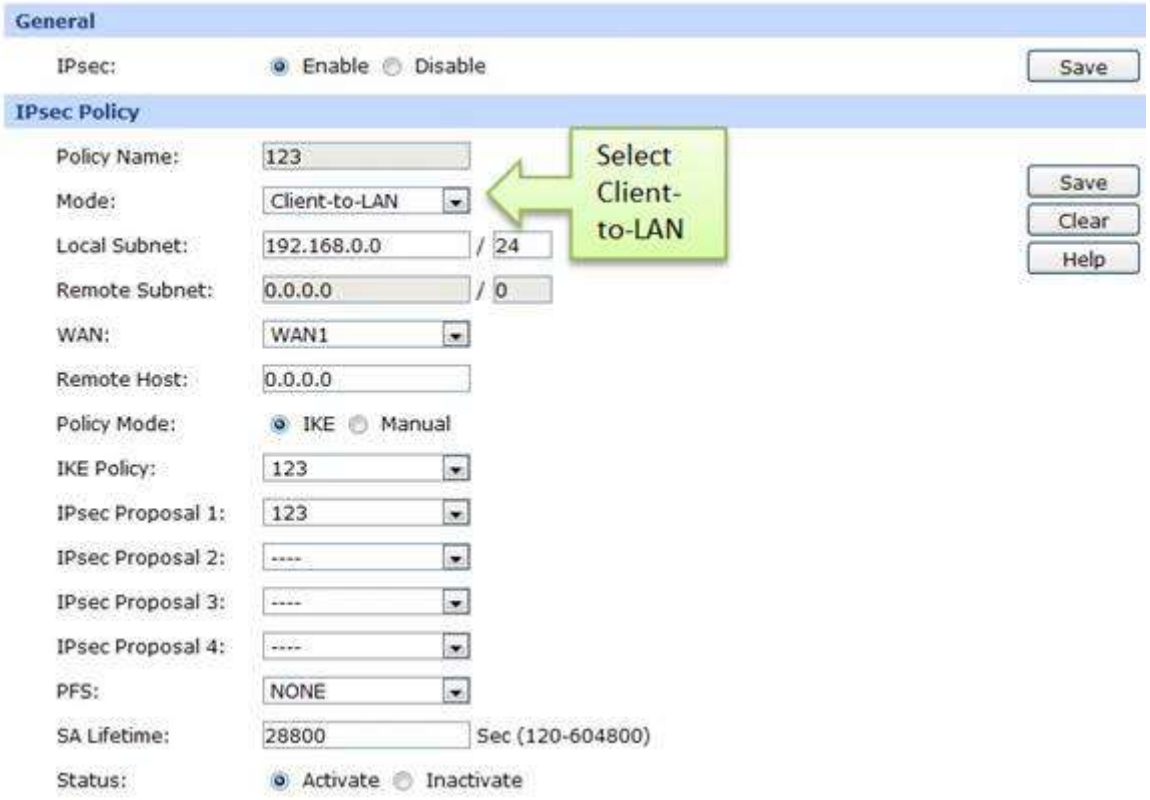
NOTE: NO matter on Main mode or Aggressive mode, once the client PC is behind a NAT device, we have to select FQDN as ID Type, otherwise the VPN tunnel can't be established.

Step 4:
Under IKE Proposal 1, we select **1** in this example. Enter Pre-shared Key and SA Lifetime you want, DPD is disabled.

Step 5:
Click on **IPsec** on the left menu, then **IPsec Proposal**. Select Security Protocol, ESP Authentication and ESP Encryption you want to enable on VPN tunnel. Here we use **ESP**, **MD5** and **3DES** for example.



Step 6:
Click on **IPsec Policy**, enter Policy Name whatever you like, the Mode should be **Client-to-LAN**. Enter Local Subnet and select WAN port.



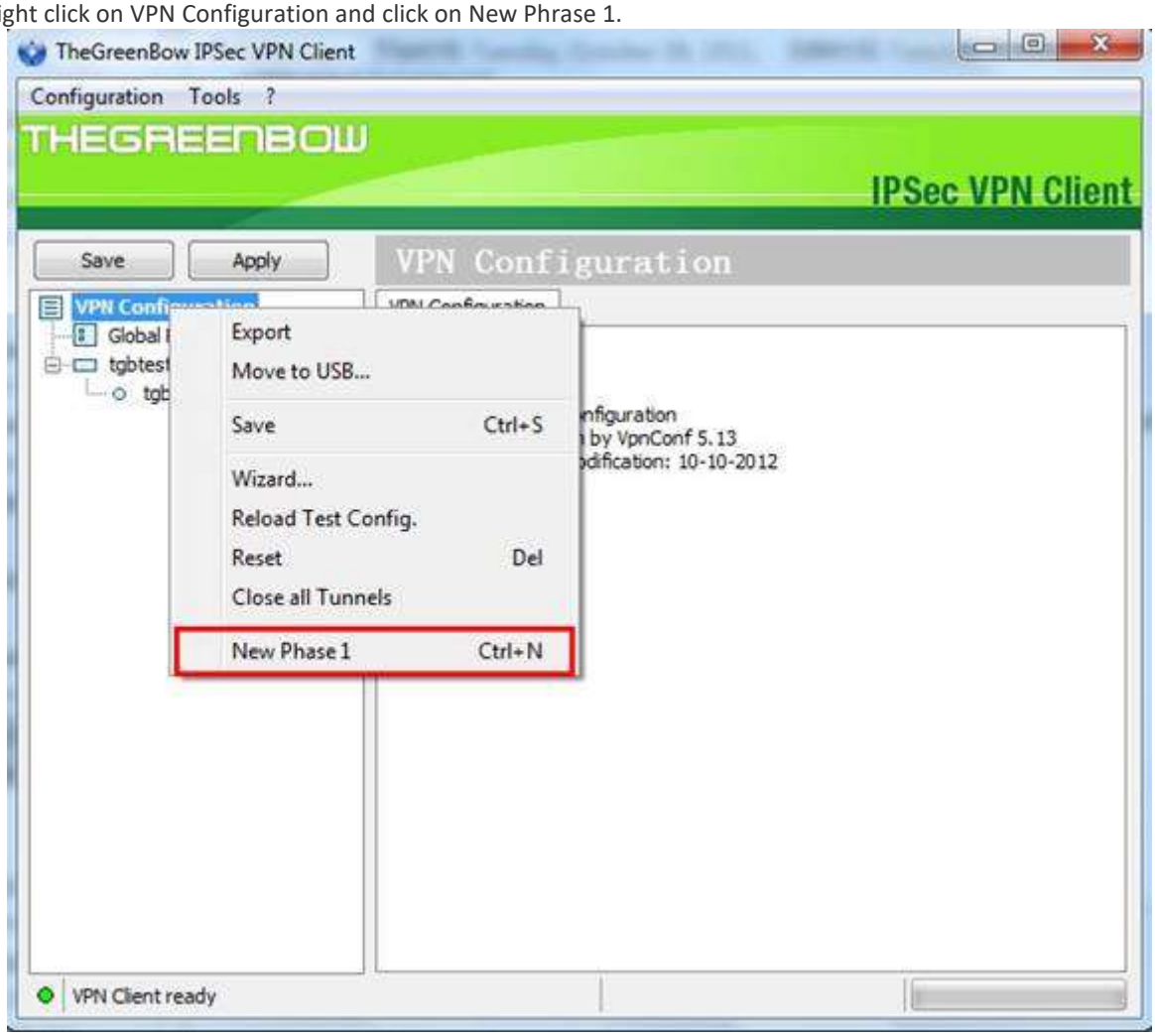
Step 7:
Look for Policy Mode and select **IKE**. Under IKE Policy, we select **123** which is used. Under IPsec Proposal, we use **123** in this example.

Step 8:
Look for PFS, we set NONE here, under SA Lifetime, enter “28800” or the period you want. Look for Status then select **Activate.**

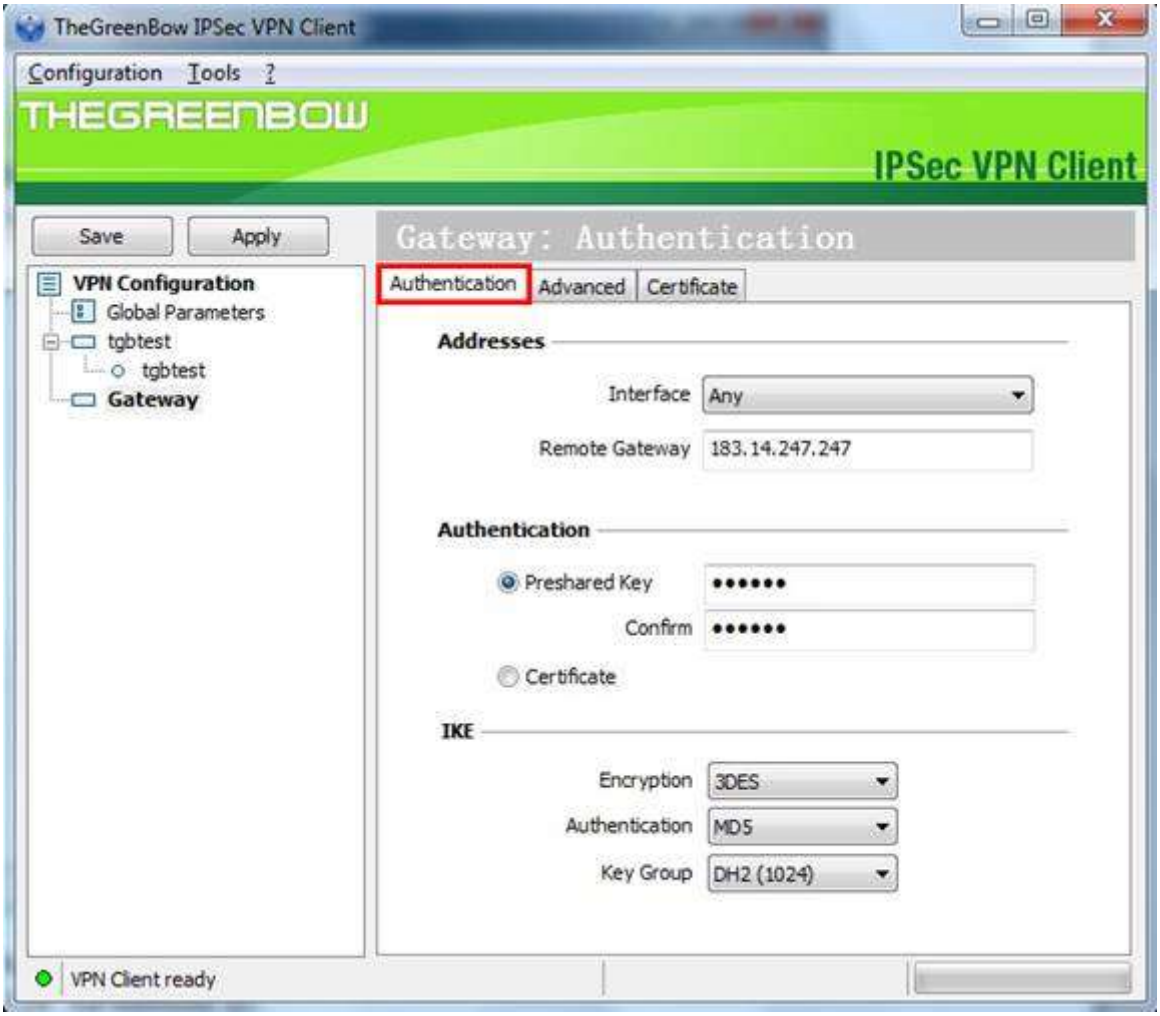
Step 9:
Enable **IPsec** and then click on **Save**.

Configuring the GreenBow VPN Client

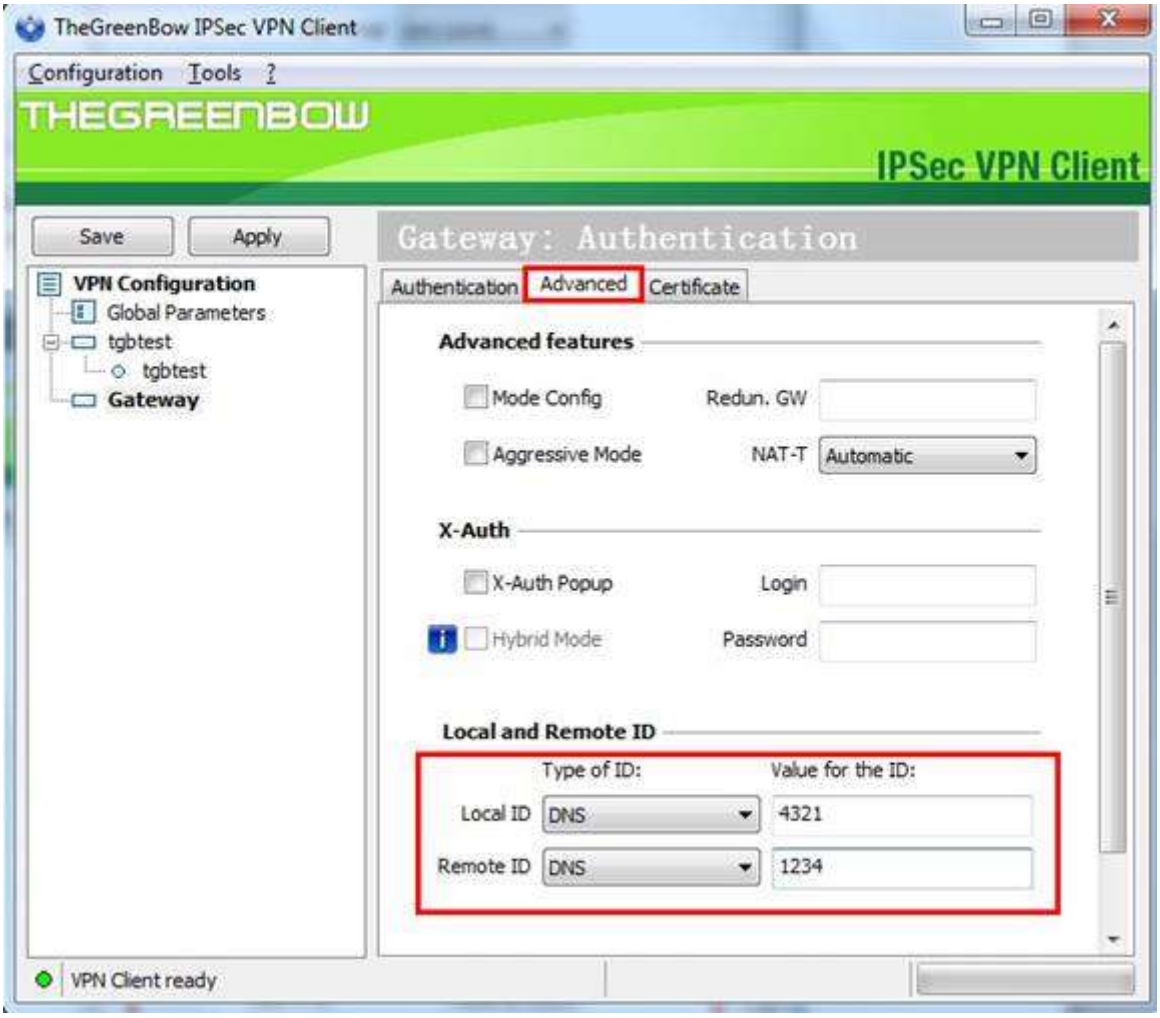
Step 1:
Right click on VPN Configuration and click on New Phrase 1.



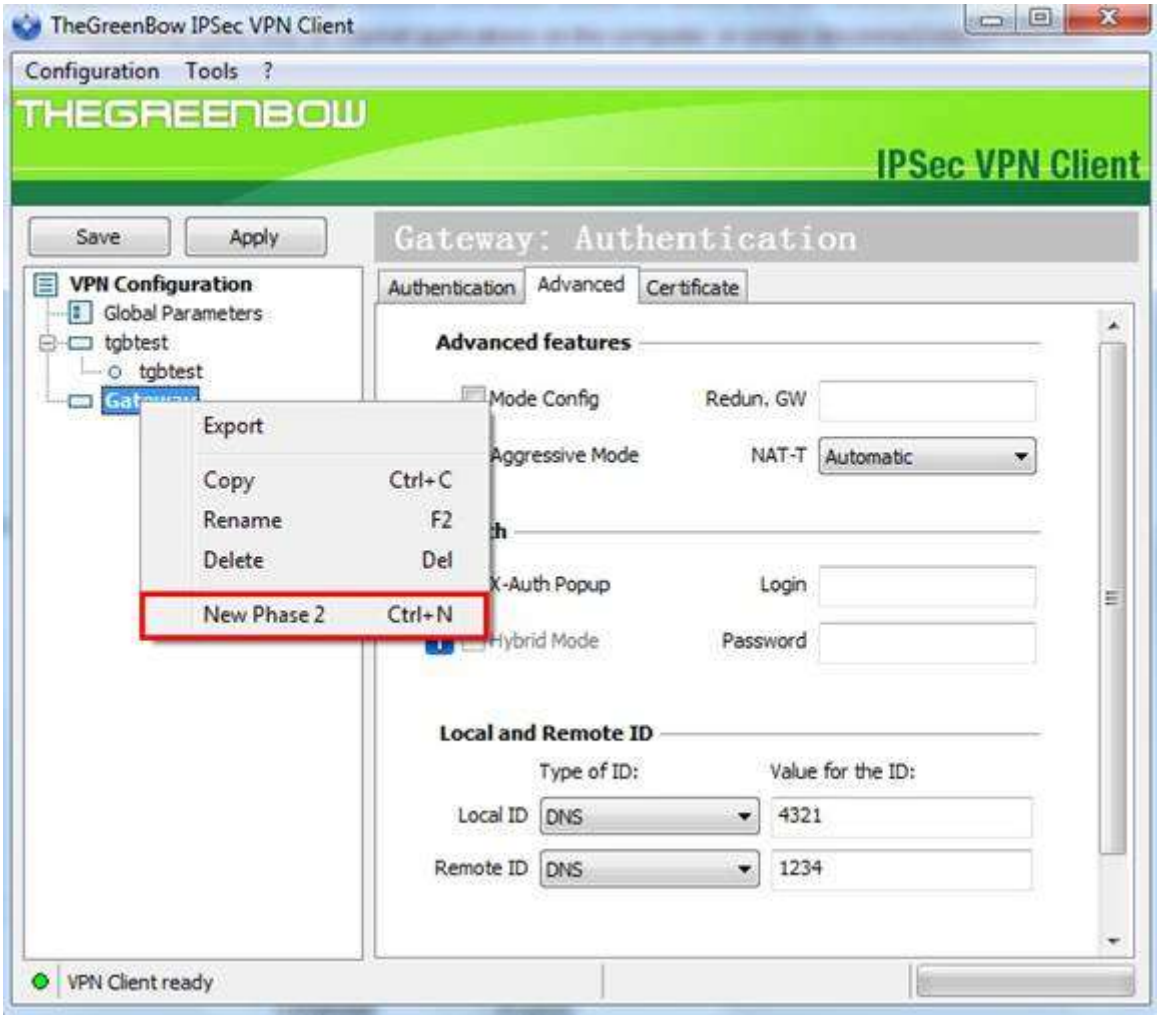
Step 2:
Under Remote Gateway, enter the router's WAN IP address, the Pre-shared Key should be the same with router's, it is "123456".on IKE section, the Encryption, Authentication and Key Group are the same with router's, we use **3DES**, **MD5** and **DH2** here.



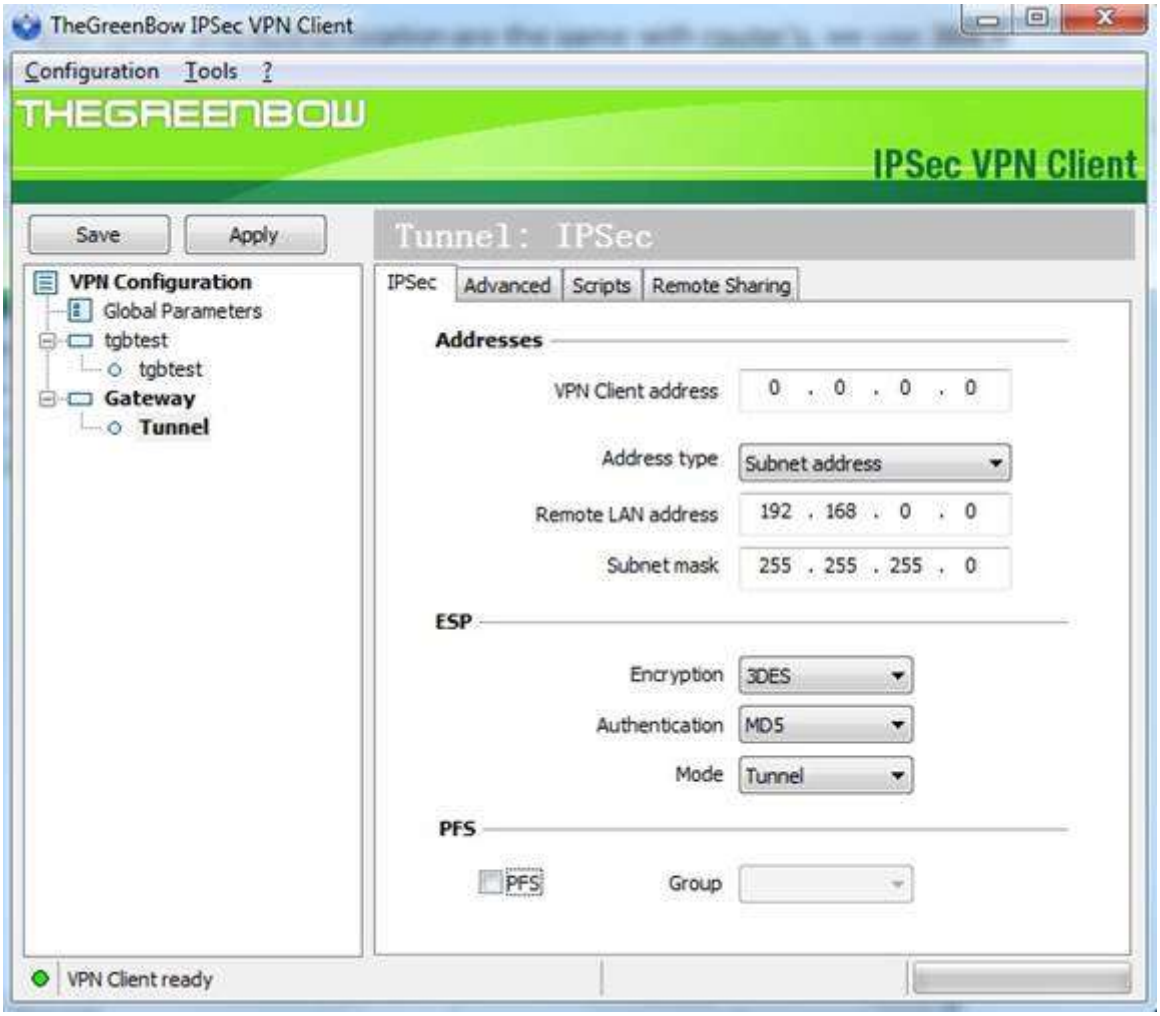
Step 3:
Go to Advanced tab, select **DNS** as Type of ID, and then enter “4321” for Local ID and “1234” for Remote ID.



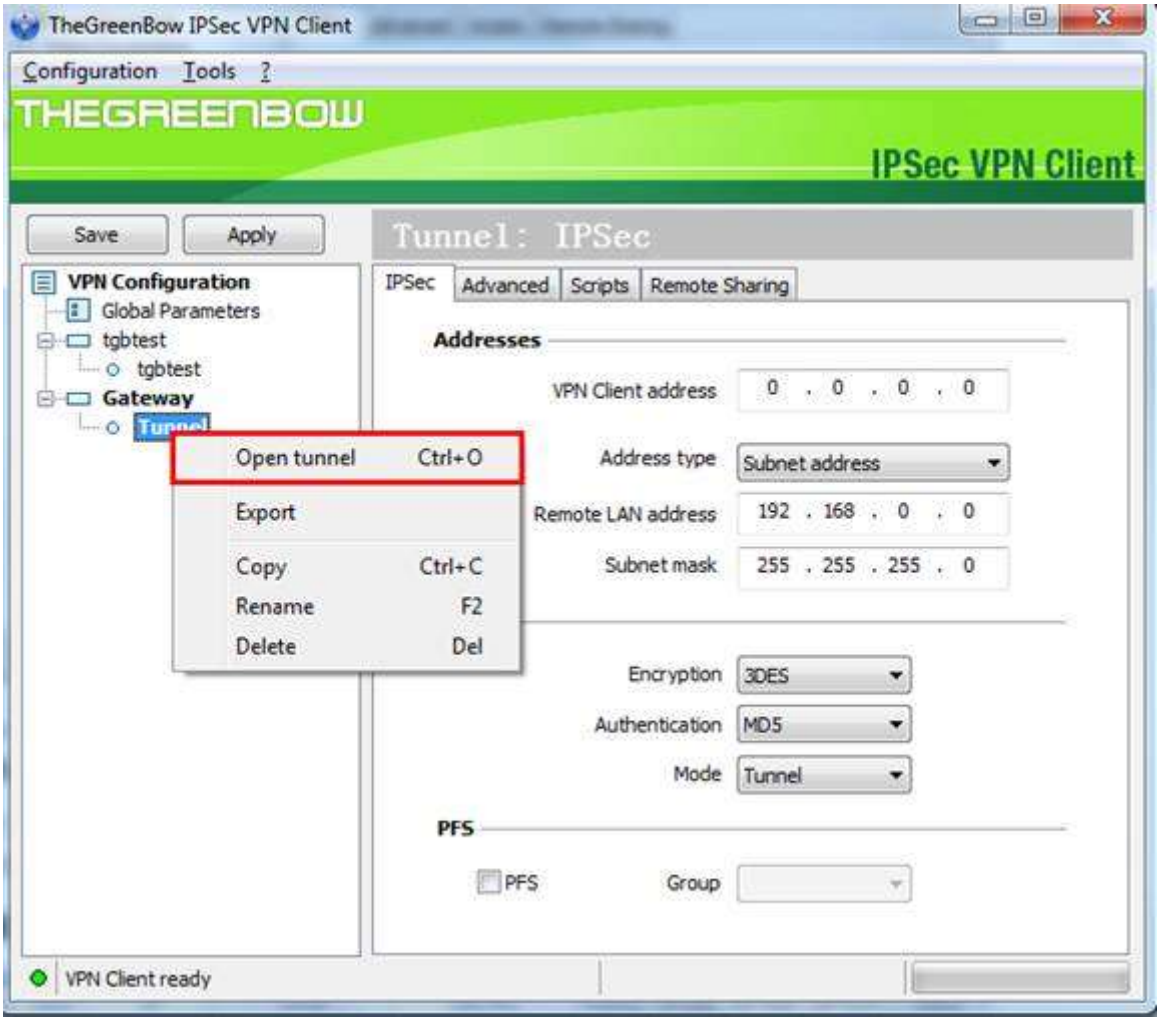
Step 4:
Right click on Phase 1, add a new phrase 2.



Step 5:
Enter remote LAN address and Subnet mask, in the example, the IP address is 192.168.0.0, Subnet mask is 255.255.255.0. Encryption and Authentication are the same with routers; we use **3DES** and **MD5** here. The Mode should be **Tunnel**.



Step 6:
Save the configuration and right click on Phrase 2(Tunnel), click on **Open Tunnel**.



Step 7:
If the client connect to the VPN Server successfully, you can see IPsec SA on the list.