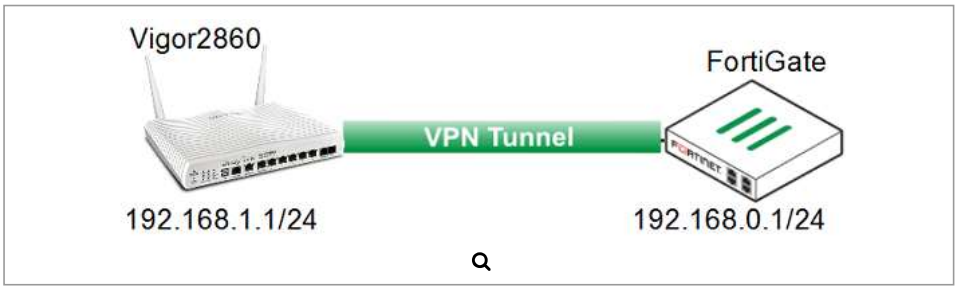
Vigor Router to FortiGate(FortiOS 5.4.0) - IPsec

Support Model :

Tags :

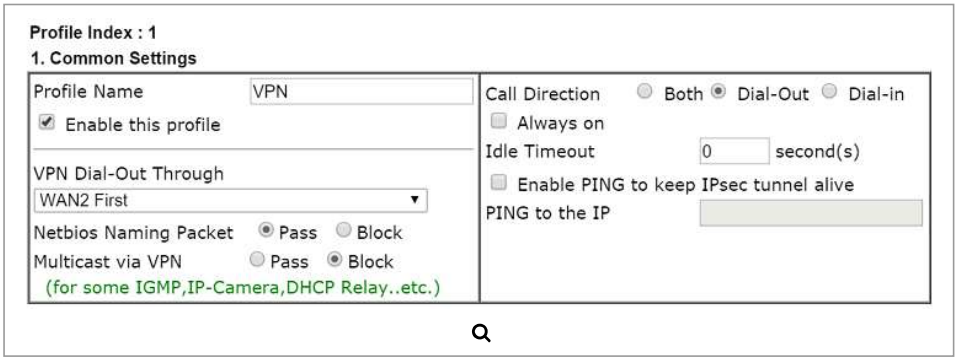
This note demonstrates how to establish IPsec between Vigor Router and FortiGate with FortiOS 5.4.0. We take the following network for example.

(For establishing IPsec VPN between ForiGate and Vigor3900/Vigor2960, please refer to the article here)



Setting up Vigor Router

1. Go to **VPN and Remote Access >> LAN to LAN**, and click an available index. In Common settings, give a profile name and enable the profile, select "Dial-Out" as Call Direction.



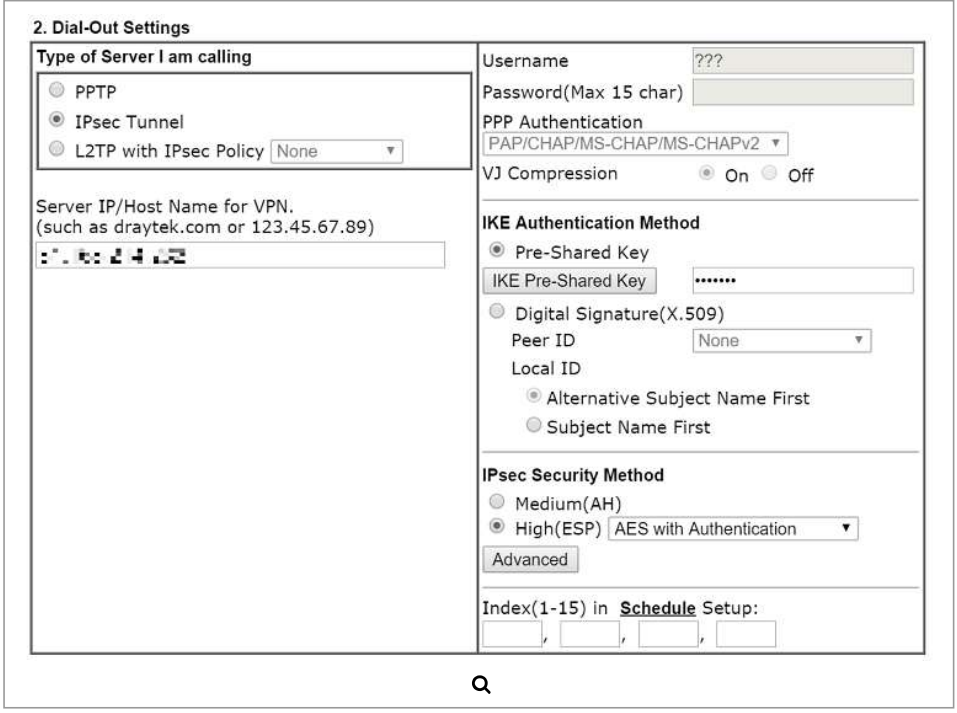
2. In Dial-out settings,

a. select "IPsec Tunnel" as Type of Server I am Calling,

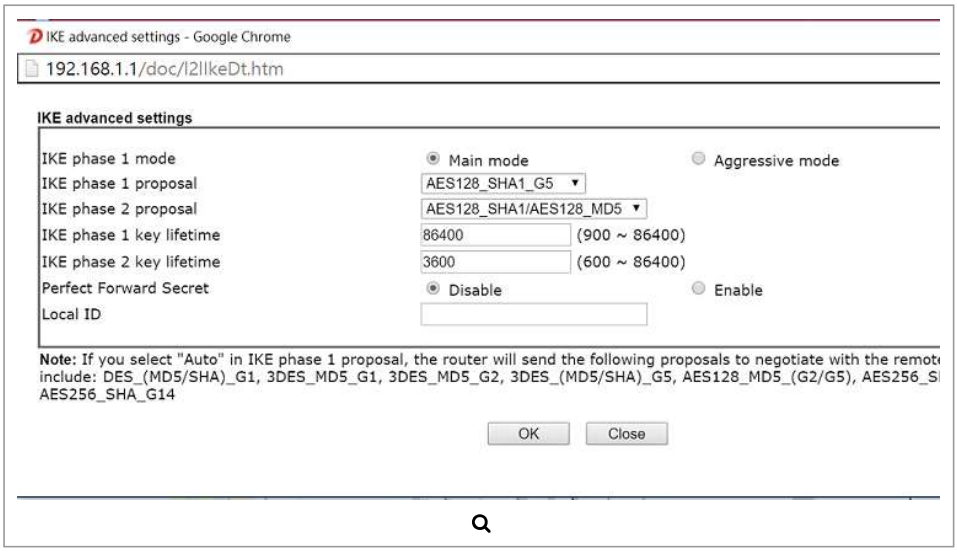
b. type the WAN IP of FortiGate in Server IP,

c. type the Pre-shared Key,

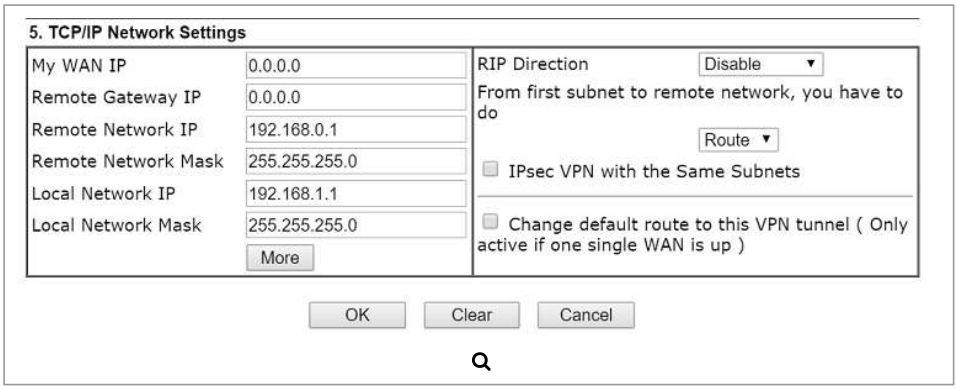
d. in IPsec Securiy Method, select **High(ESP) AES with Authentication** and click **Advanced**



3. Configure Key Lifetime and Proposal of IKE phase1 and 2, and Click **OK** to apply

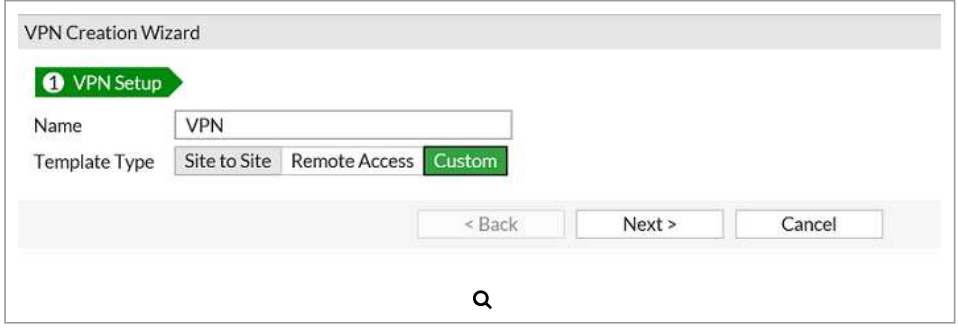


4. In TCP/IP Network Settings, type the LAN IP of FortiGate in Remote Network IP and Click **OK** to apply

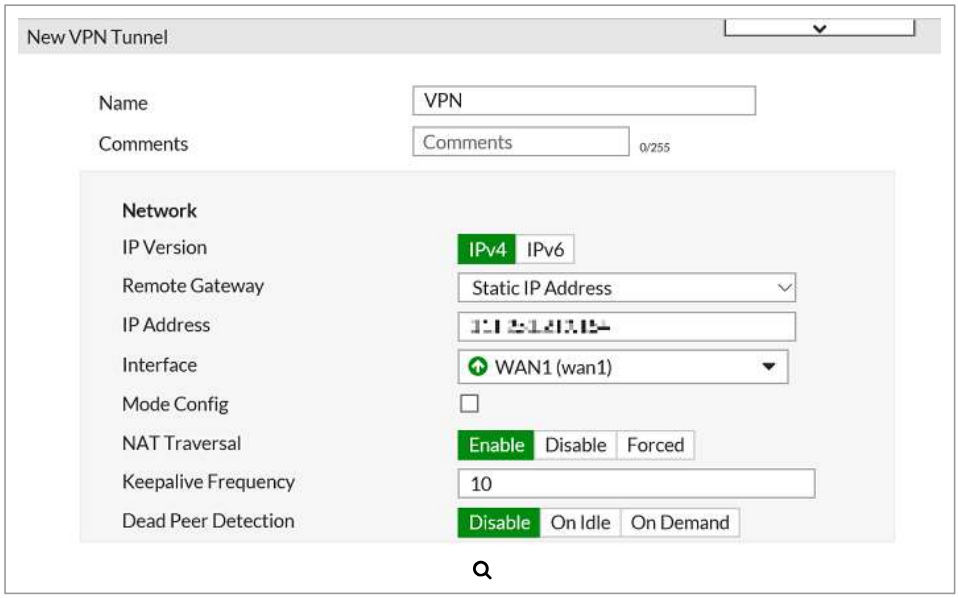


Setting up FortiGate

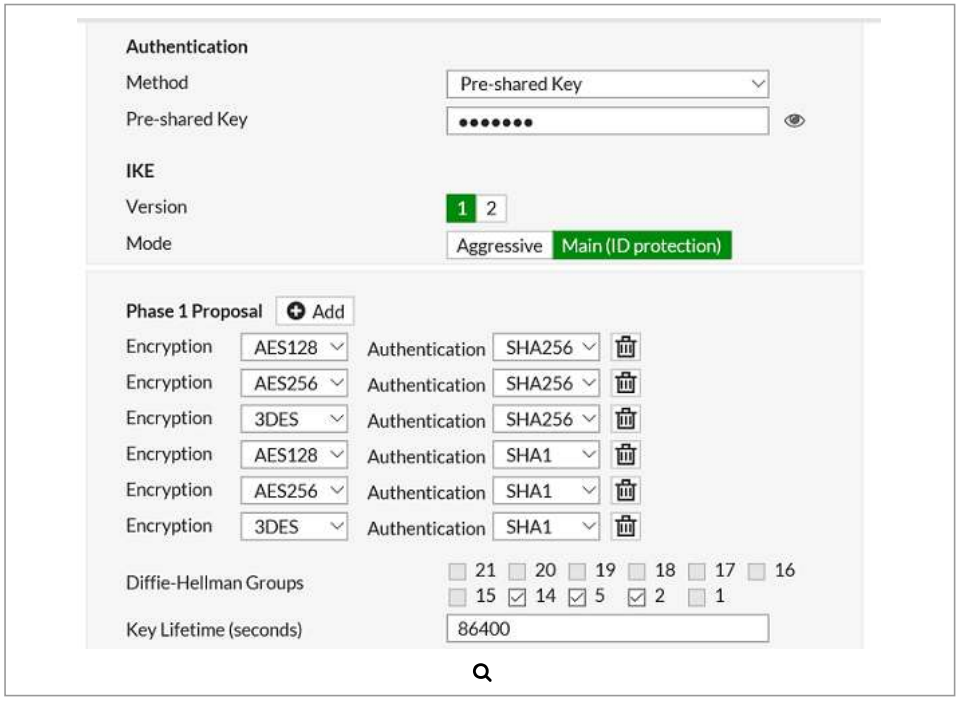
1. Go to VPN >> IPsec Wizard, give a name of VPN tunnel and select Custom as Template Type, then click Next >



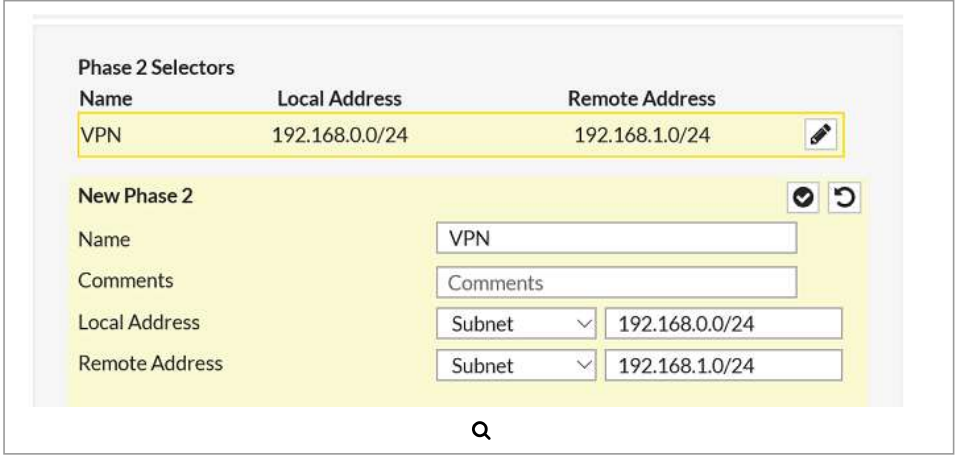
2. In Network settings, type the WAN IP of Vigor Router in IP Address, and select the WAN interface used for VPN as Interface.



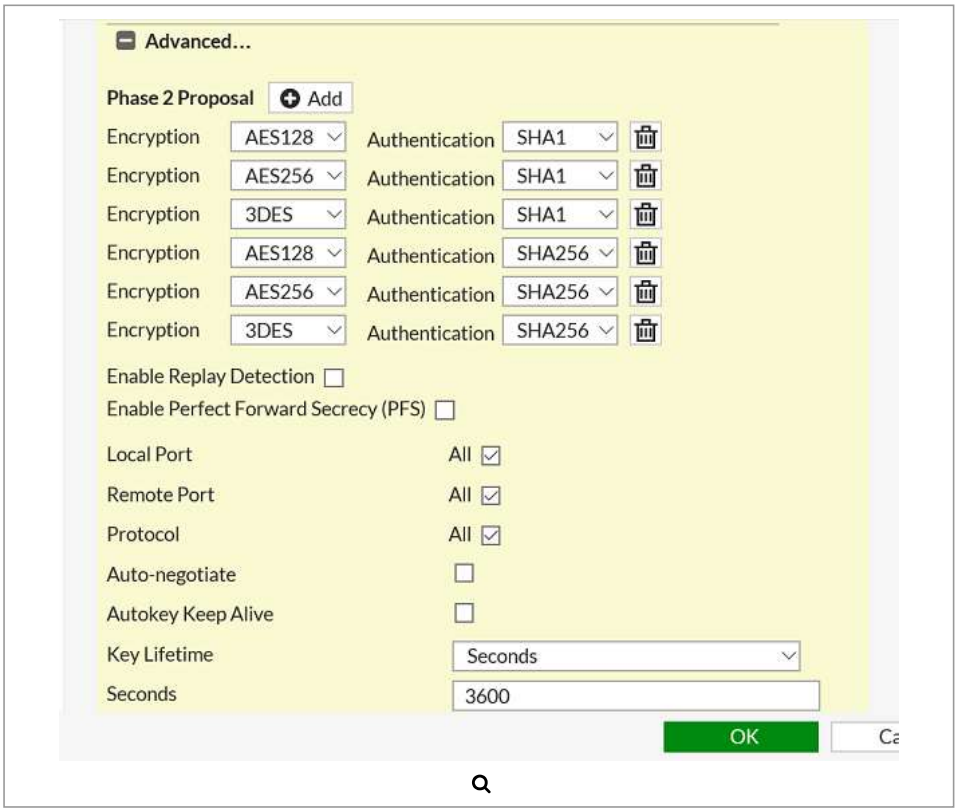
3. For Authenticaion settings, type Pre-shared Key and set Key Lifetime to match the configuration on Vigor Router.



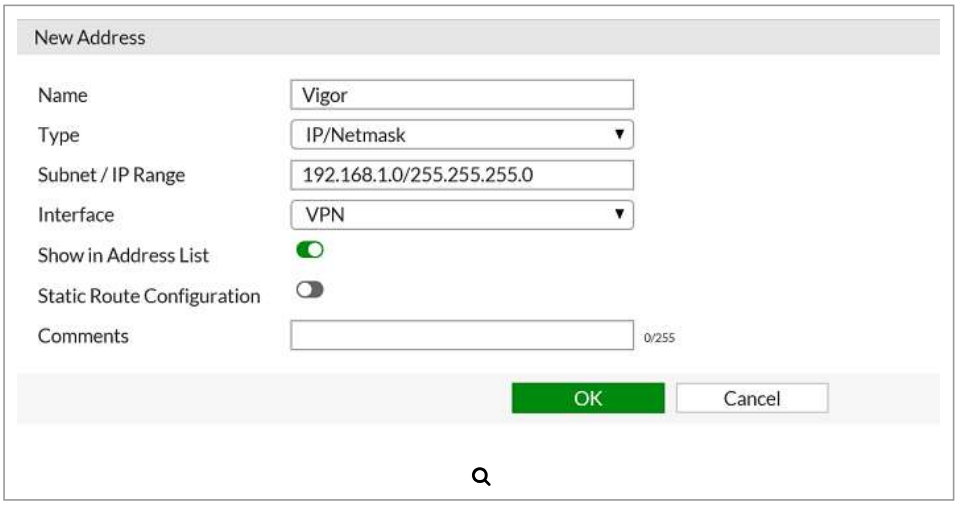
4. In Phase 2 settings, type the LAN IP of FortiGate in Local Address and the LAN IP of Vigor Router in Remote Address.



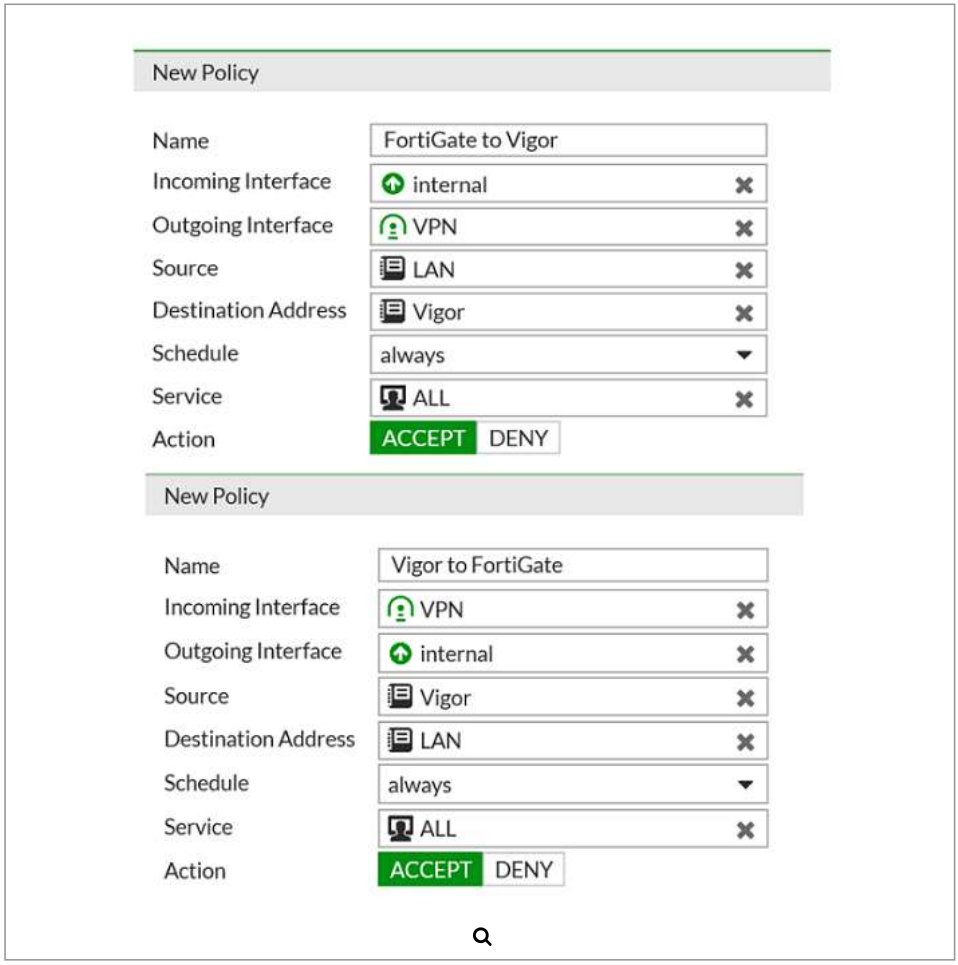
5. In Phase 2 Proposal setting, disable **Relay Detection** and **Perfect Forward Secrecy (PFS)**, and set Key Lifetime to match the configuration on Vigor Router. Click **OK** to finish the settings.



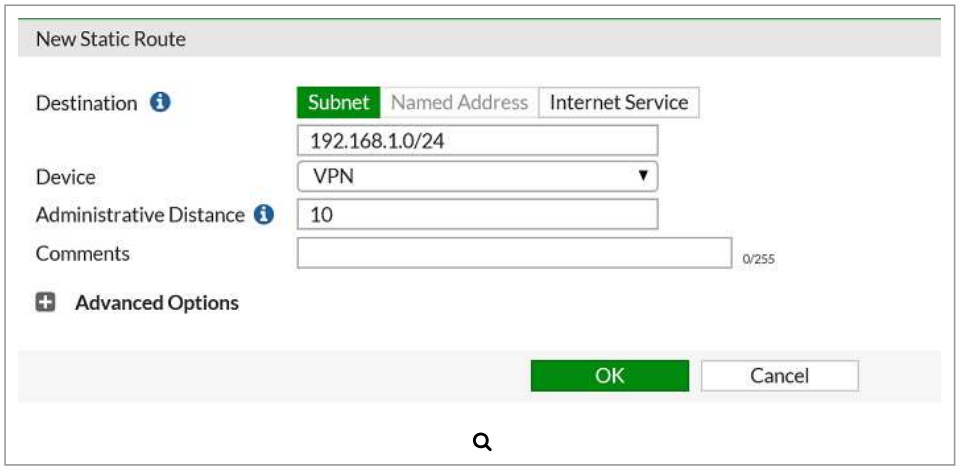
6. Create an address profile for policy setting: Go to Policy & Objects >> Addresses >> Create New >> Address, give a name, type the LAN IP of Vigor Router at Subnet/ IP Range, select IPsec Tunnel we just created as Interface and click OK to apply.



7. Create Firewall rules for VPN, Go to Policy & Objects >> IPv4 Policy >> Create New, we need to create two firewall rules in the policy: one is from Internal network segment to Remote network, another is from Remote network to Internal network. Please keep priority of the rule order in mind, because you may need to manual adjust the rule order. Usually, IPSec Traffic will be put on the top of other rules except management rule.

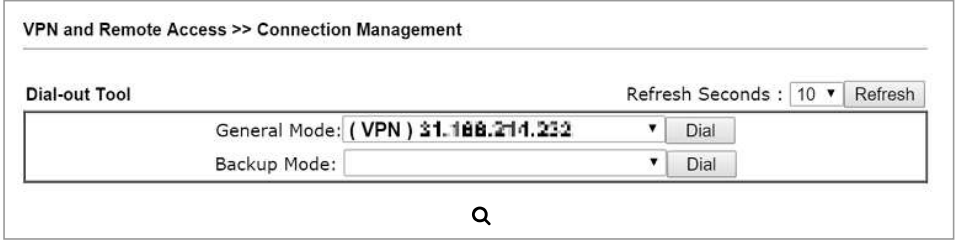


8. Create a Static Route for VPN, Go to Network >> Static Routes >> Create New, type the LAN IP of Vigor Router in Destination and Select IPsec Tunnel as Device.

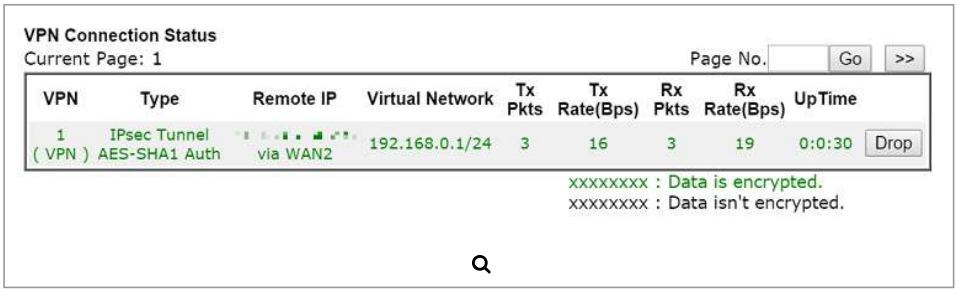


Establishing the VPN

Finally, go to **VPN and Remote Access >> Connection Management** on Vigor Router, and select the profile we created, then click **Dial**.



After VPN establish successfully, we can see the status in **VPN and Remote Access** >> **Connection Management** >> **VPN Connection Status** of Vigor Router.



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Yes No