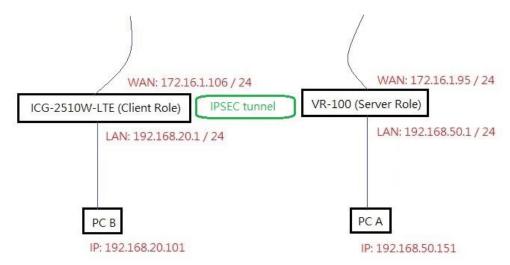
Establish a IPSEC VPN between VR-100 and ICG-2510W-LTE. VR-100 as the VPN Server, ICG-2510W-LTE as the VPN Client.

Topology:



Follow the following steps for setting up VPN server: (VR-100)

- 1. WAN Configuration
 - a. Go to the **Network** -> **WAN** page.
 - b. Select **Connection Type** as Static
 - c. Input the IP Address you use.
 - d. Click **Apply Settings** button to save changes.



2. LAN Configuration

- a. Go to the **Network** -> **LAN** page.
- b. Input the IP Address and Netmask.

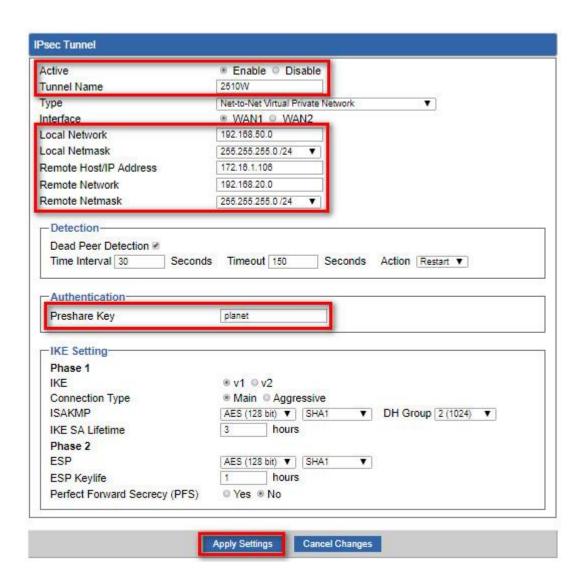


3. VPN Configuration

- a. Go to the **VPN** -> **IPsec** page.
- b. Set the **IPsec Tunnels** as enable.
- c. Click Add IPsec Tunnel button to add a tunnel

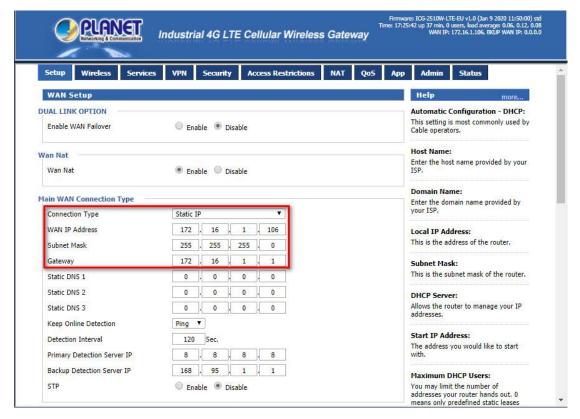


- d. Set the **Active** as enable, and input the **Tunnel Name**.
- e. Input the **Local Network** and **Netmask** as the router's LAN IP address.
- f. Input the **Remote Host/IP Address** as client router's WAN IP address.
- g. Input the **Remote Network and Netmask** as client router's LAN IP address.
- h. Input the **Preshare Key** as the same as the one set on both router.
- i. Click Apply Settings button to save changes.

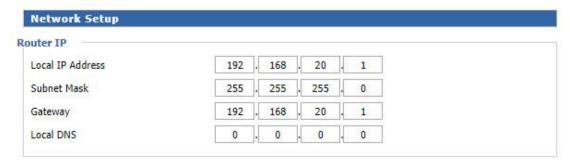


Follow the following steps for setting up VPN Client: (ICG-2510W-LTE)

- 1. WAN and LAN Configuration
 - a. Go to the **Setup** -> **Basic Setup** page -> Main WAN Connection Type.
 - b. Select Connection Type as Static IP
 - c. Input the WAN IP Address you use.



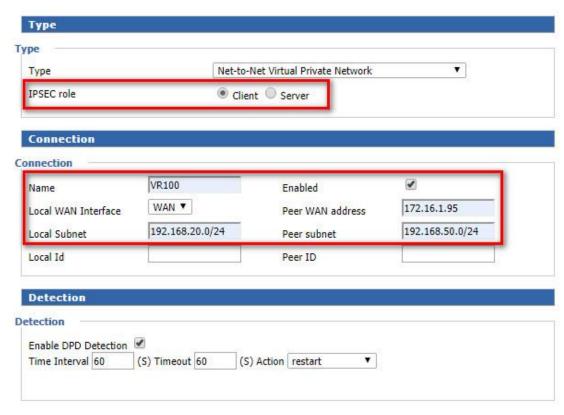
- d. Go to the Router IP.
- e. Input the Local IP Address, Subnet Mask and Gateway.



- 2. VPN Configuration
 - a. Go to the **VPN** -> **IPSEC** page.
 - b. Click **Add** button to add a VPN profile.



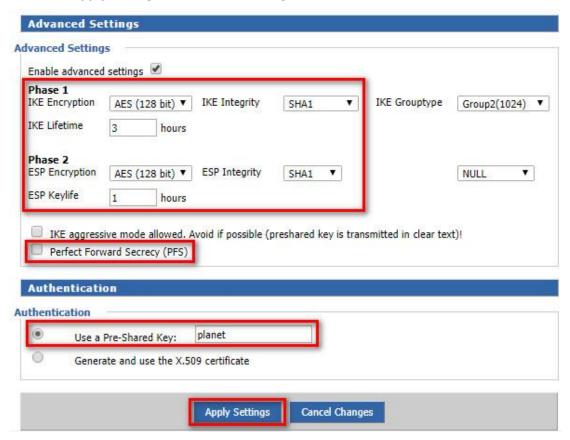
- c. Set the **IPSEC role** as Client.
- d. Input the Name, and check Enabled.
- e. Input the **Local Subnet** as the router's LAN IP address.
- f. Input the **Peer WAN address** as the VPN Server router's WAN IP address.
- g. Input the **Peer Subnet** as the VPN Server router's LAN IP address.



h. Set the Advanced Settings. **It should be** the same as the VPN server router. In this example, IKE Encryption is AES(128 bit), IKE Integrity is SHA1, ESP Encryption is

AES(128 bit), ESP Integrity is SHA1.

- i. Disable Perfect Forward Secrecy(PFS)
- j. Input Pre-Shared Key.
- k. Click **Apply Settings** button to save changes.



VPN Connection Status

1. VPN Server

Go to the VPN -> VPN Connection -> IPsec page.



2. VPN Client

Go to the **VPN** -> **IPSEC** page.



3. PC B ping the PC A.

4. PC A ping the PC B.

