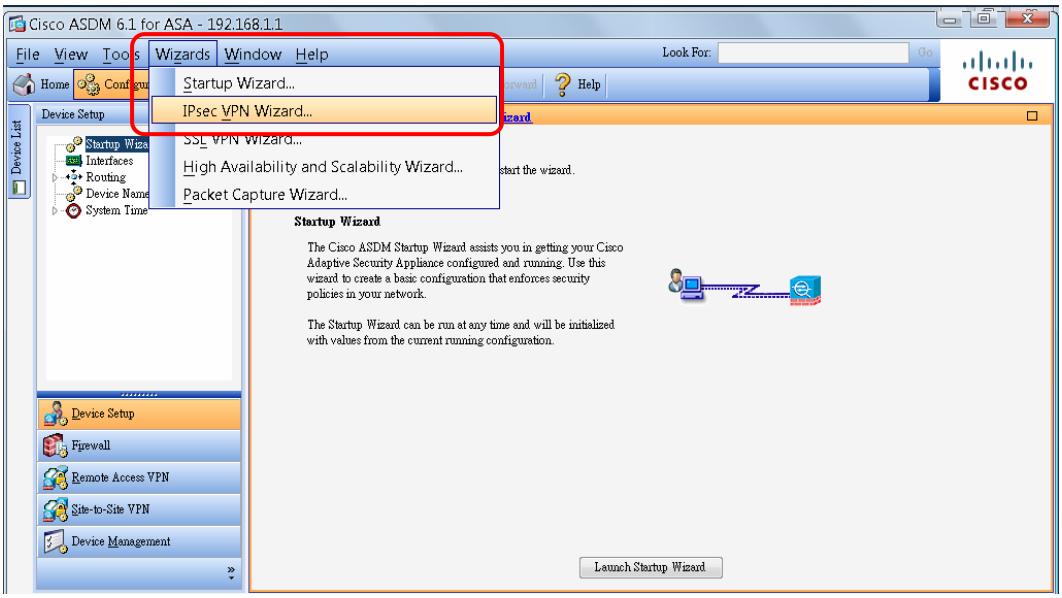
How to build LAN to LAN VPN connection between Vigor router and CiscoASA

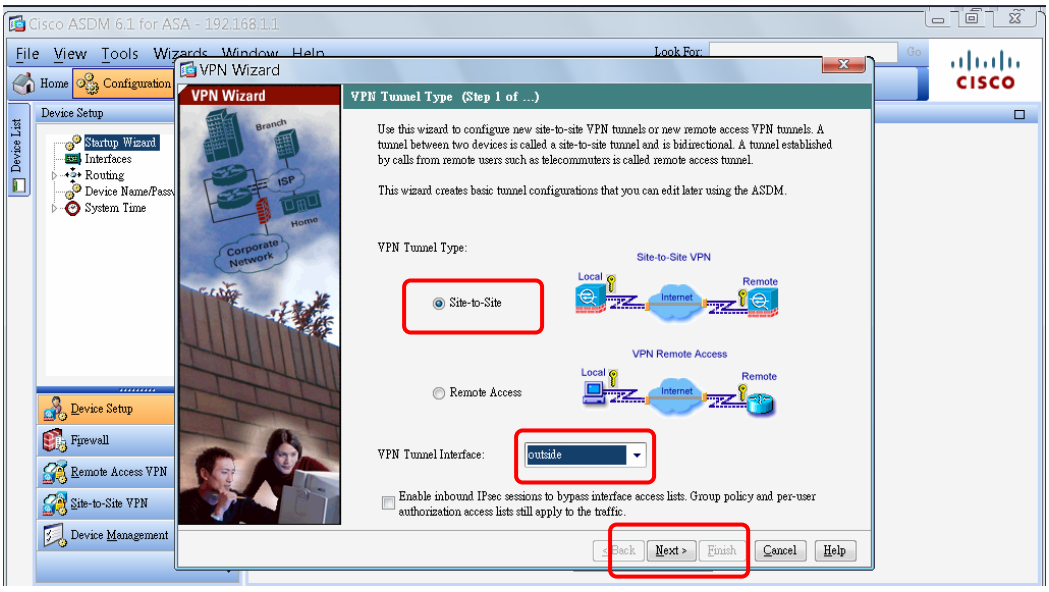
This application will guide you to build LAN to LAN VPN connection between Vigor router (e.g., Vigor2910) and CiscoASA. Suppose,

- The WAN IP address of CISCO ASA is 203.70.63.90, while LAN IP address is 192.168.1.1/255.255.255.0
- The WAN1 IP address of Vigor2910 is 59.125.9.159; while LAN IP is 192.169.20.1/255.255.255.0

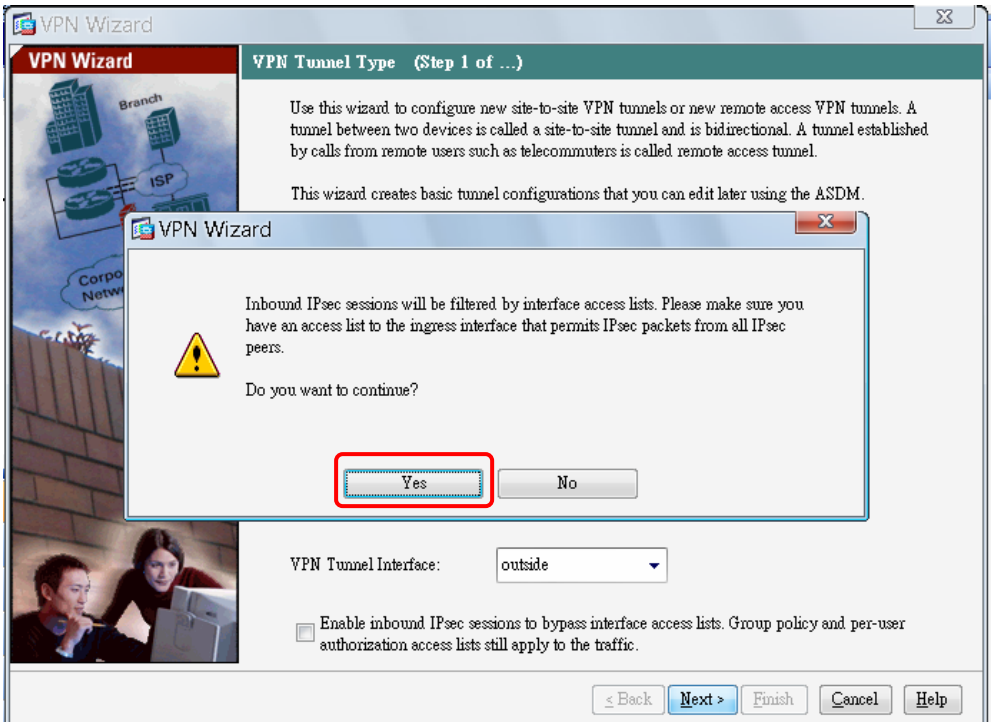
1. Choose **Wizards>>IPsec VPN Wizard**.



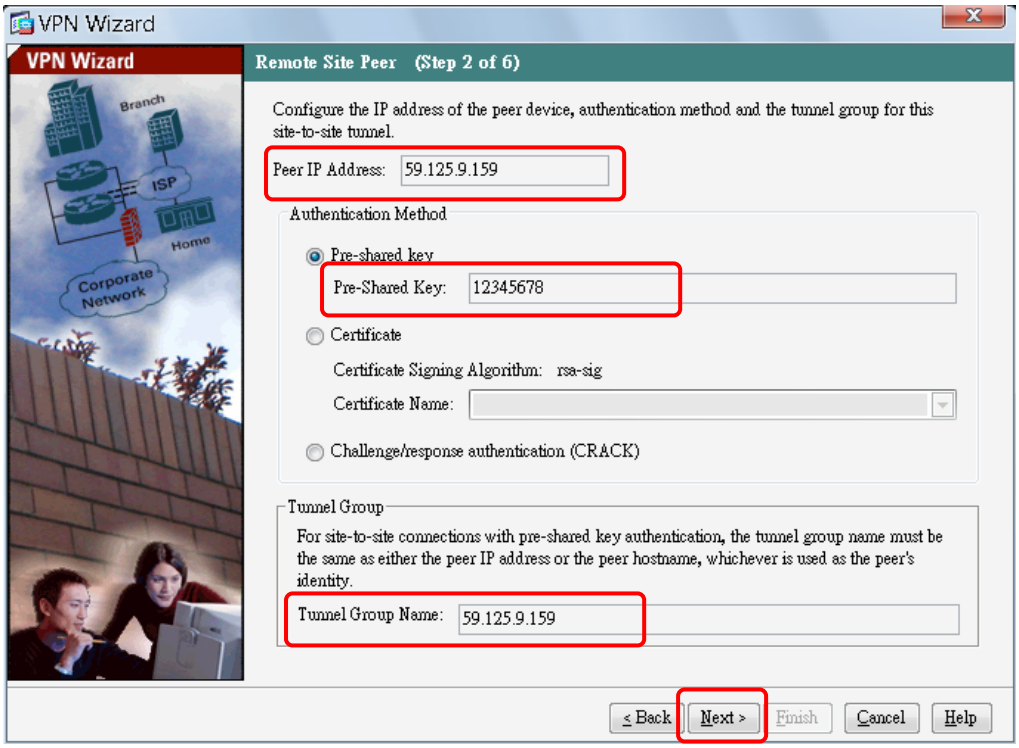
2. The VPN Wizard will be popped-up as follows. Choose **Site-to-Site** as **VPN Tunnel Type**; **Outside** as **VPN Tunnel Interface**; and click **Next**.



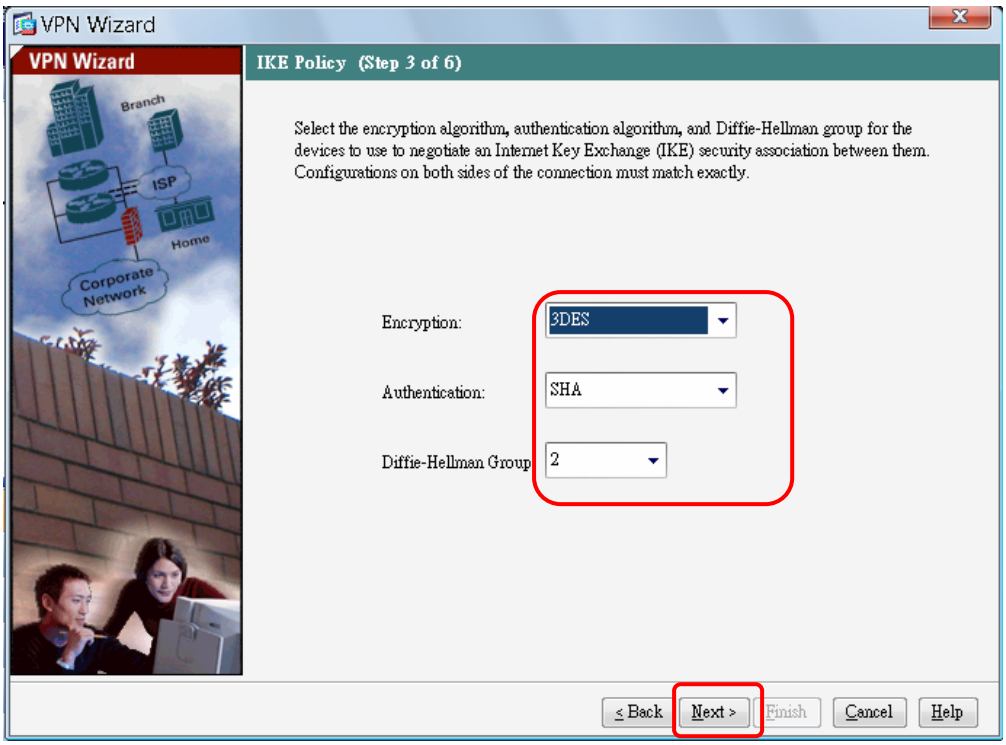
3. Click **Yes** to continue.



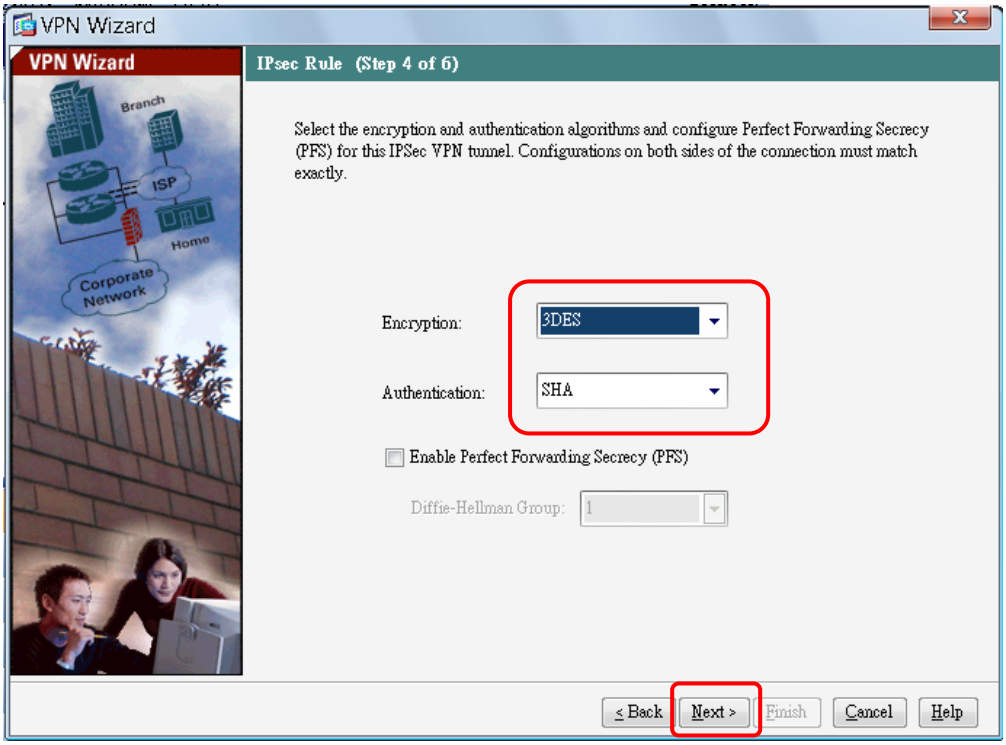
4. Type the WAN IP address of the peer in the field of **Peer IP Address** for IPsec VPN connection. Then type the Pre-shared key. Next, a profile name will be generated automatically in the field of **Tunnel Group Name**. Click **Next**.



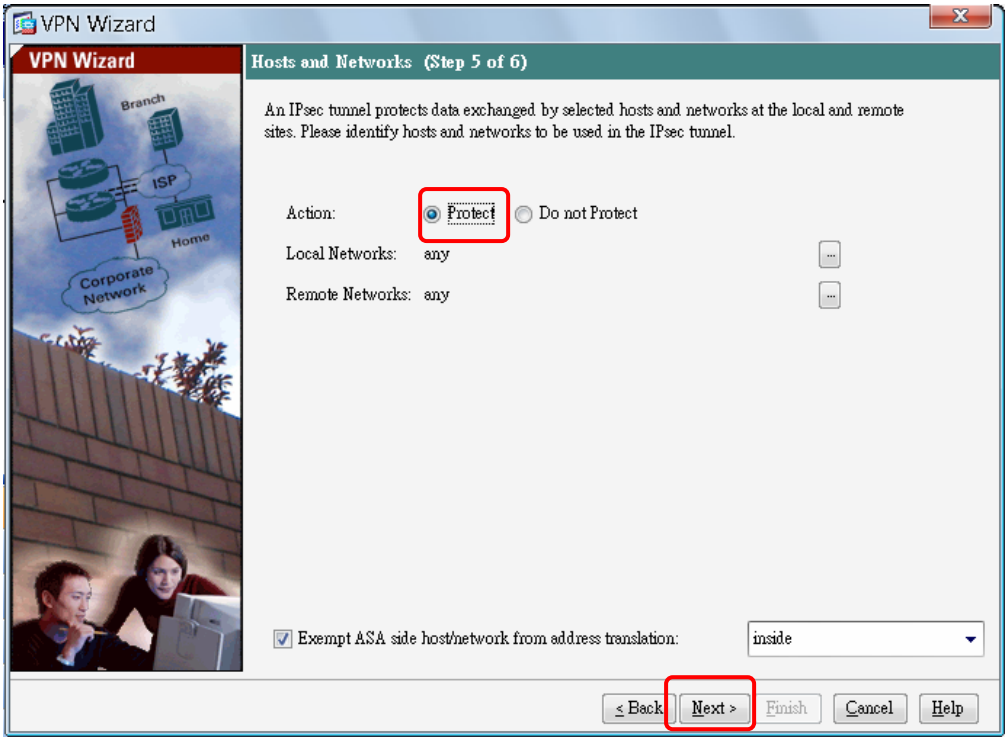
5. Keep the default settings of **Encryption** type and **Authentication**, and specify the **DH Group** for your request. Then, click **Next**.



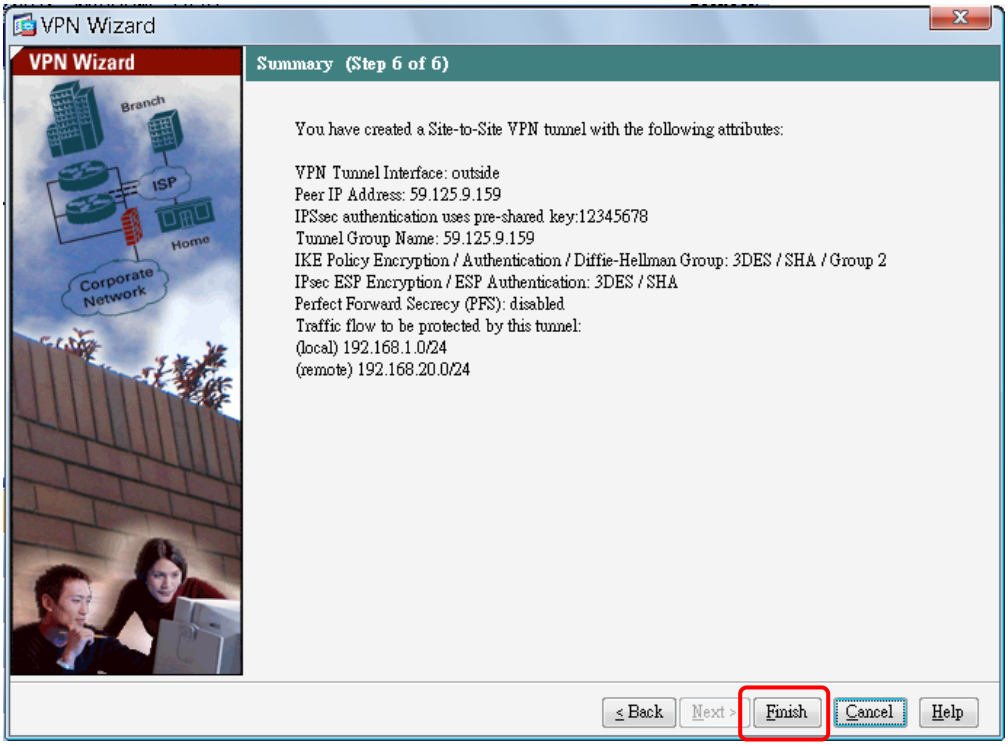
6. For the second phase of IKE encryption, keep the default settings and click **Next**.



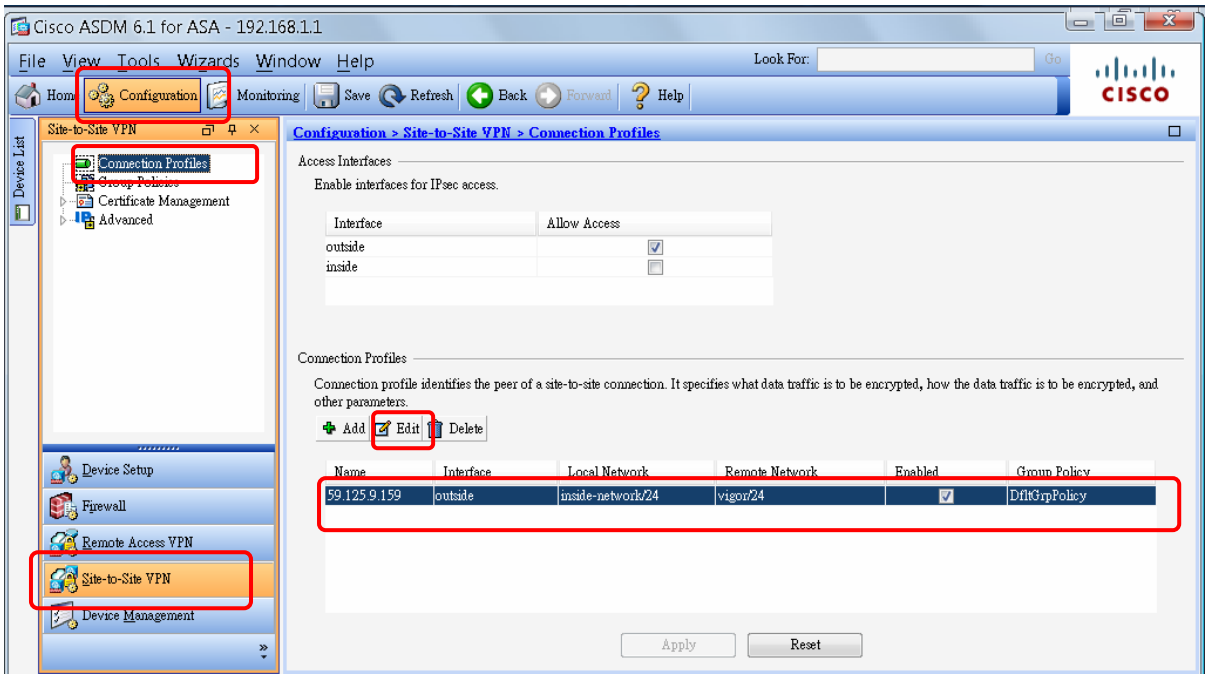
7. In the following screen, type the local / remote IP address with the subnet mask for local /remote network. Then, click **Next**.



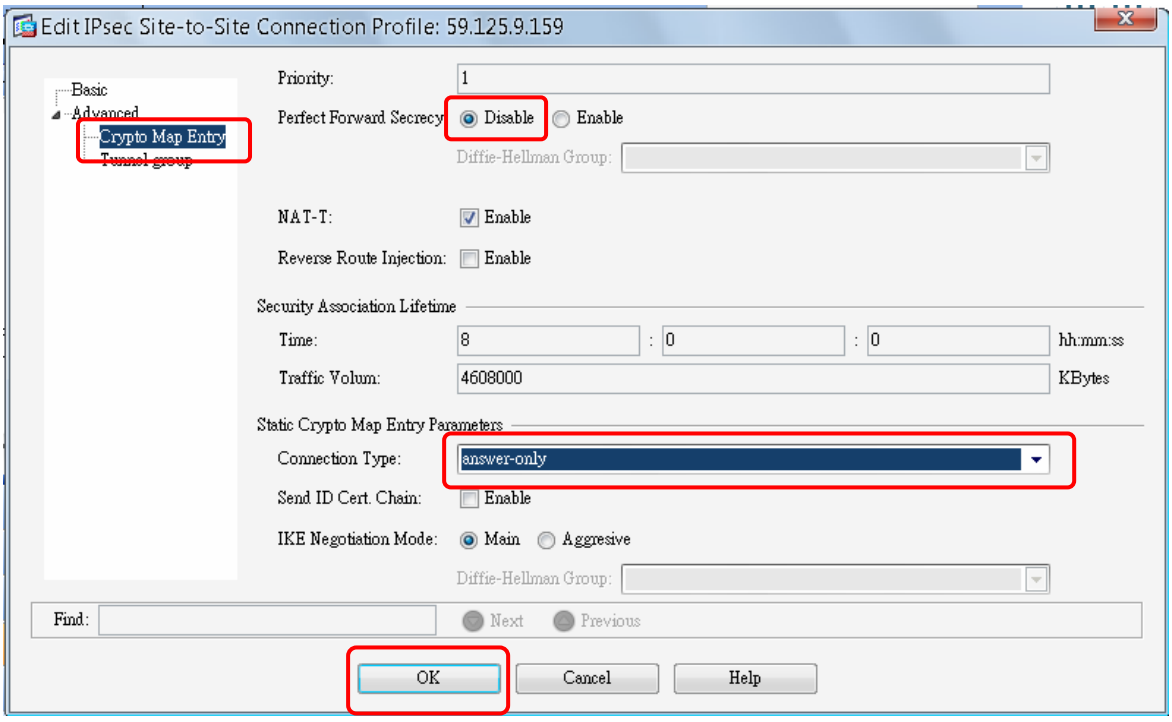
8. Click **Finish**.



9. Click the tab of **Configuration**. Choose **Site-to-Site VPN** and click **Connection Profiles**. Now, the relational VPN settings will be displayed on the field of **Connection Profiles**. If required, you can click **Edit** on this field to modify other settings of VPN in details.

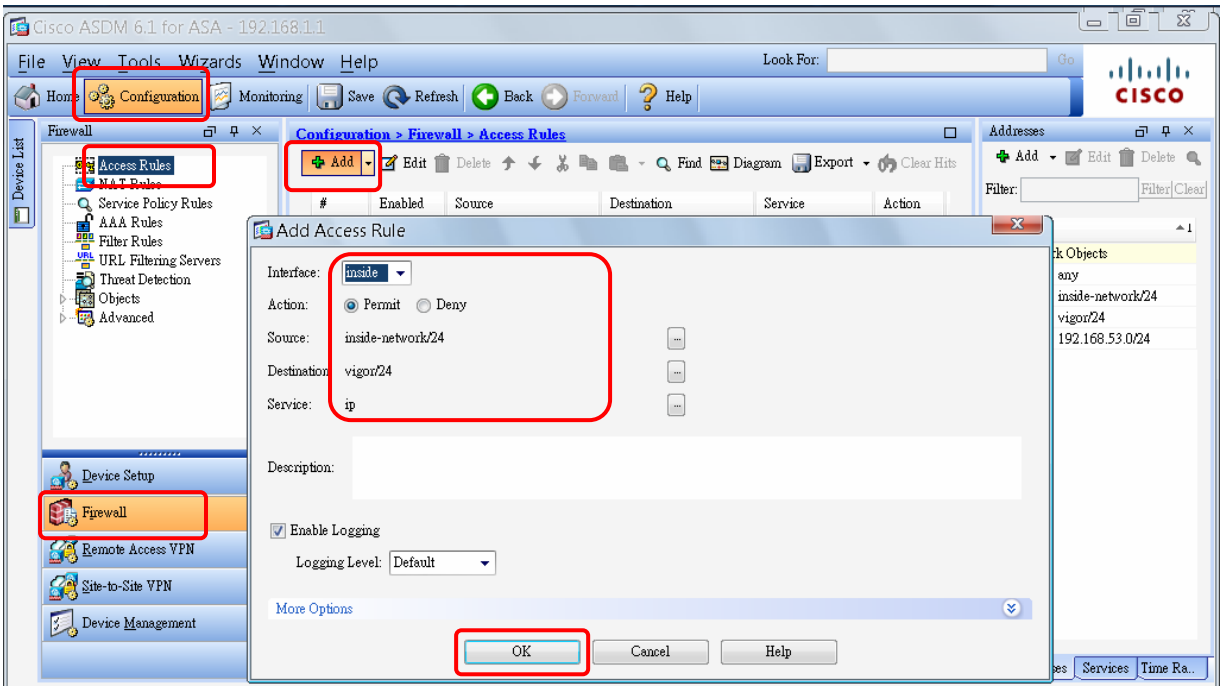


10. Click **Edit** to open the following screen. Expand the **Advanced** folder and choose **Crypto Map Entry**. Click **Disable** for **Perfect Forward Secrecy**, then choose **answer-only** as **Connection Type**. Next, click **OK**.

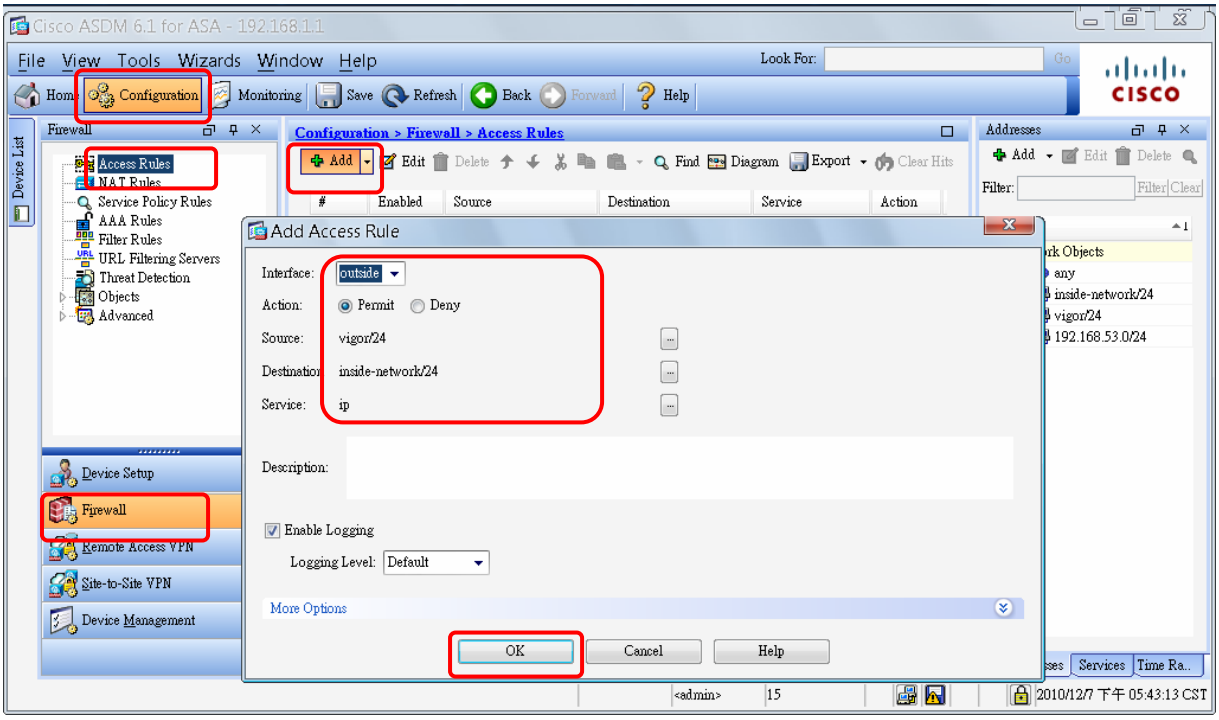


11. Click the tab of **Configuration**. Choose **Firewall** and click **Access Rules**.

12. Click **Add**. The **Add Access Rule** dialog will pop-up. Choose **Inside** as the **Interface**; and choose **Permit** as the **Action**. Choose local network as the **Source**; and remote network as the **Destination**. Next, click **OK**.

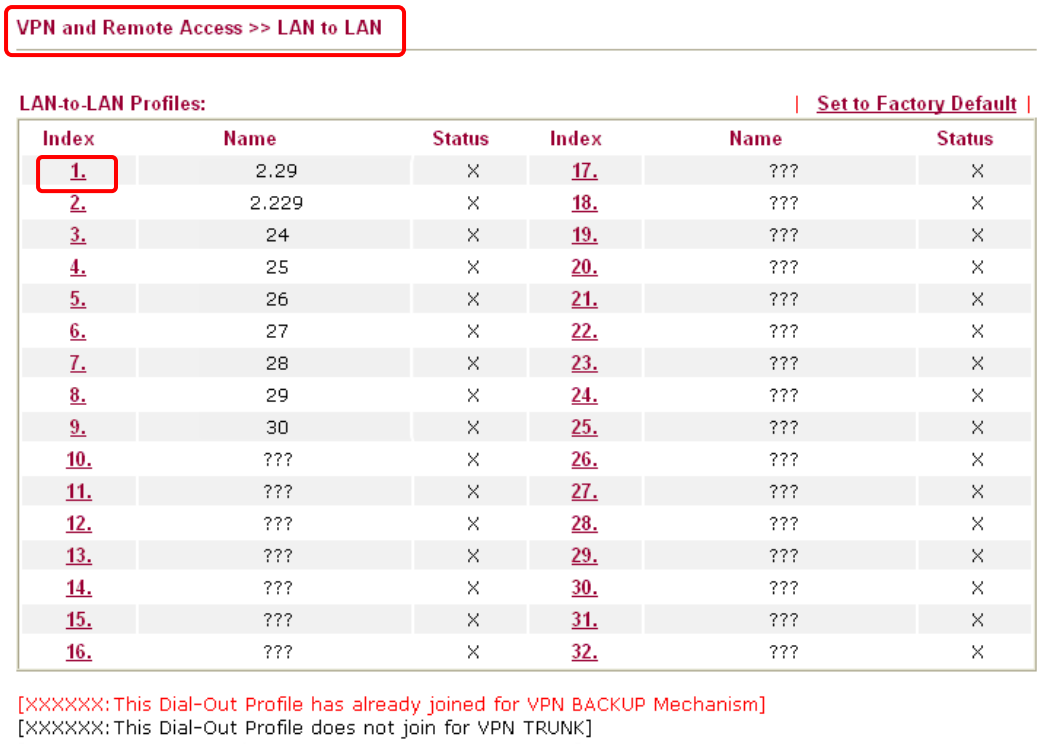


13. Click **Add** to add another access rule. Choose **Outside** as the **Interface**; and choose **Permit** as the **Action**. Choose remote network as the **Source**; and local network as the **Destination**. Next, click **OK**.

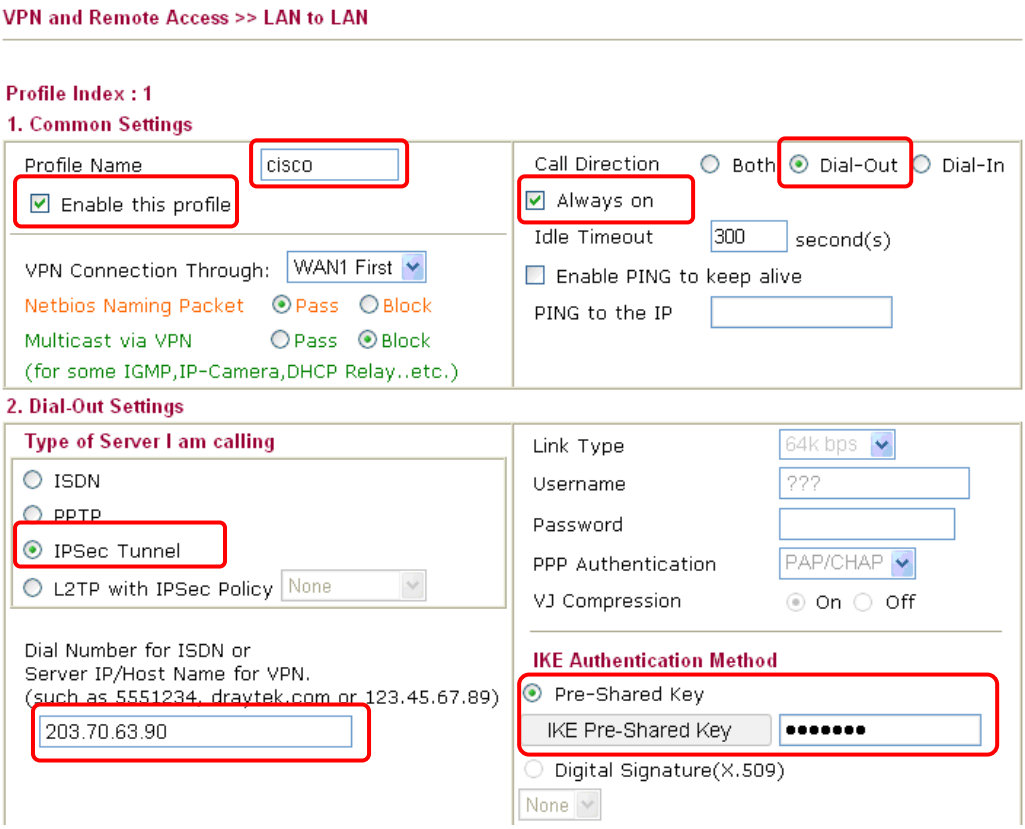


14. Access into the WUI of Vigor router (e.g., Vigor2910).

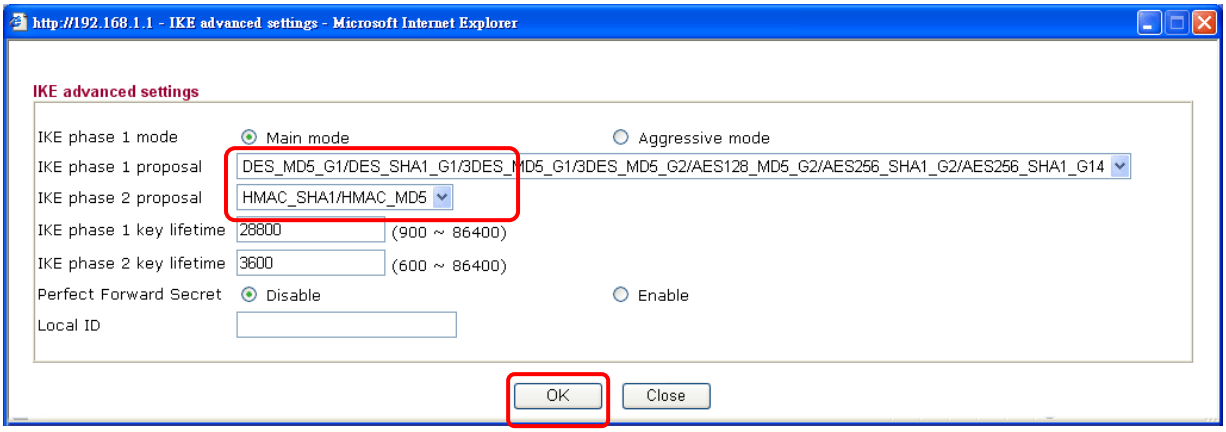
15. Open **VPN and Remote Access>>LAN to LAN**. Click index #1.



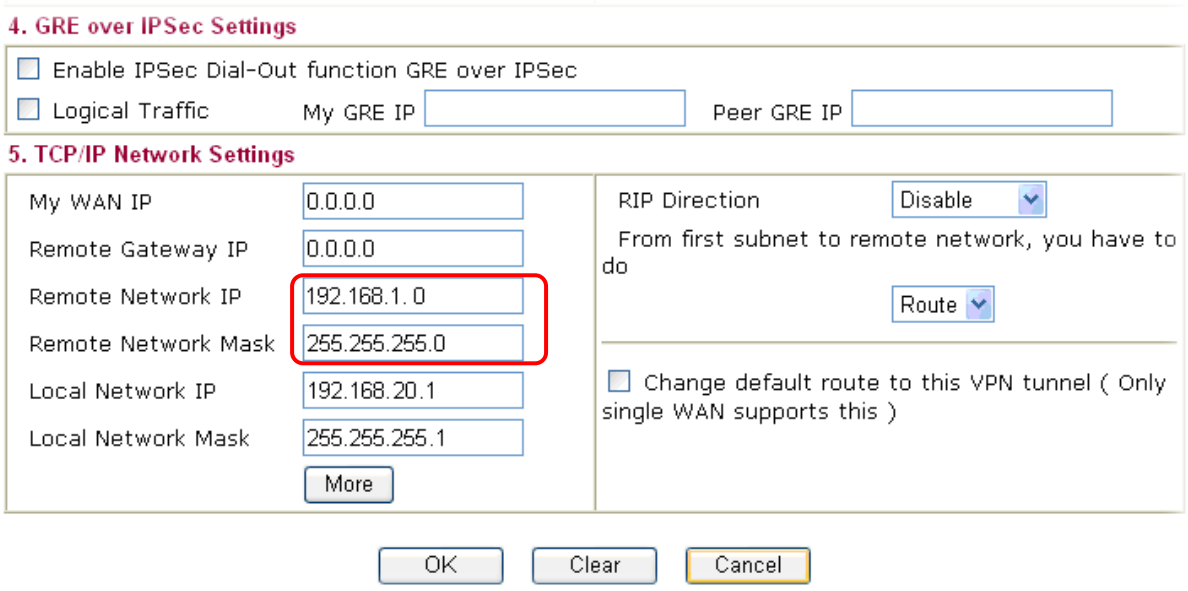
16. Type a name for such profile (e.g, cisco, in this case) and check the box of **Enable this profile**. Click **Dial-Out** as **Call Direction** and check **Always on**. Next, choose **IPSec Tunnel** as the **Type of Server I am calling**. Type the WAN IP address of the Peer (e.g., 203.70.63.90, in this case). Specify a Pre-Shared Key which must be the same as the settings configured in ASA.



17. As for **IPSec Security Method**, choose **High**. Click **Advanced** to open **IKE advanced settings** dialog box. In the dialog, please choose the **IKE phase 1 proposal** and **IKE phase 2 proposal** settings based on the network environment. Next, click **OK** to save the settings and exit the dialog.



18. Type the remote network IP address and subnet mask (e.g., the inside interface of CiscoASA). Then, click **OK**.



19. Now, a LAN to LAN VPN connection between Vigor router and CiscoASA has been established.