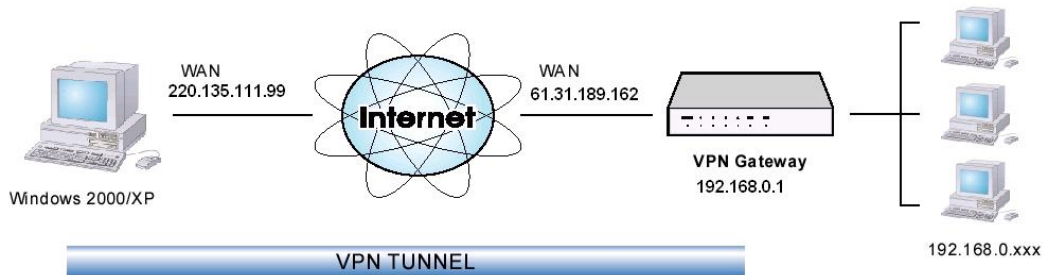




WBR-3460 IPsec VPN vs. Win XP IPsec VPN

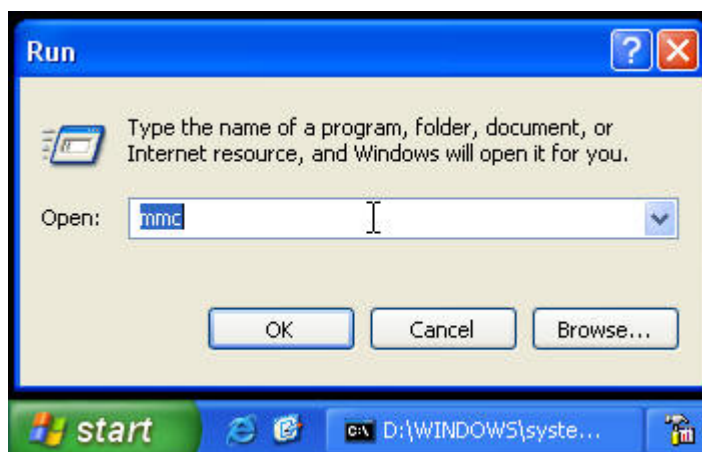
Windows 2000/XP client with public IP connects to WBR-3460 Broadband VPN Gateway and gains access to the local LAN.



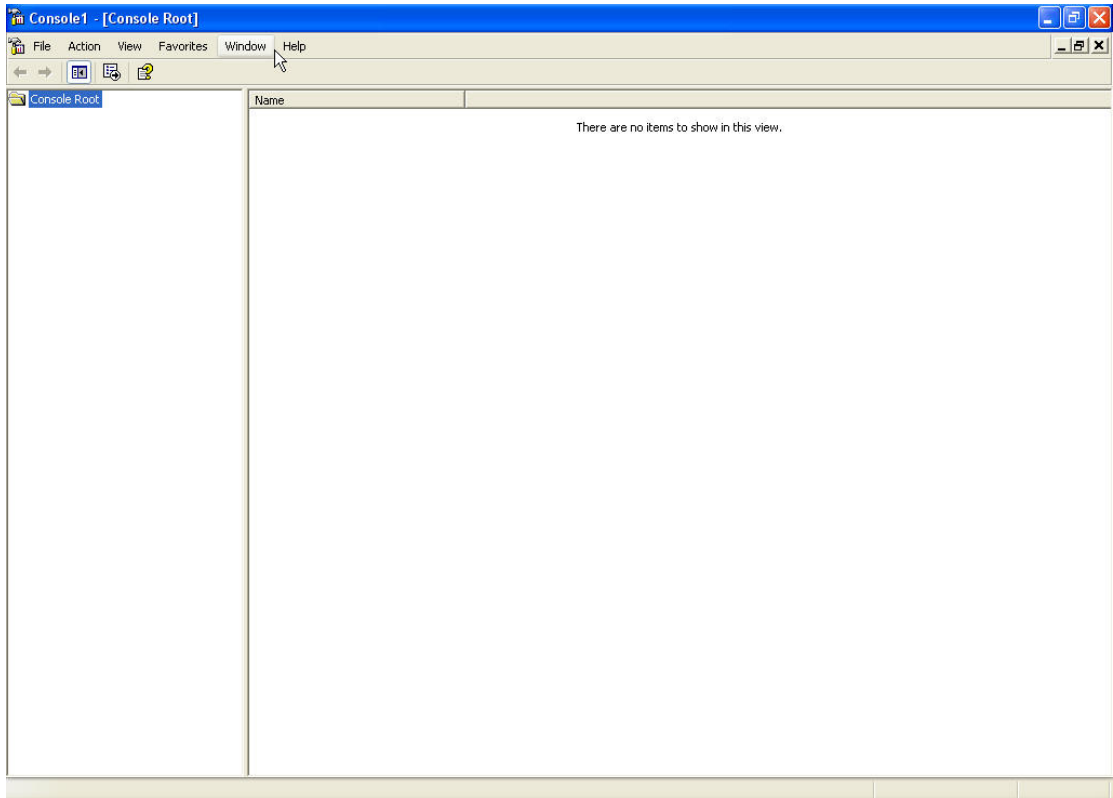
Windows 2000/XP Client to Broadband VPN Gateway

Windows 2000/XP IPsec client configuration can be a little bit confusing for the first time. Basically you will need to create an IP Sec security policy in Windows and set both “way to the router” and “back from the router”. Below is a step by step guidance.

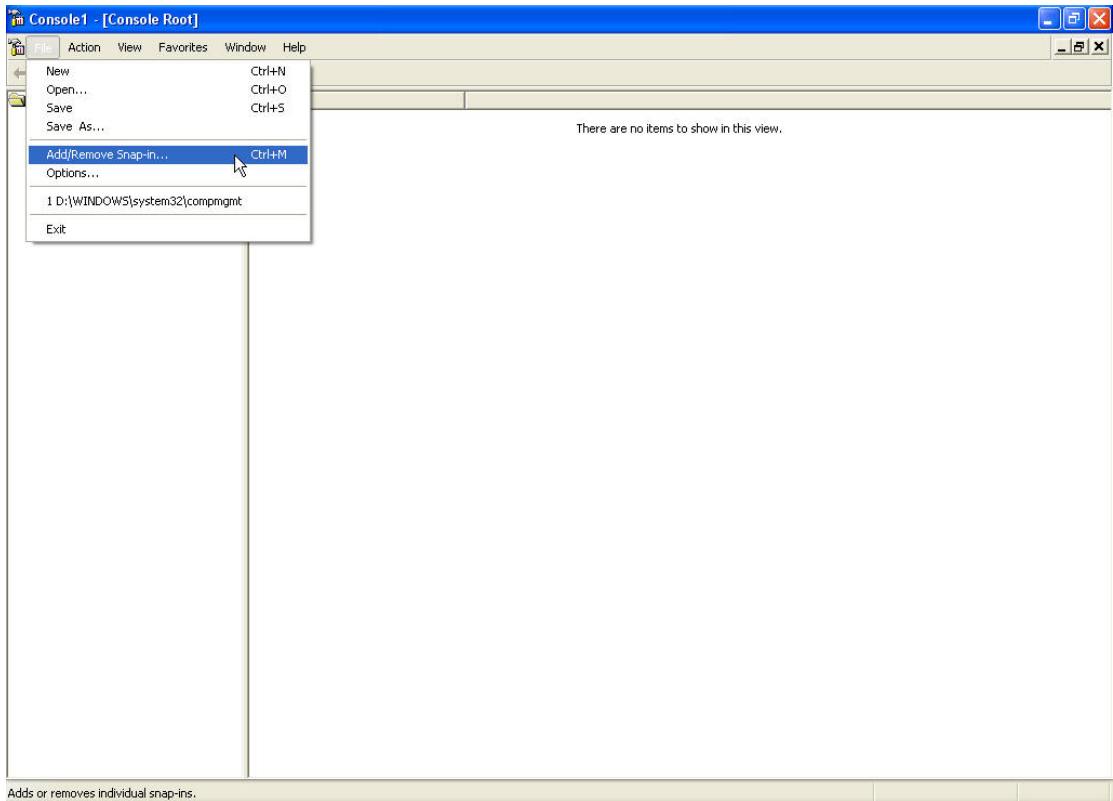
1. Start → Run → <mmc>



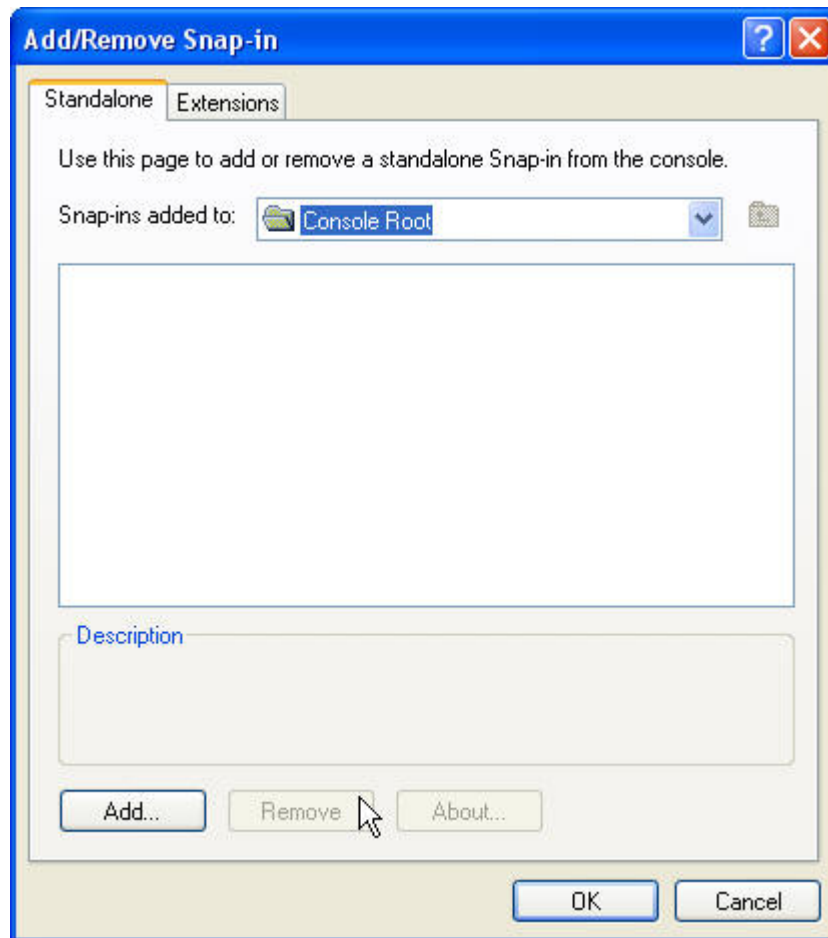
2. You should see the console screen.



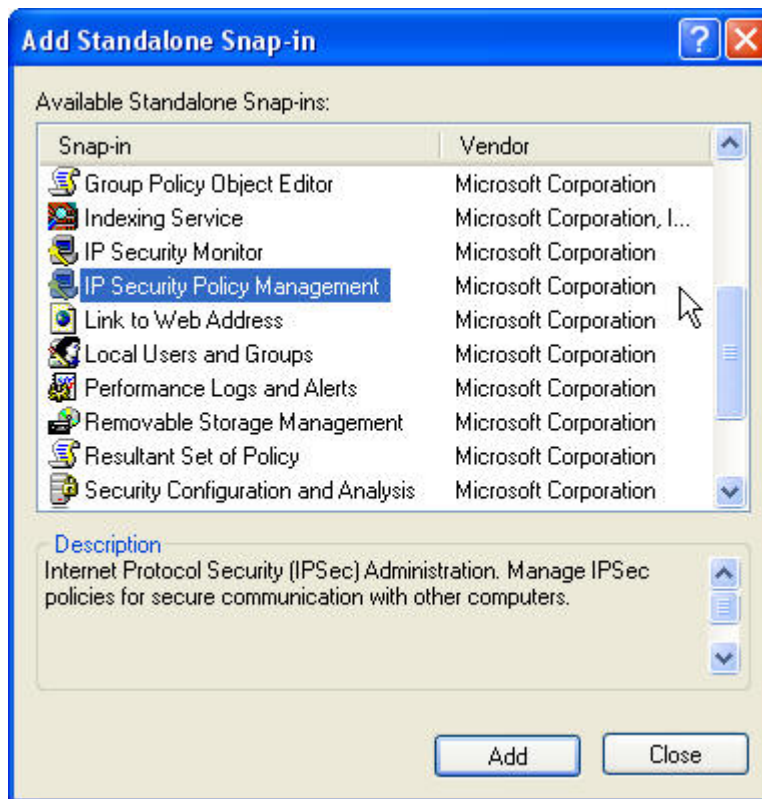
3. Under file, select "Add/Remove Snap-in".



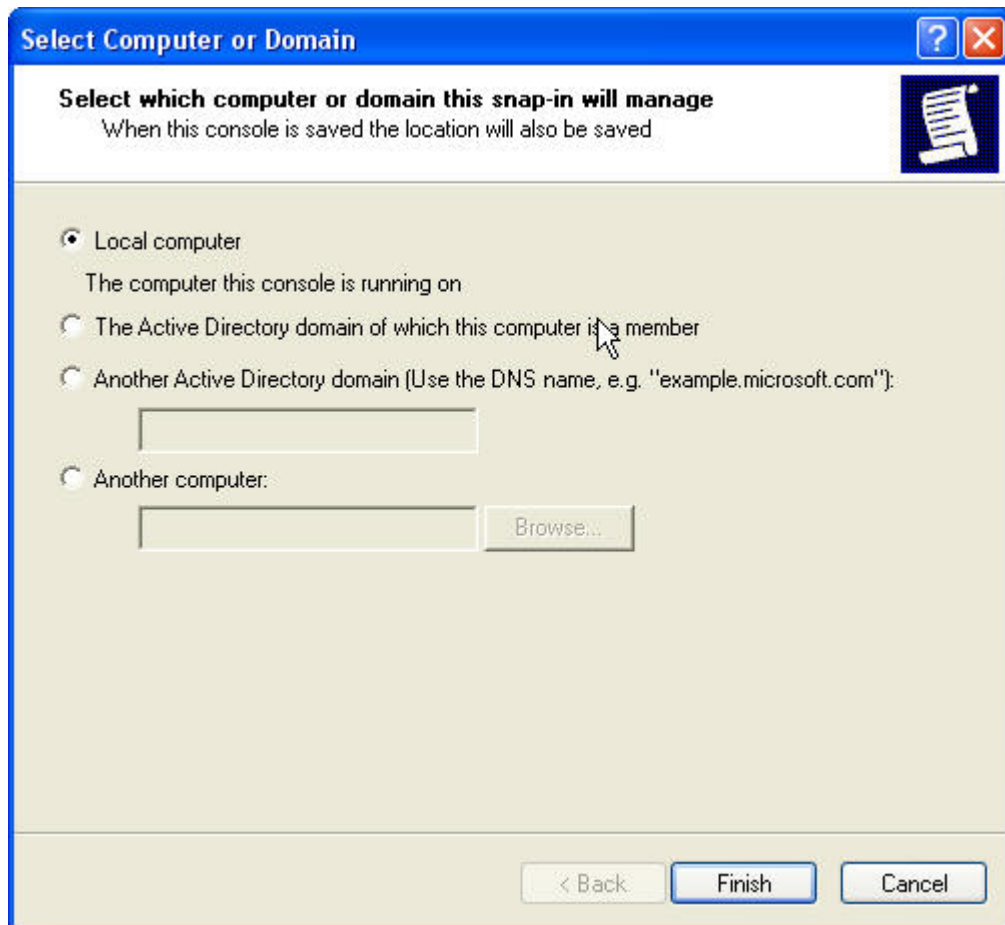
4. Click on "Add".



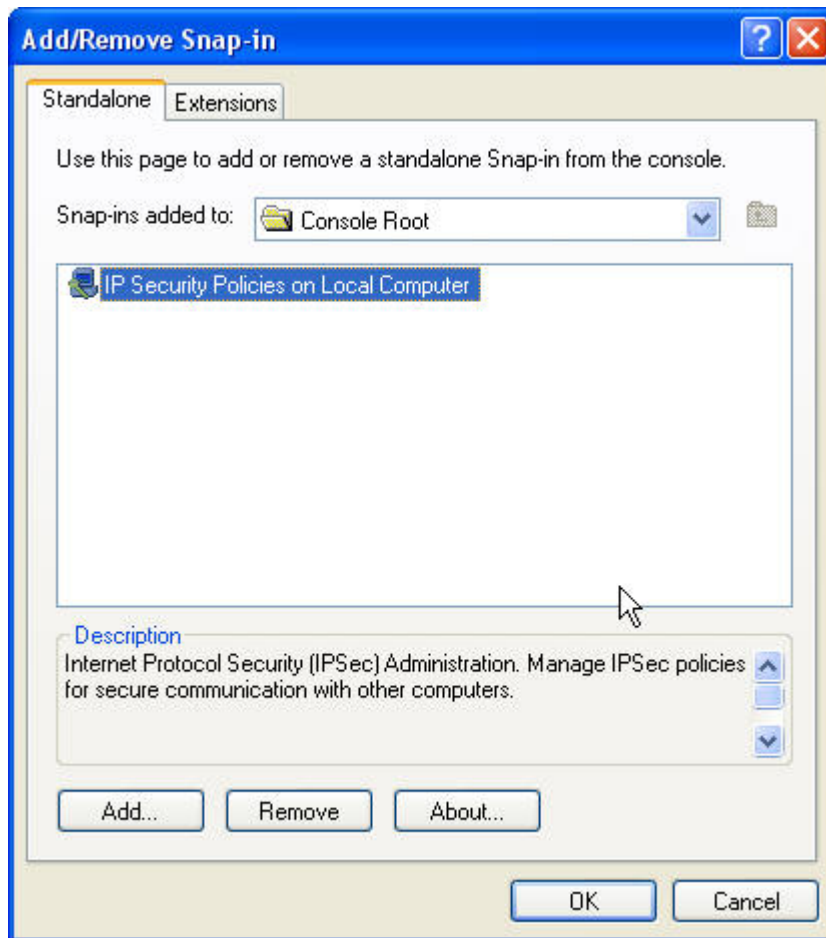
5. Select "IP Security Policy Management".



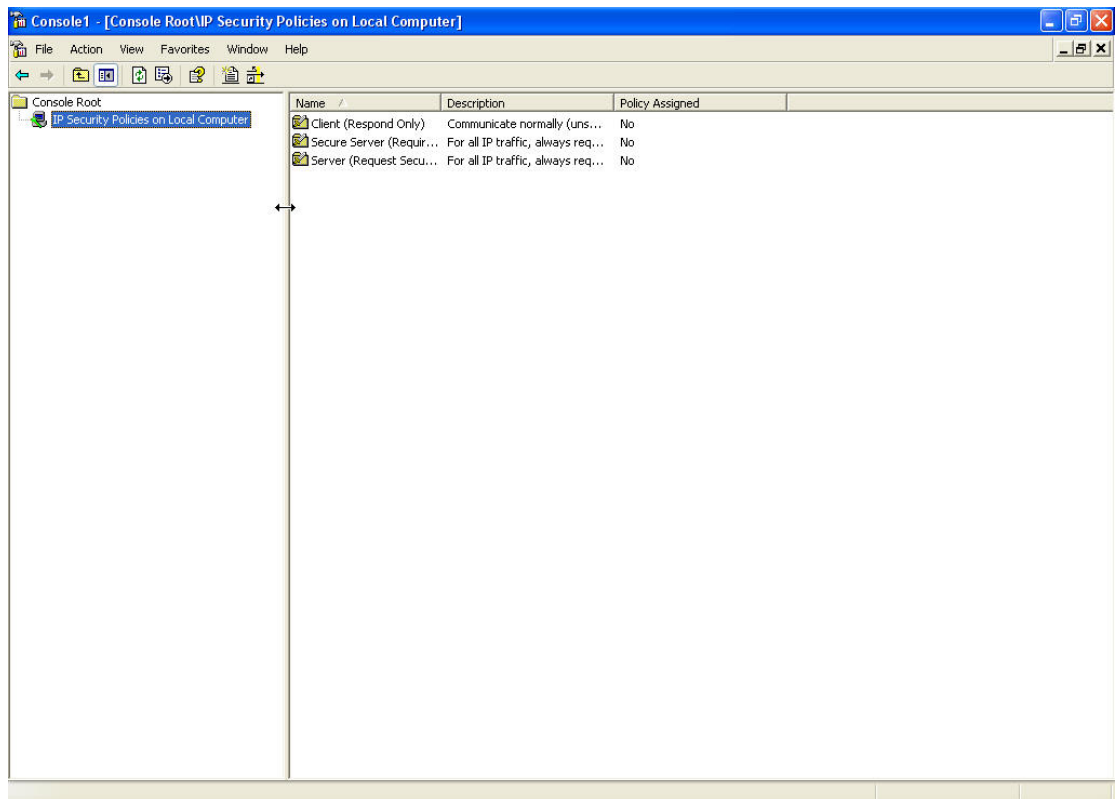
6. Select "Local Computer" then finish.



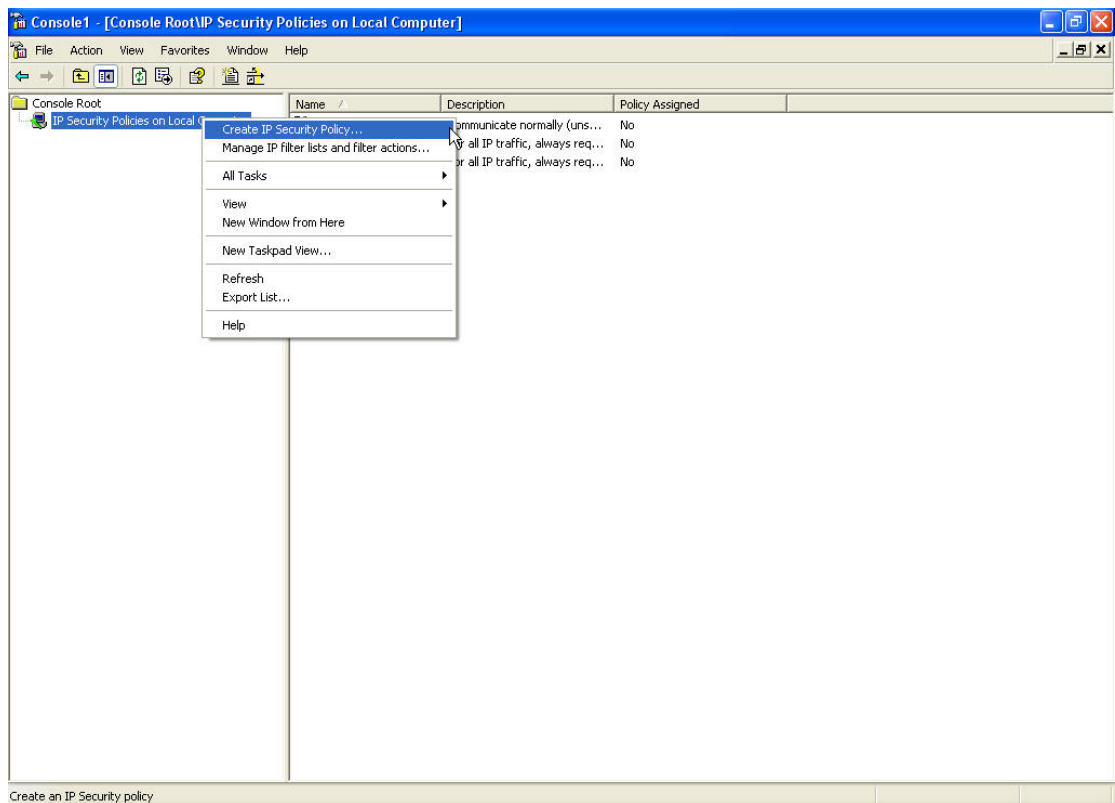
7. Click on "Add".



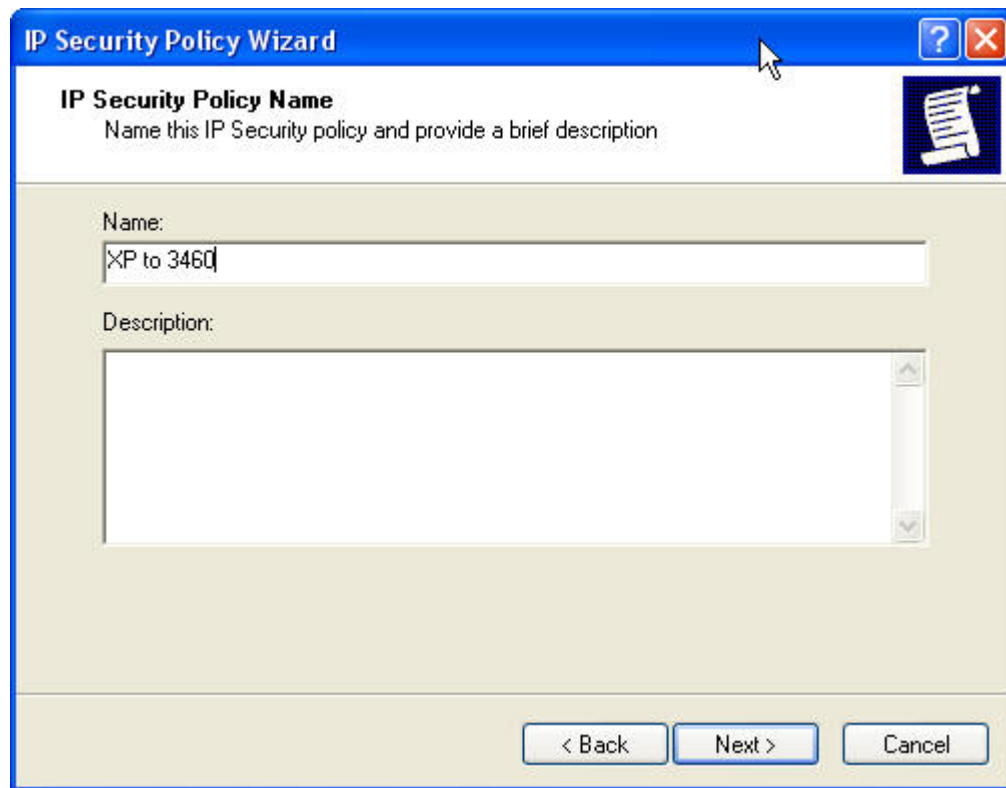
8. You will see the console screen with security policy added.



9. Right click on IP Security Policy on Local Computer → Create IP Security Policy.

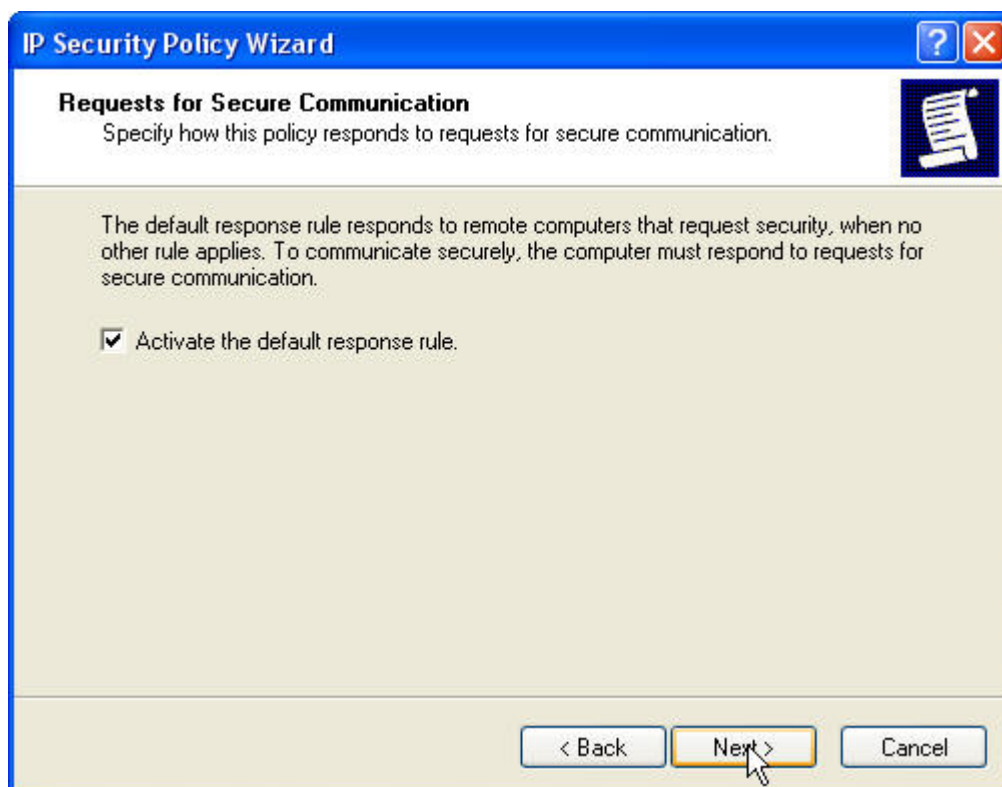


10. Please name the policy.

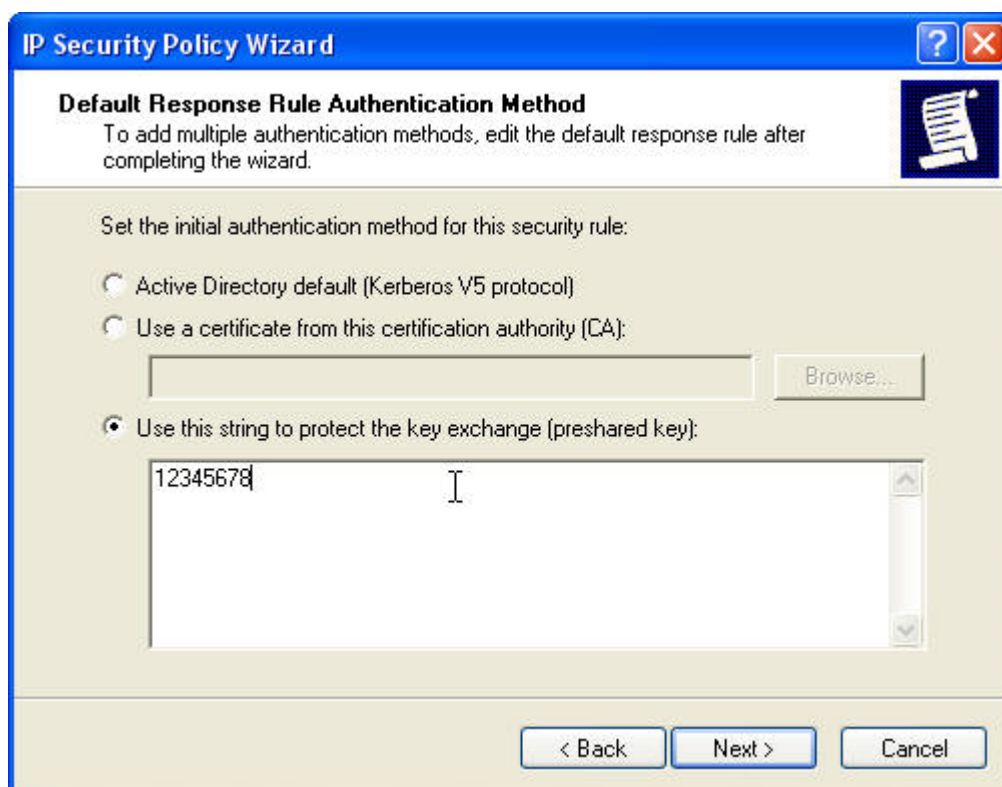


The image shows a screenshot of the "IP Security Policy Wizard" dialog box. The title bar is blue and contains the text "IP Security Policy Wizard" along with a help icon (question mark) and a close icon (red X). The main area has a white background with a blue header section containing the text "IP Security Policy Name" and "Name this IP Security policy and provide a brief description". Below this, there is a "Name:" label followed by a text input field containing "XP to 3460". Underneath is a "Description:" label followed by a large, empty text area with a vertical scrollbar on the right. At the bottom of the dialog, there are three buttons: "< Back", "Next >", and "Cancel".

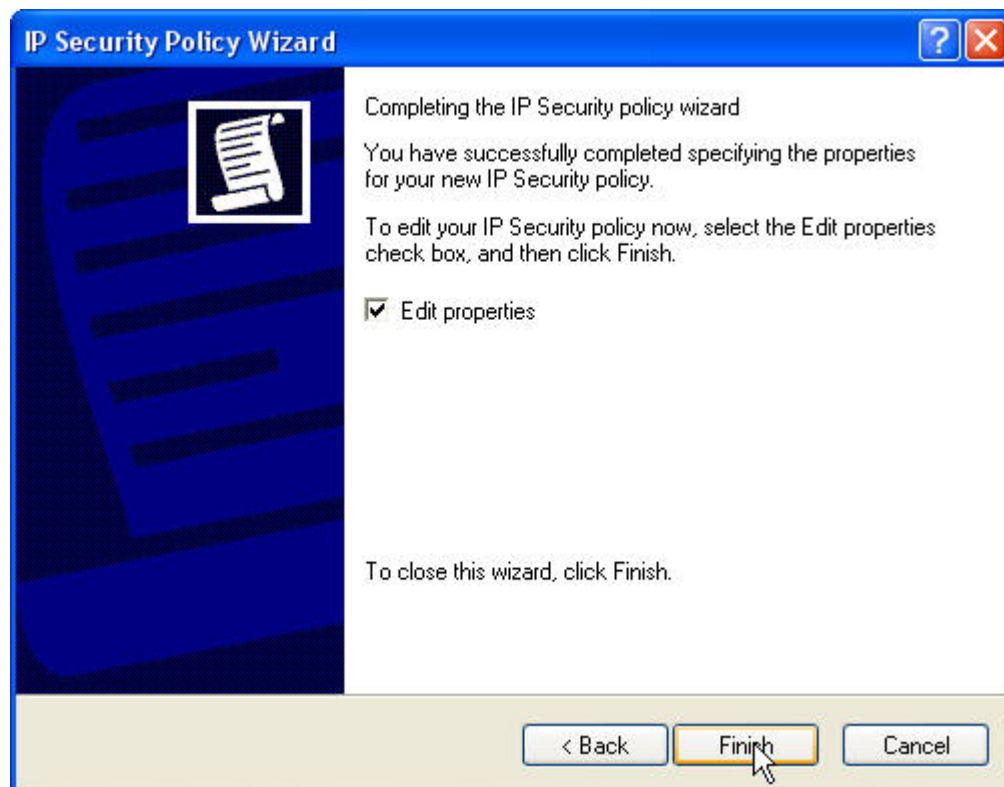
11. Next.



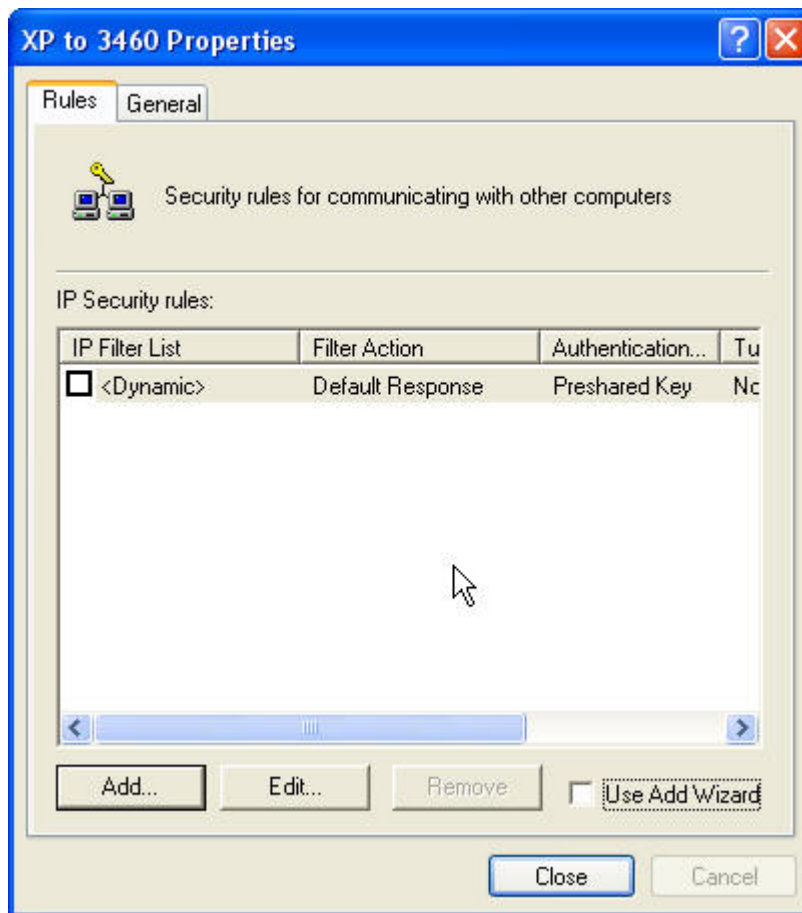
12. Use the Preshared Key, in this example we use "12345678".



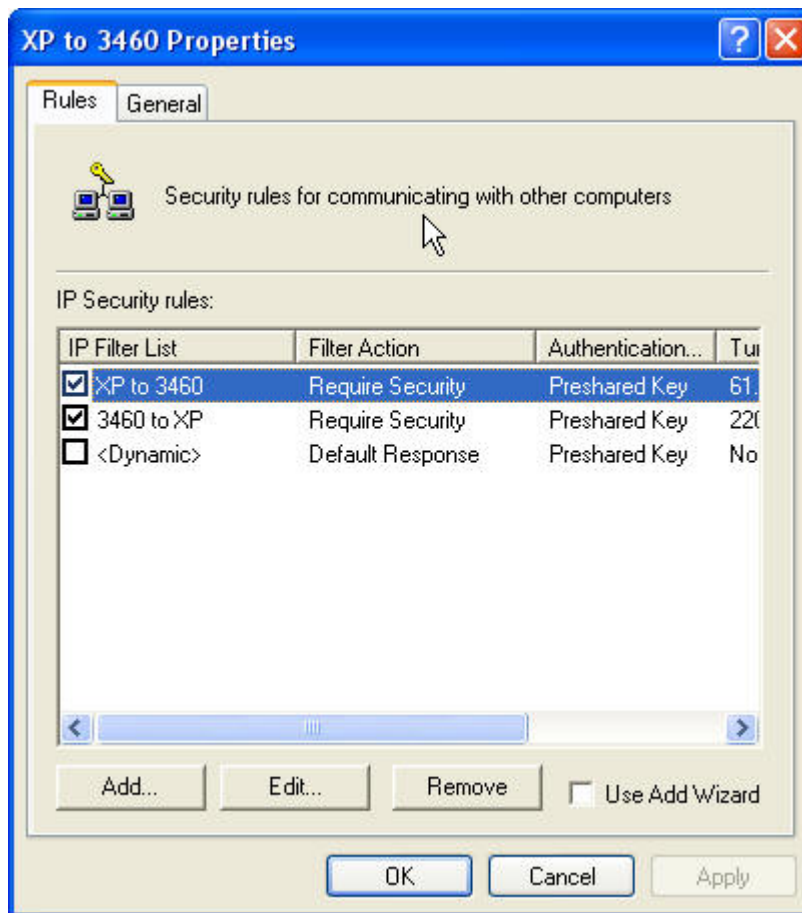
13. Click on Finish.



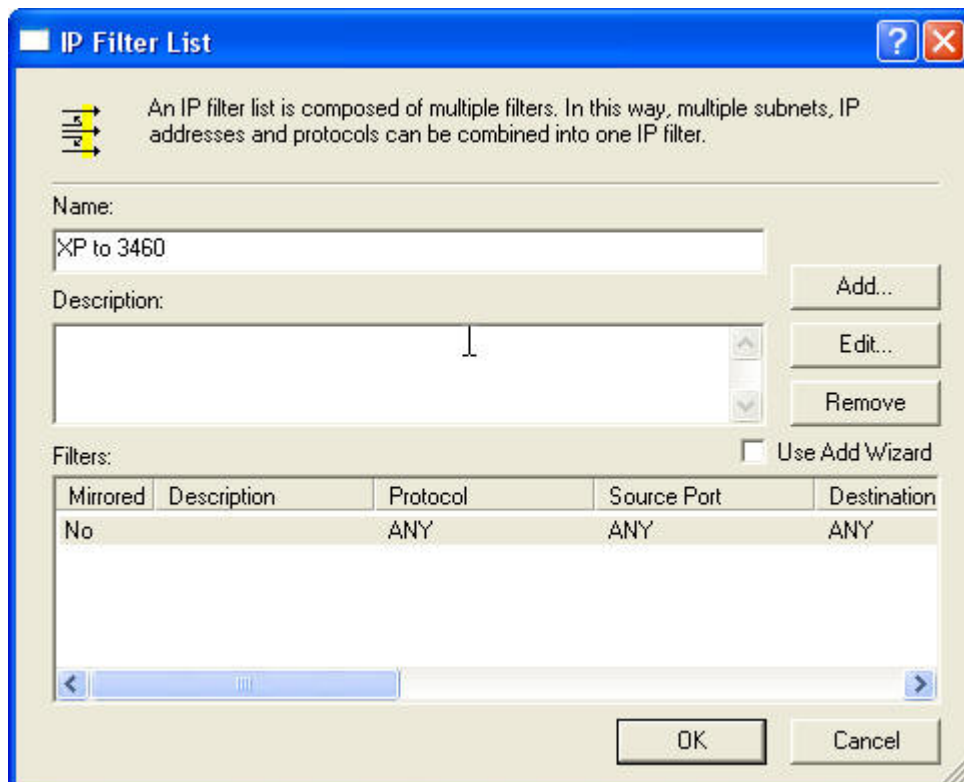
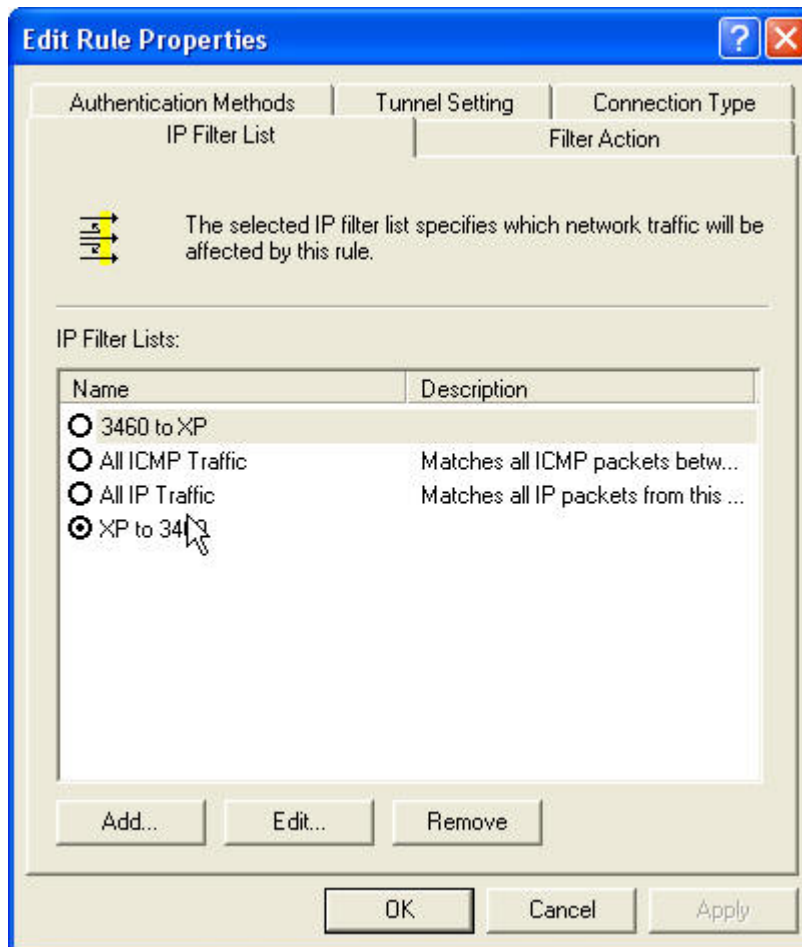
14. In this screen, please disable “use add wizard” and “dynamic”. Then click on add button.



15. From this step, the snapshots show the finished setting. Please follow the same configuration as shown. You will need to create XP to 3460 and 3460 to XP 2 policies.



16. We can start with XP to 3460 first. Please configure as shown below.



Filter Properties [?] [X]

Addressing | Protocol | Description

Source address: [My IP Address]

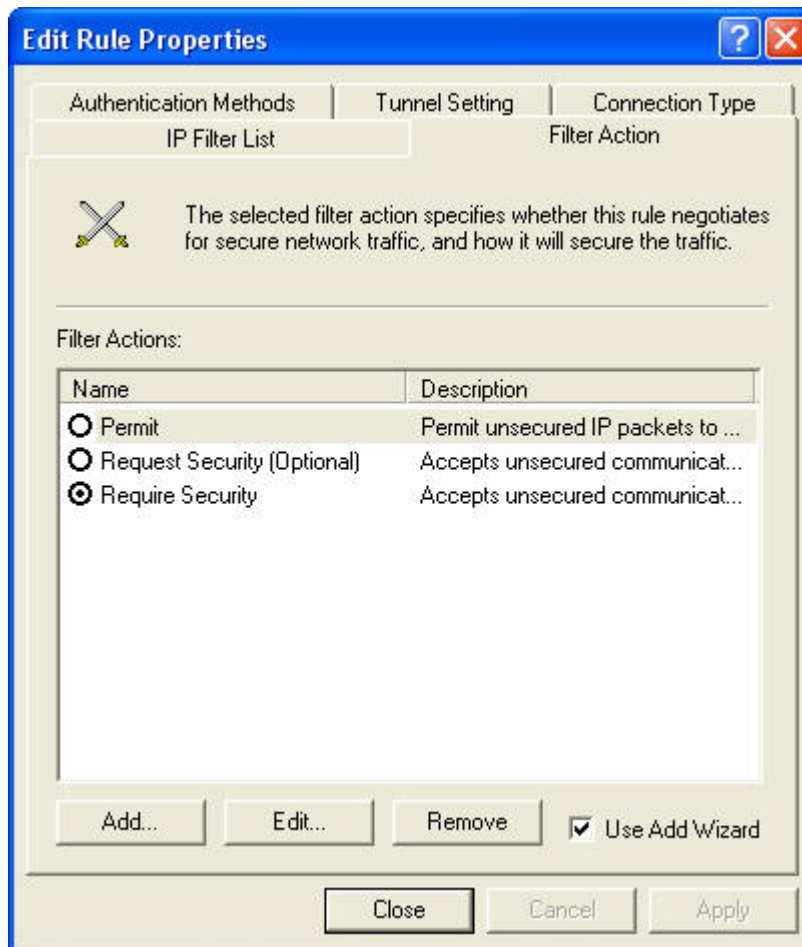
Destination address: [A specific IP Subnet]

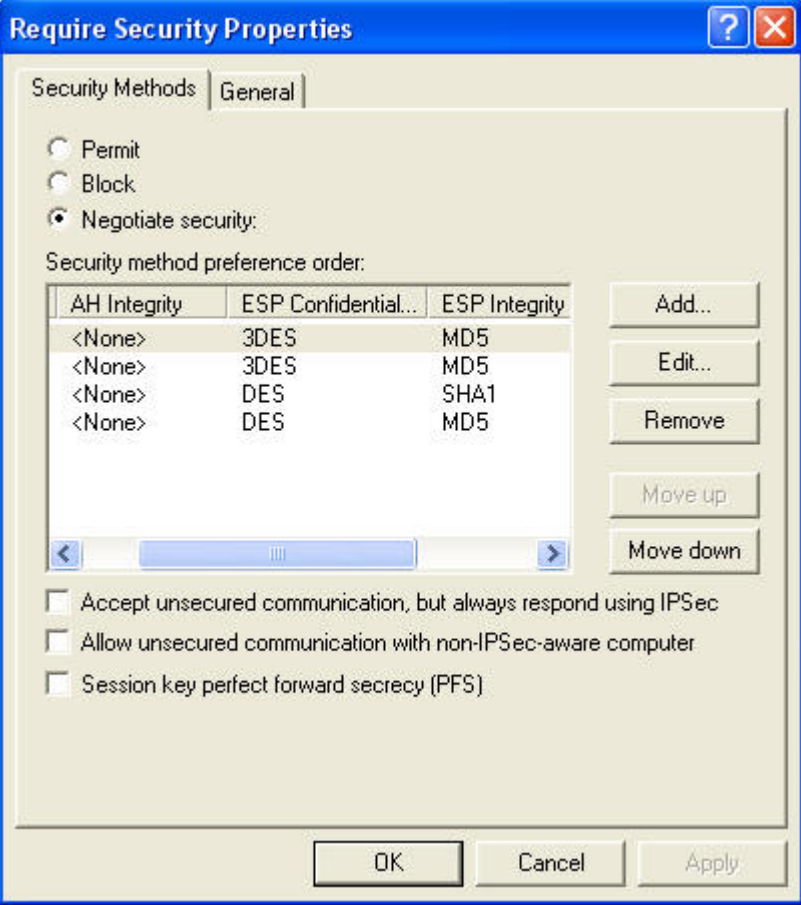
IP address: 192 . 168 . 0 . 0

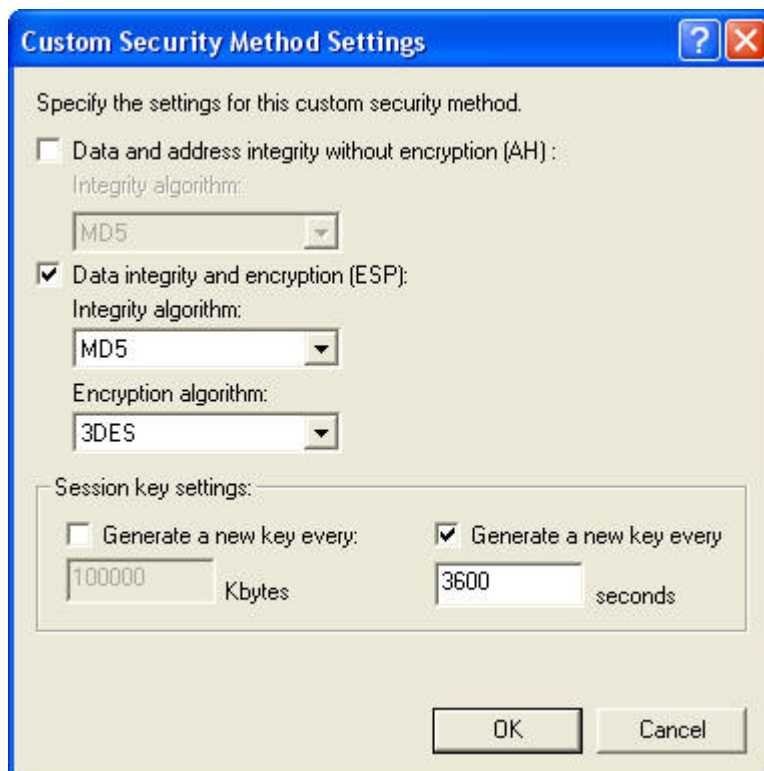
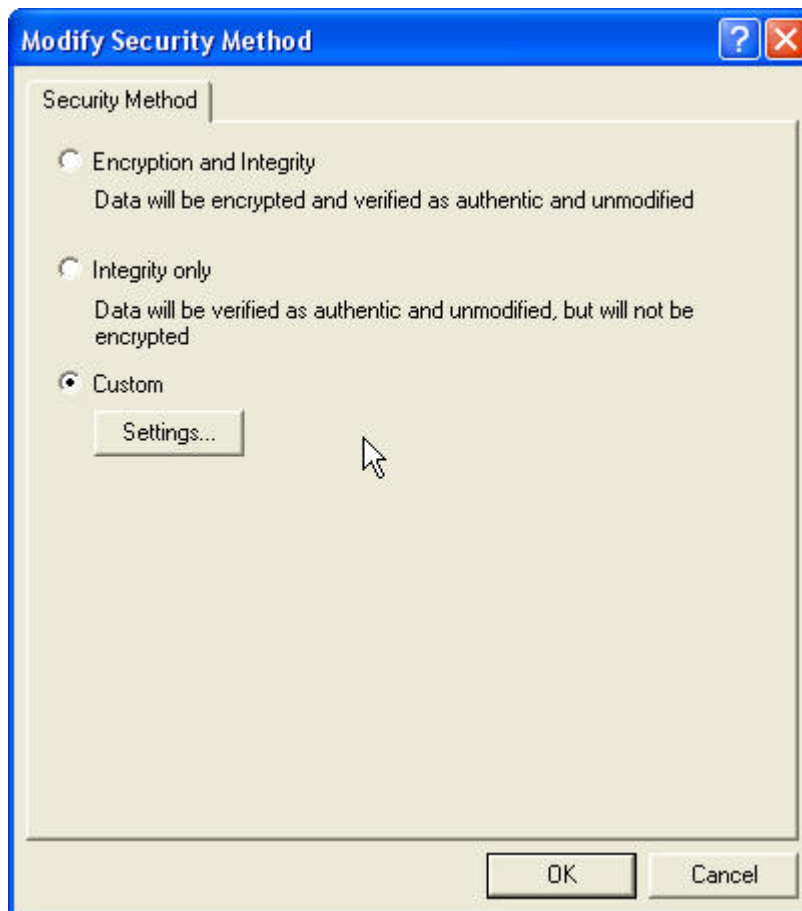
Subnet mask: 255 . 255 . 255 . 0

Mirrored. Also match packets with the exact opposite source and destination addresses.

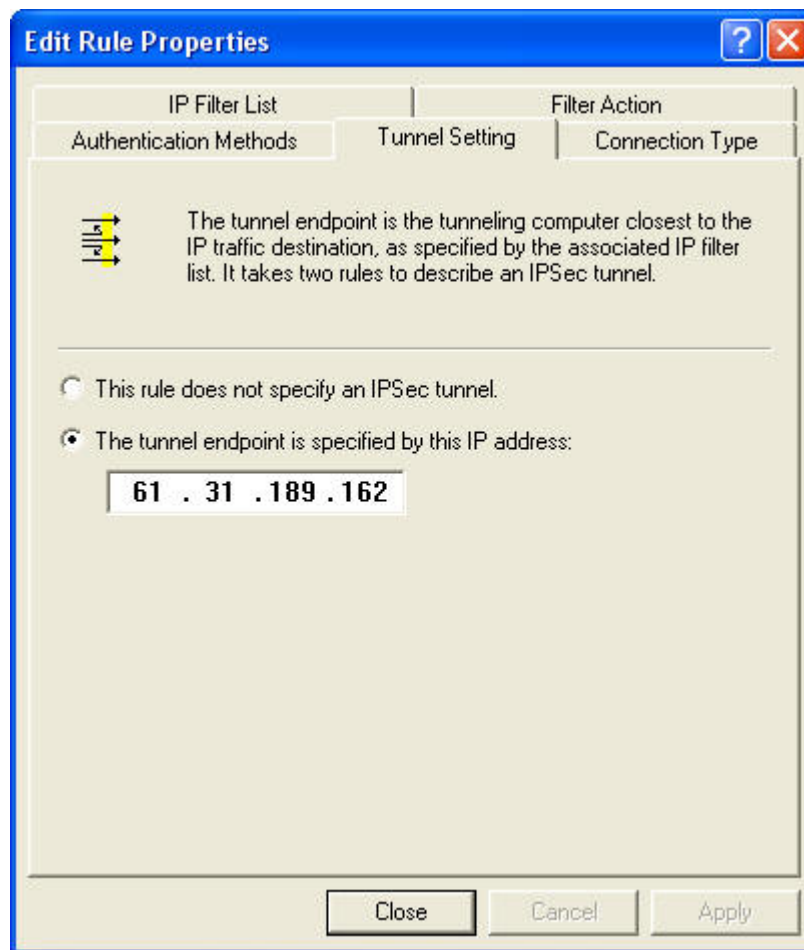
OK Cancel

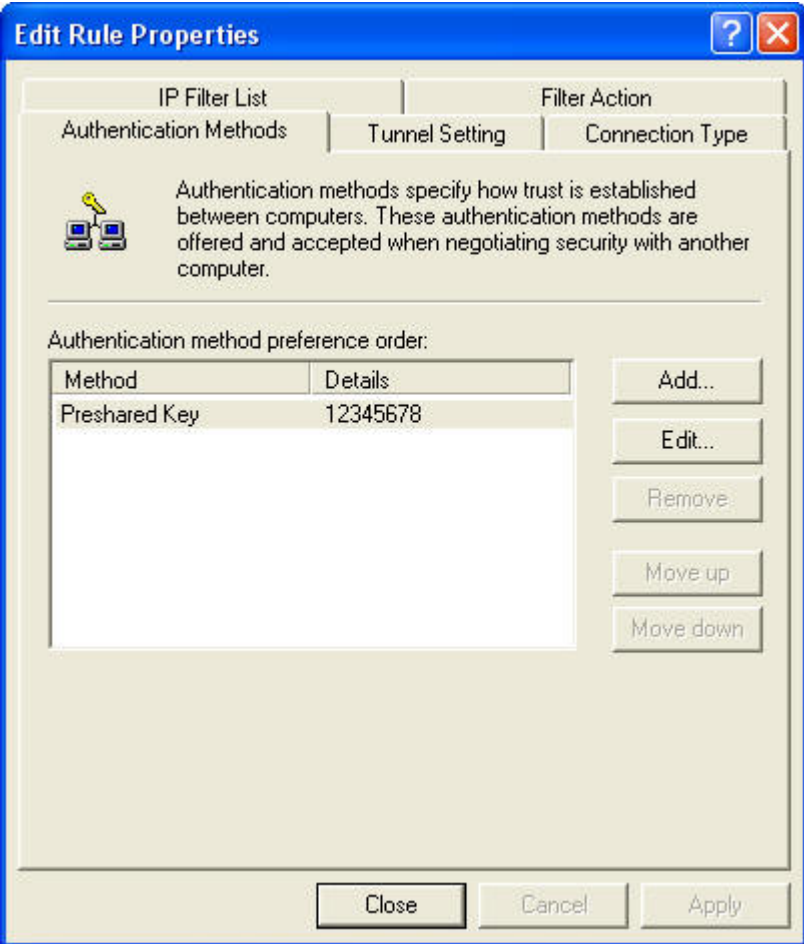


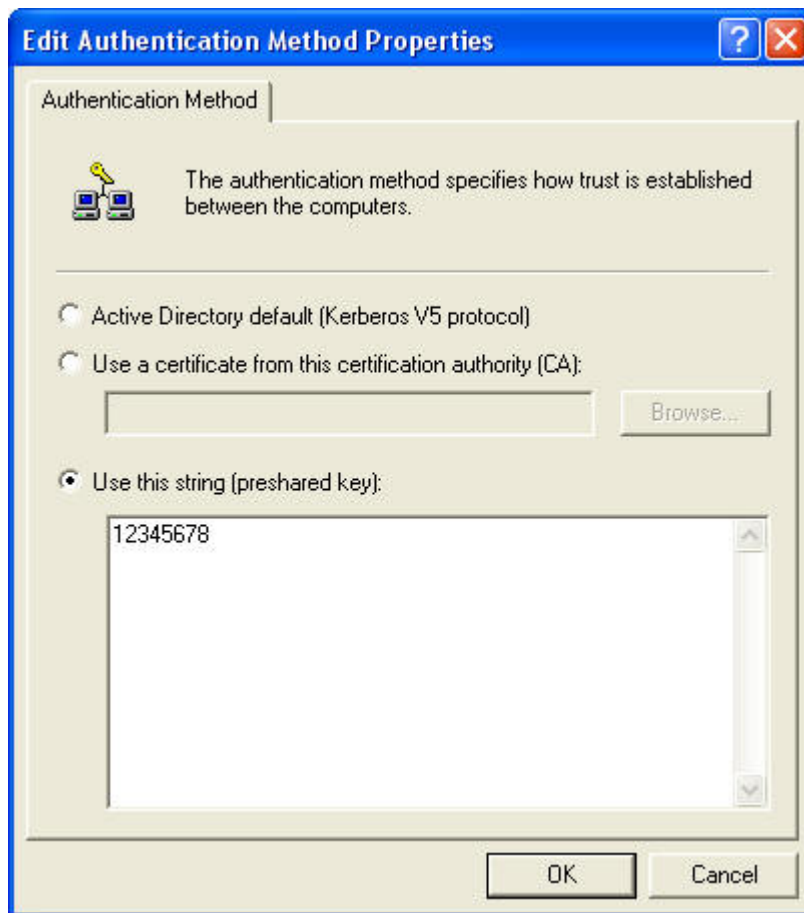




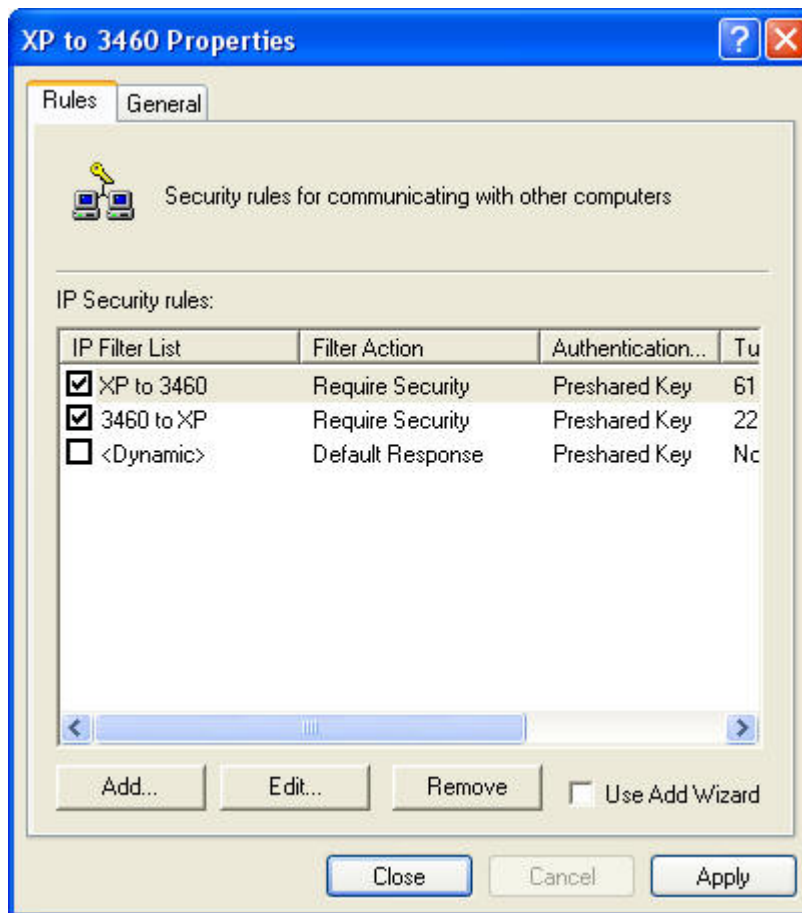
17. The end point is the WAN IP address of WBR-3460.



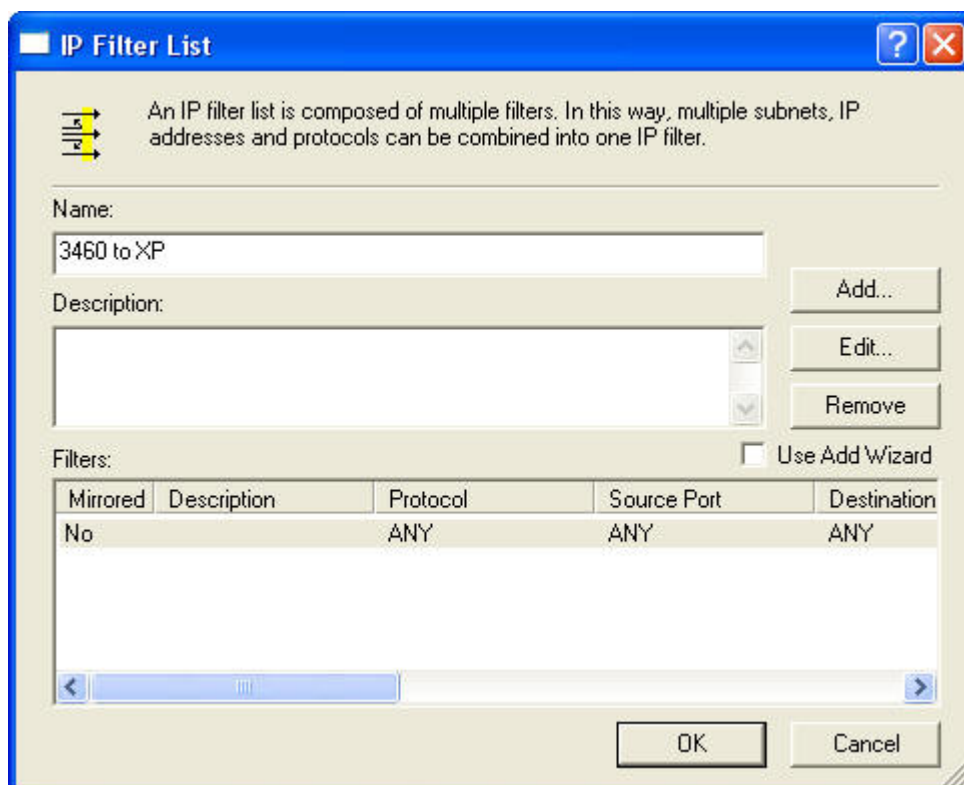
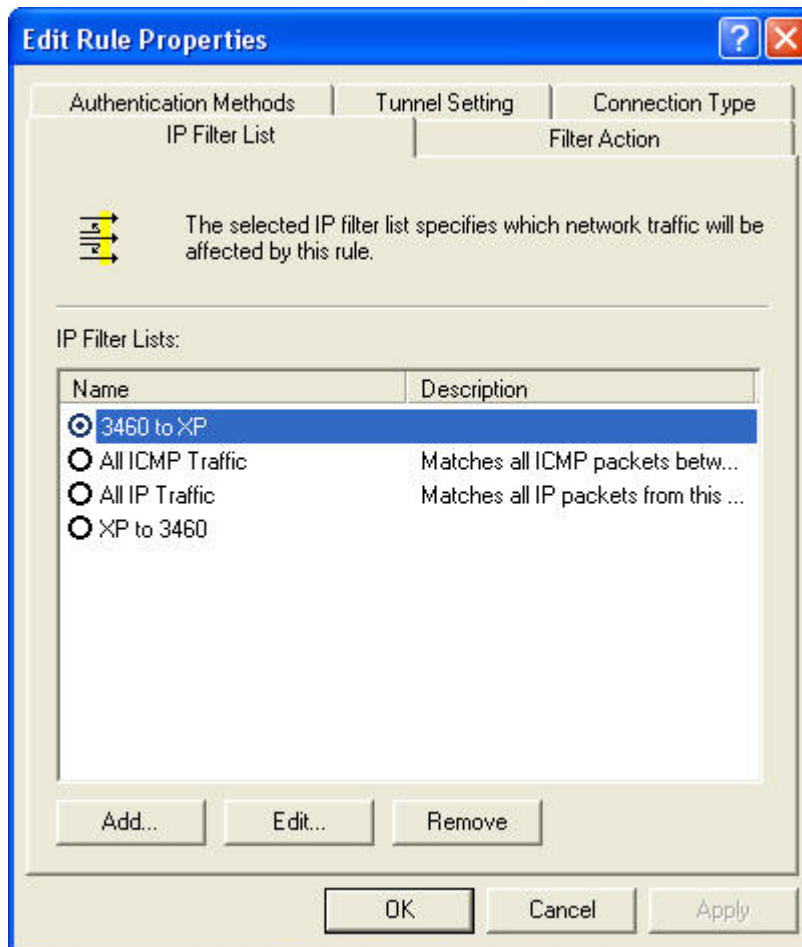


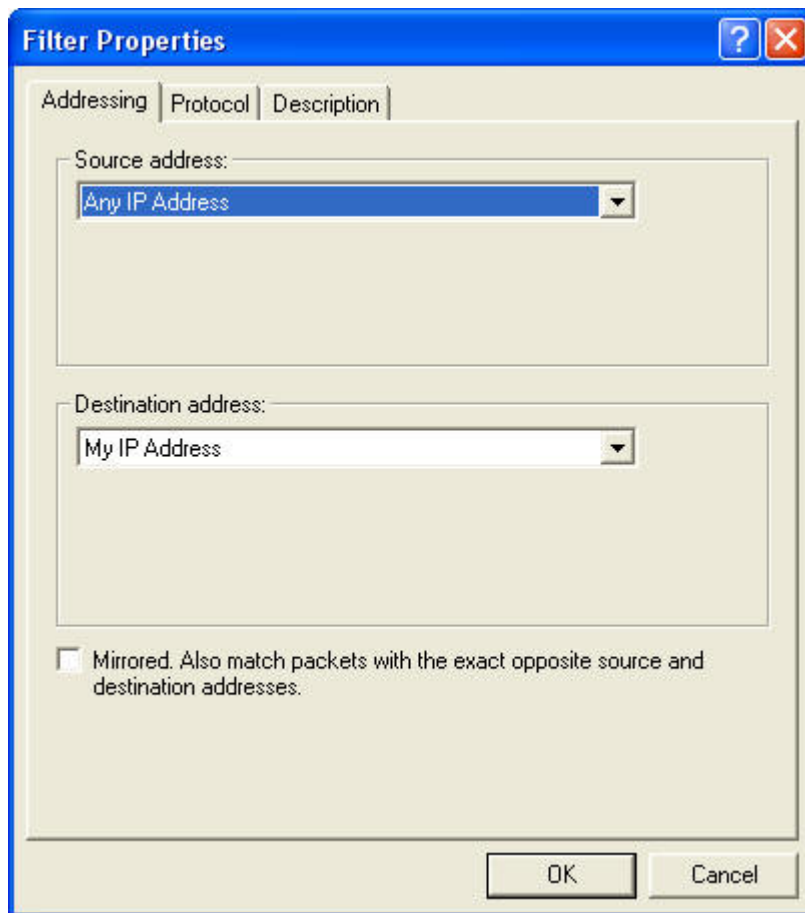


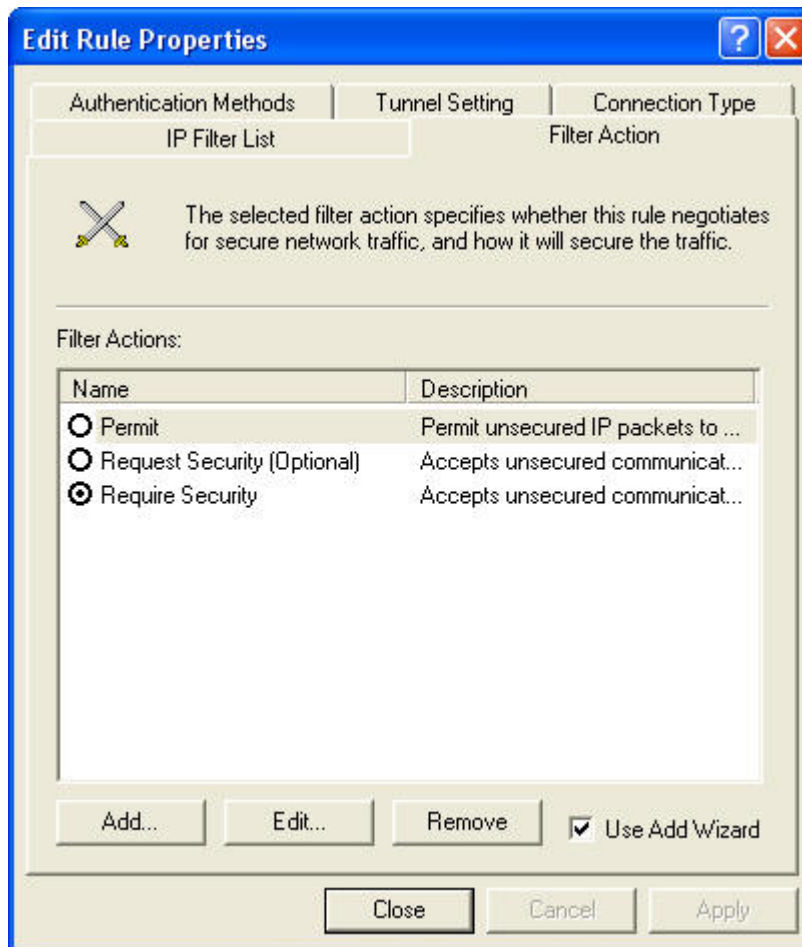
18. Finish XP to 3460.

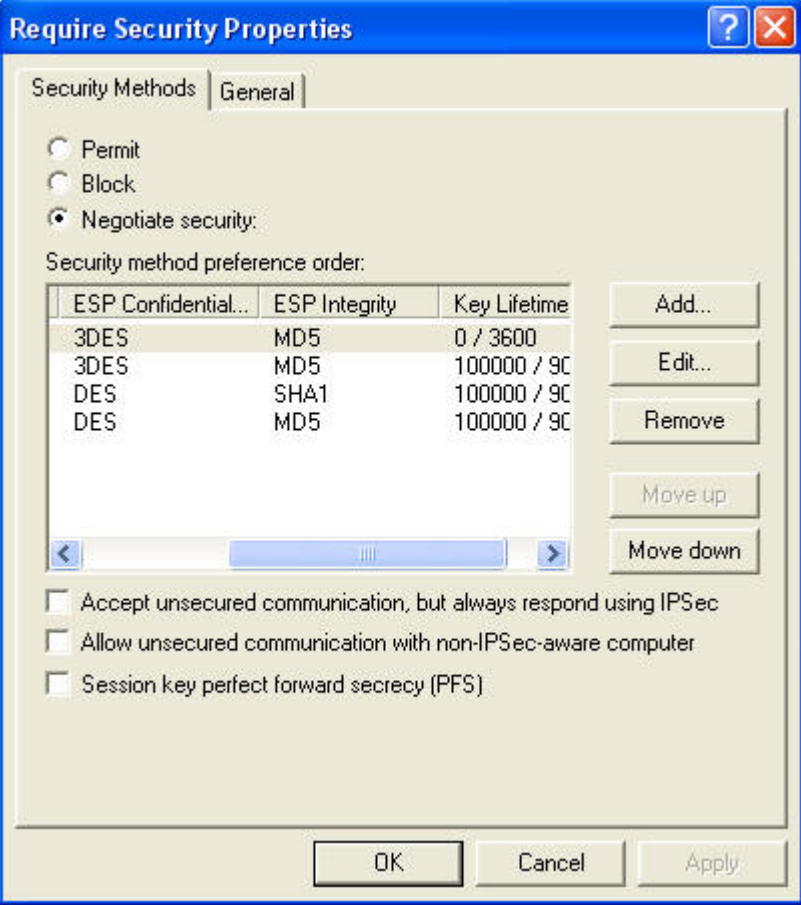


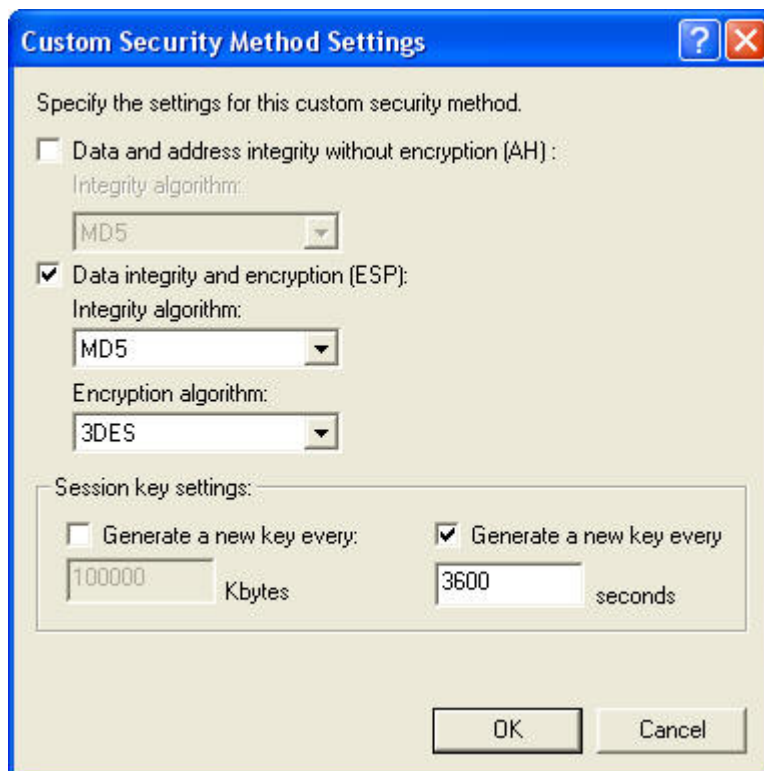
19. Configure 3460 to XP.



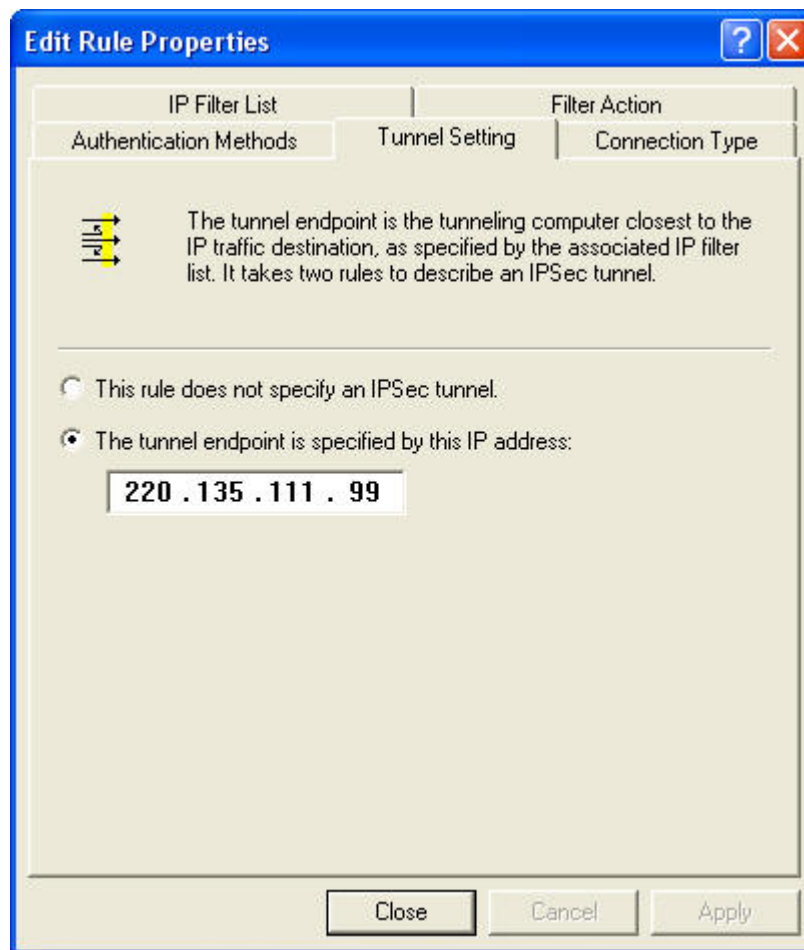


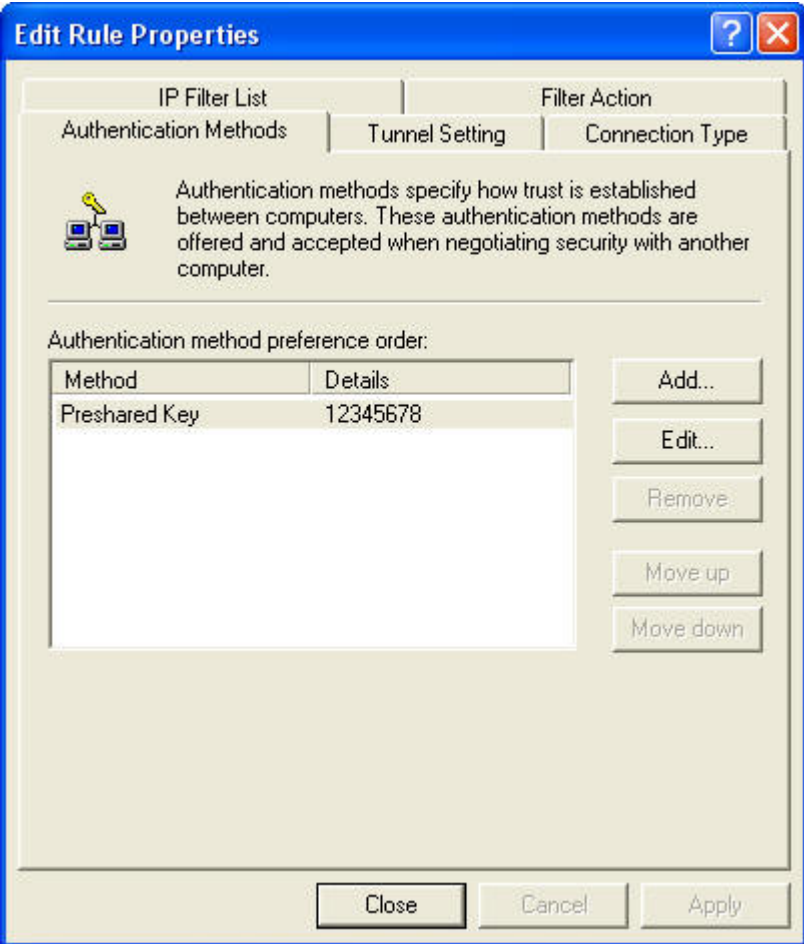


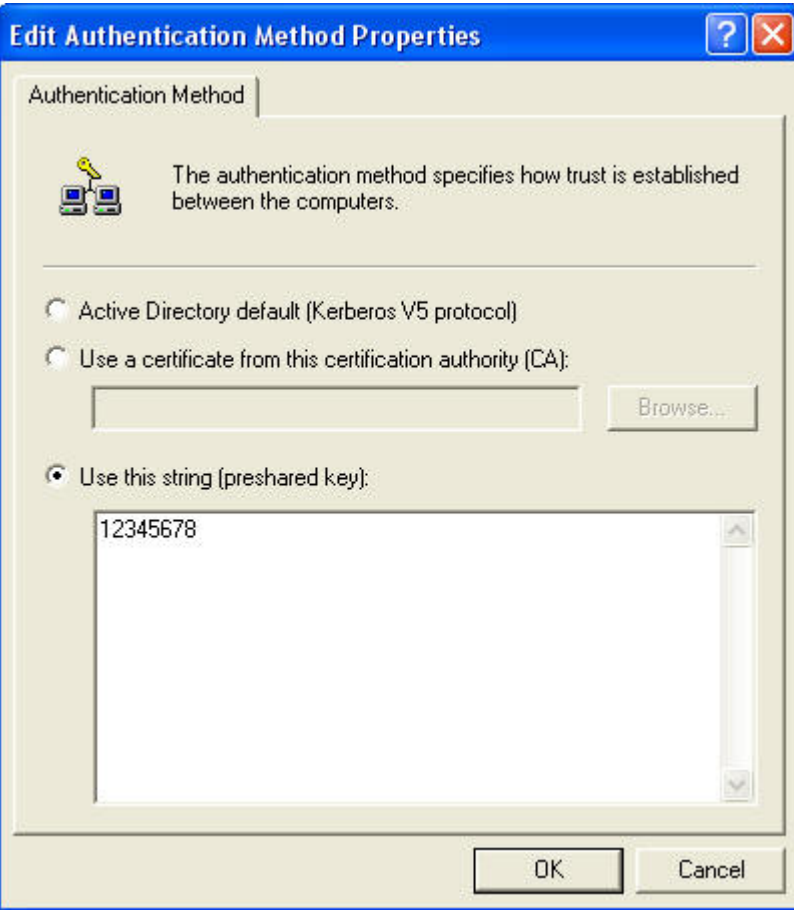


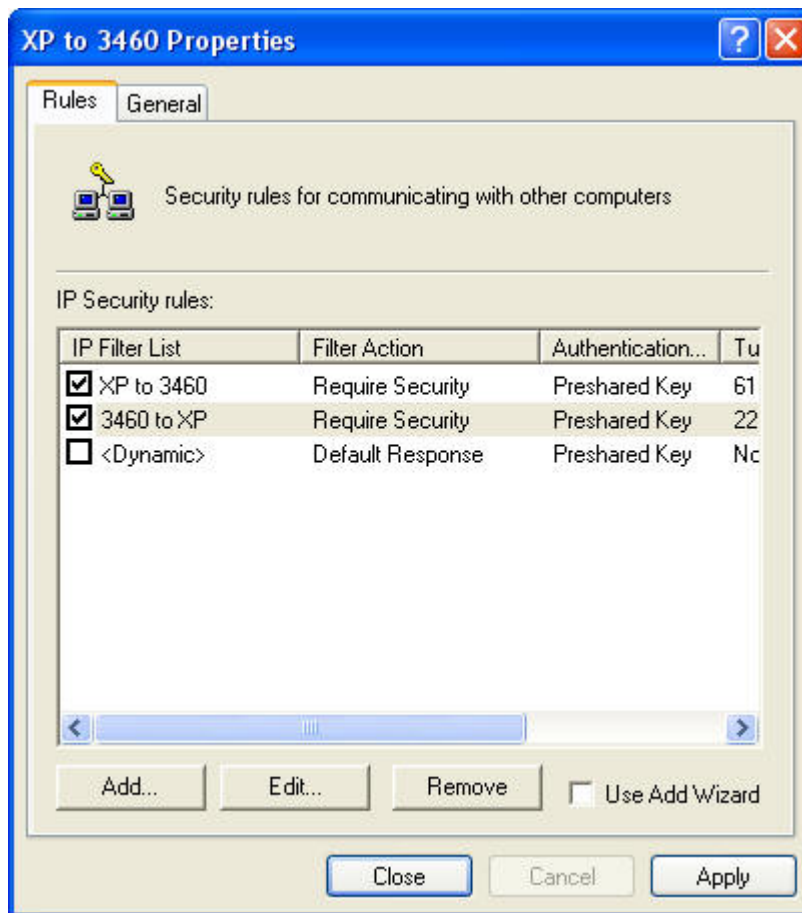


20. The end point is the WAN IP address of Windows 2000/XP.

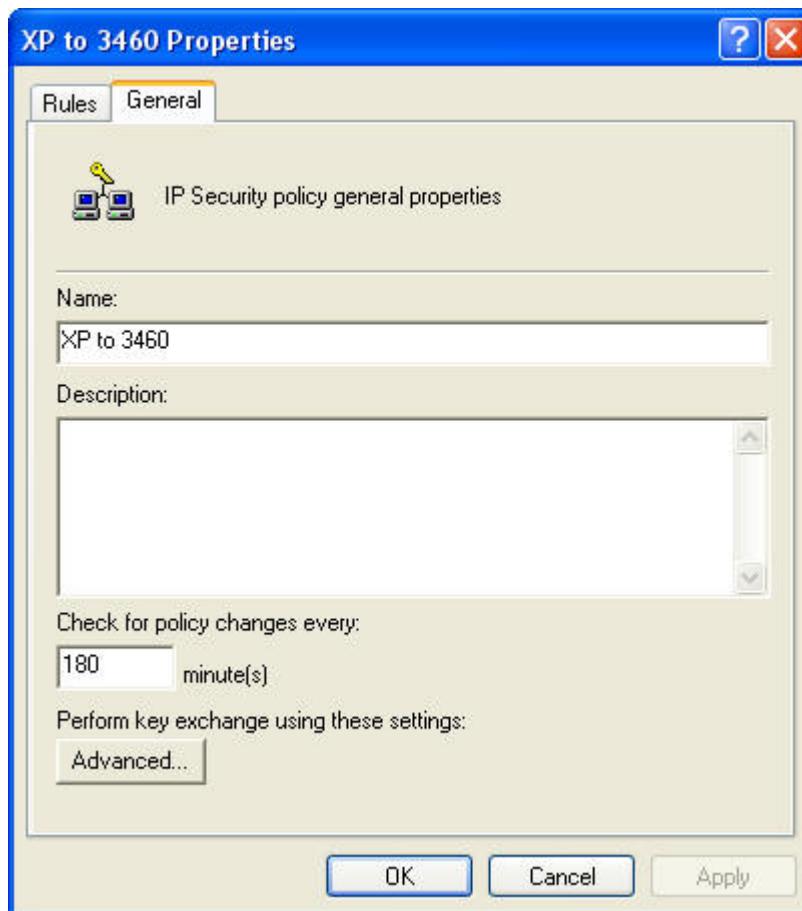






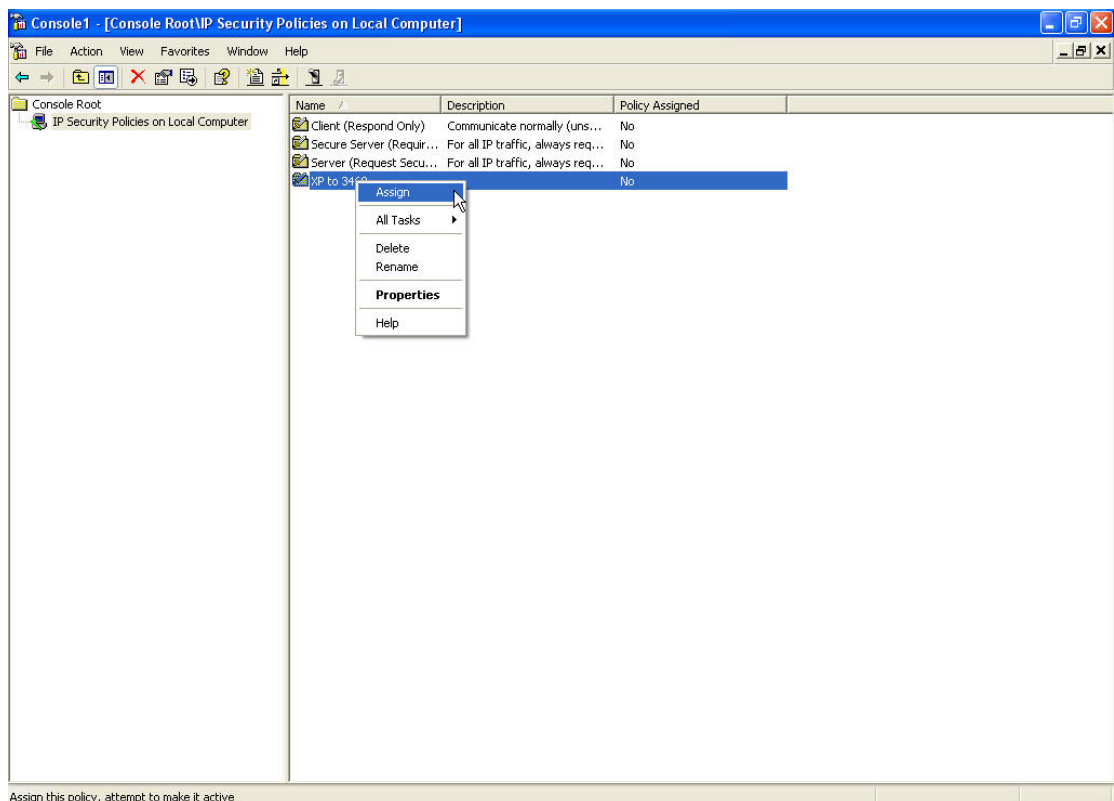


21. Click on General Tab. Configure as below.



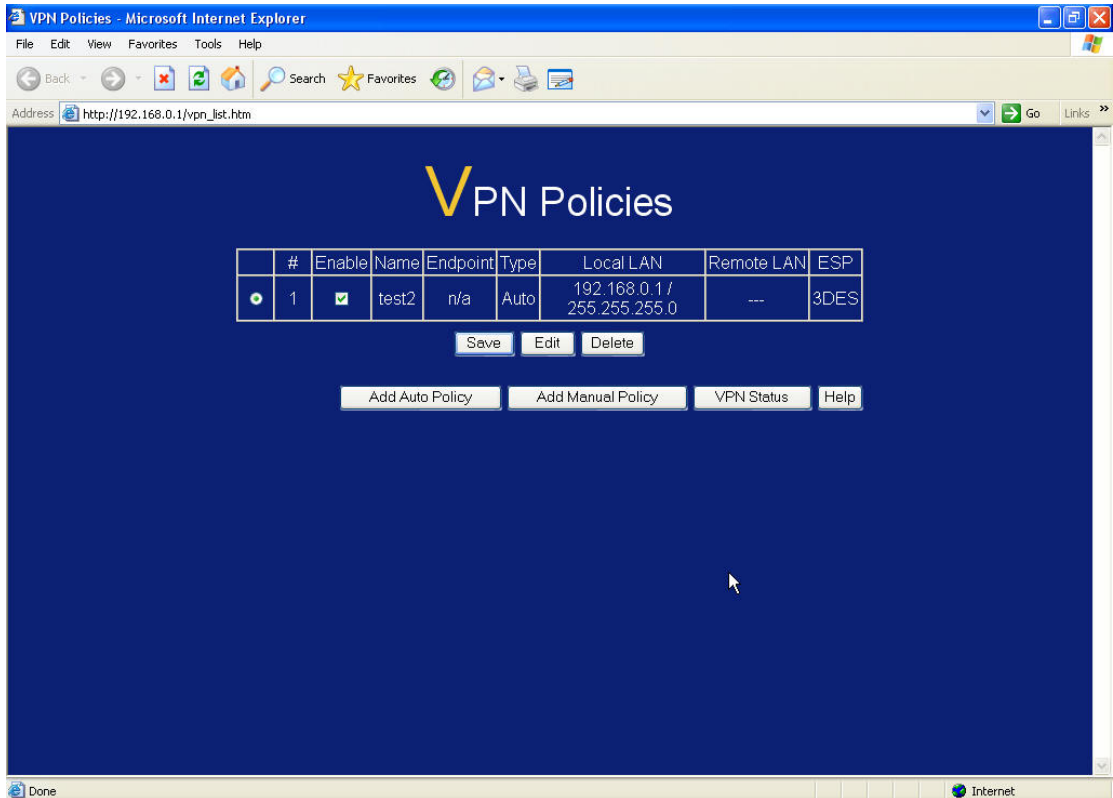


22. Once complete, return to the console screen, right click on the policy and select "assign" to activate.



Below is the sample configuration for WBR-3460 VPN server

23. Please do not forget to enable the VPN tunnel.



24. Sample configuration of WBR-3460 VPN.

General Policy Name: test2

Remote VPN Endpoint
 Address Type: Dynamic IP address
 Address Data: n/a

NetBIOS Enable

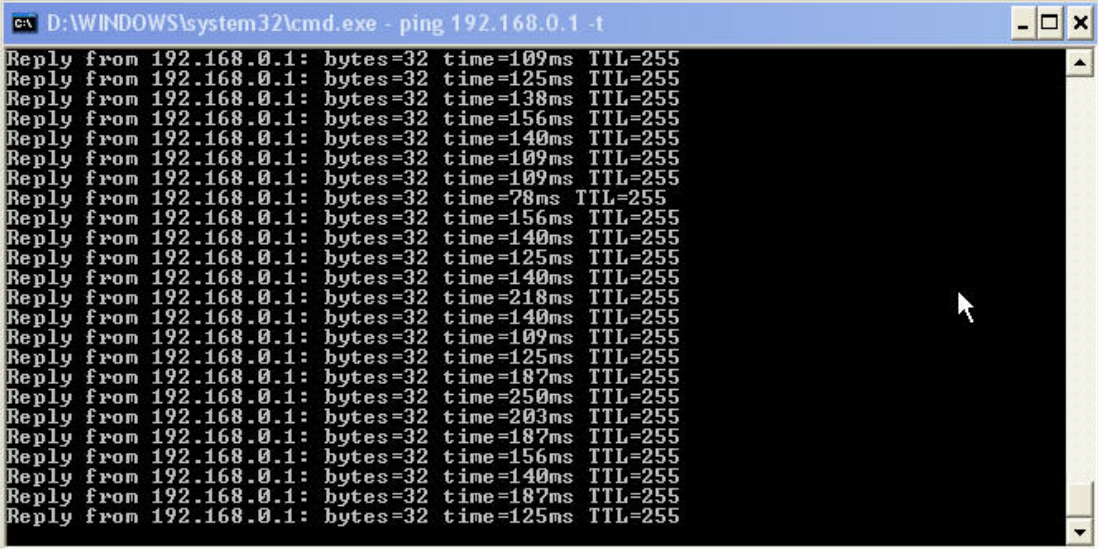
Local LAN IP Address: Subnet address
 IP address: 192 168 0 1
 Subnet Mask: 255 255 255 0

Remote LAN IP Address: Single PC - no Subnet
 IP address:
 Subnet Mask:

IKE Direction: Responder only
 Exchange Mode: Main Mode
 Diffie-Hellman (DH) Group: Auto
 Local Identity Type: WAN IP Address
 Data: n/a
 Remote Identity Type: IP Address
 Data: n/a

SA Parameters Encryption: 3DES
 Authentication: Auto
 Pre-shared Key: 12345678
 SA Life Time: 28800 (Seconds)
 Enable PFS (Perfect Forward Security)

25. Ping from Windows 2000/XP VPN Client to WBR-3460 via VPN tunnel.



```

c:\ D:\WINDOWS\system32\cmd.exe - ping 192.168.0.1 -t
Reply from 192.168.0.1: bytes=32 time=109ms TTL=255
Reply from 192.168.0.1: bytes=32 time=125ms TTL=255
Reply from 192.168.0.1: bytes=32 time=138ms TTL=255
Reply from 192.168.0.1: bytes=32 time=156ms TTL=255
Reply from 192.168.0.1: bytes=32 time=140ms TTL=255
Reply from 192.168.0.1: bytes=32 time=109ms TTL=255
Reply from 192.168.0.1: bytes=32 time=109ms TTL=255
Reply from 192.168.0.1: bytes=32 time=78ms TTL=255
Reply from 192.168.0.1: bytes=32 time=156ms TTL=255
Reply from 192.168.0.1: bytes=32 time=140ms TTL=255
Reply from 192.168.0.1: bytes=32 time=125ms TTL=255
Reply from 192.168.0.1: bytes=32 time=140ms TTL=255
Reply from 192.168.0.1: bytes=32 time=218ms TTL=255
Reply from 192.168.0.1: bytes=32 time=140ms TTL=255
Reply from 192.168.0.1: bytes=32 time=109ms TTL=255
Reply from 192.168.0.1: bytes=32 time=125ms TTL=255
Reply from 192.168.0.1: bytes=32 time=187ms TTL=255
Reply from 192.168.0.1: bytes=32 time=250ms TTL=255
Reply from 192.168.0.1: bytes=32 time=203ms TTL=255
Reply from 192.168.0.1: bytes=32 time=187ms TTL=255
Reply from 192.168.0.1: bytes=32 time=156ms TTL=255
Reply from 192.168.0.1: bytes=32 time=140ms TTL=255
Reply from 192.168.0.1: bytes=32 time=187ms TTL=255
Reply from 192.168.0.1: bytes=32 time=125ms TTL=255

```