Level1 router IPSec VPN vs. WinXP IPSec

Level1 router is applicable to FBR-1407, FBR-1409TX, FBR-1417TX, WBR-2401, WBR-3403TX, WBR-3404TX and WBR-3402

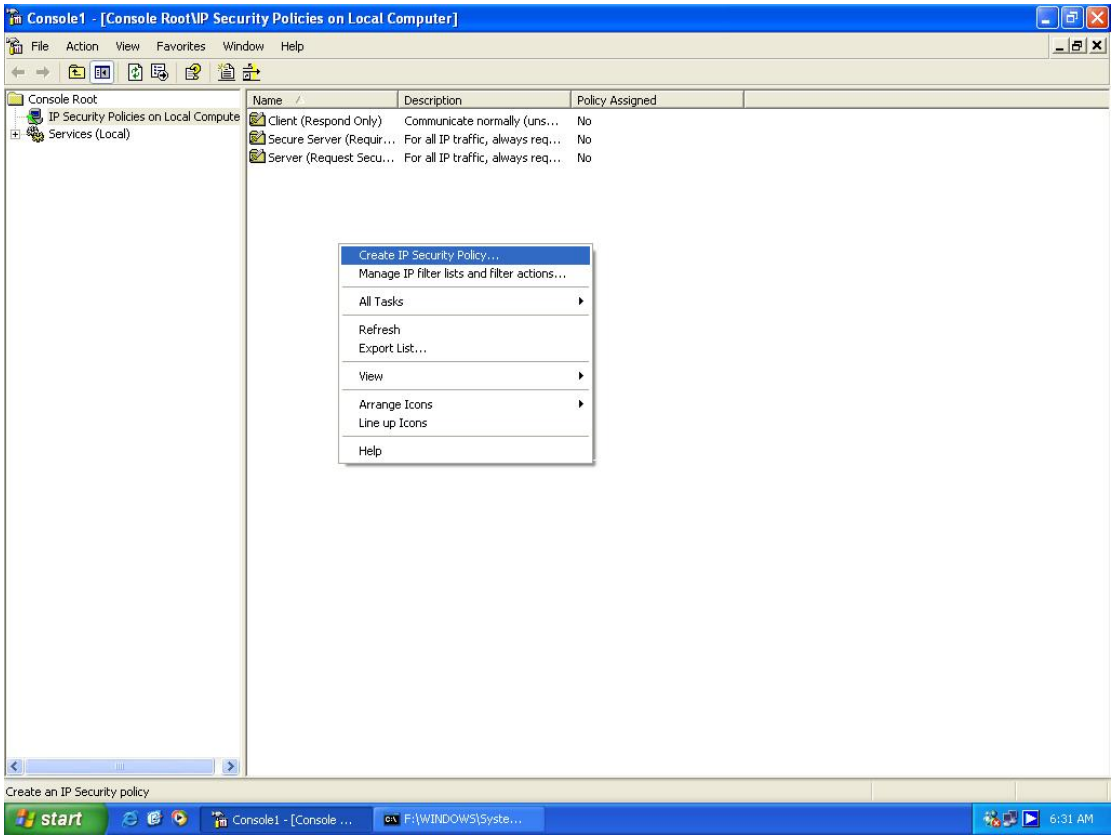
192.168.0.x---LevelOne VPN router---172.16.6.97---172.16.6.10 ---WinXP.

LevelOne Router LAN IP :192.168.0.1 WAN IP :172.16.6.97

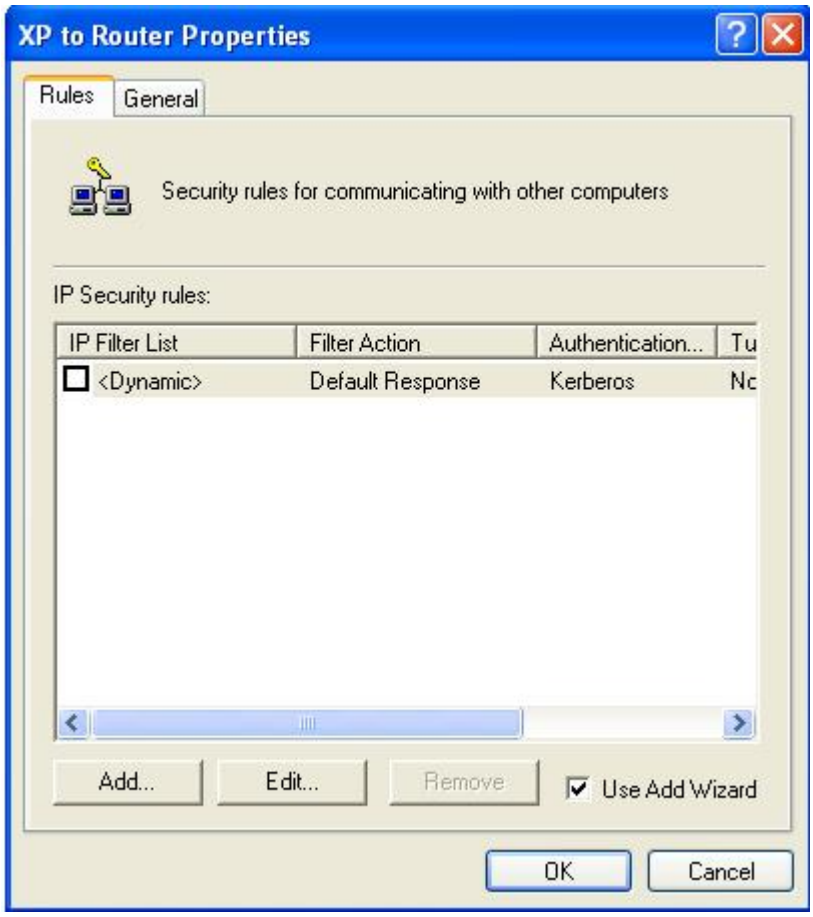
WinXP IP 172.16.6.10

WinXP configuration

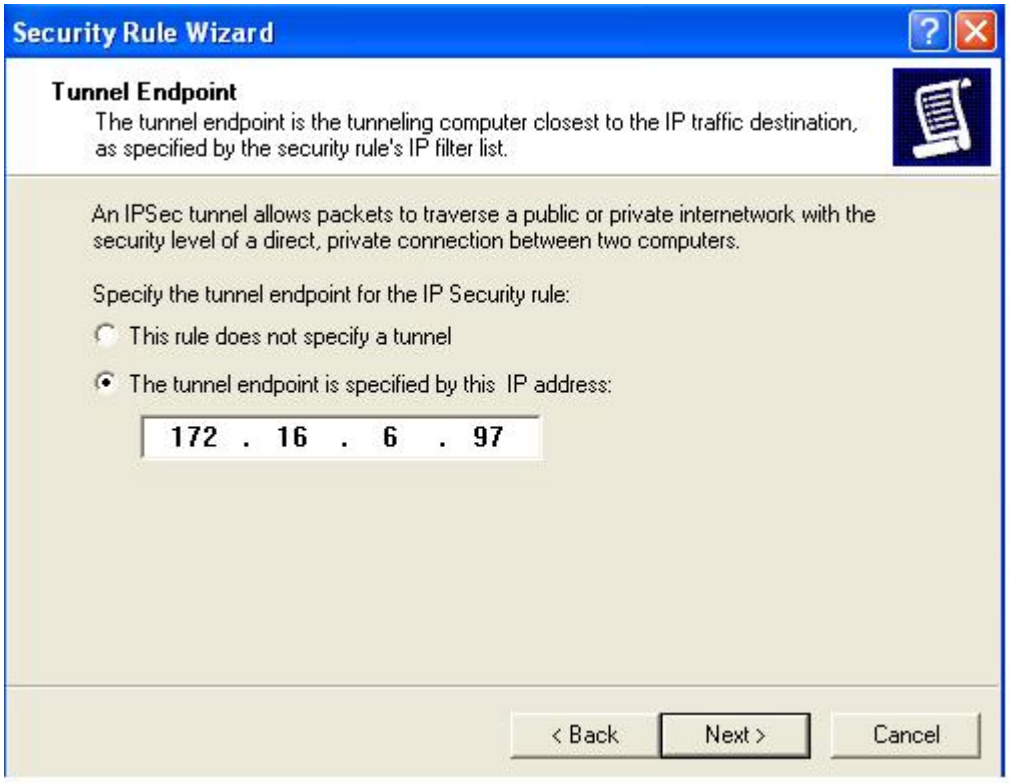
1. Select ◊ run ◊secpol.msc
2. right click “IP Security Policy on Local Machine” Create IP Security Policy



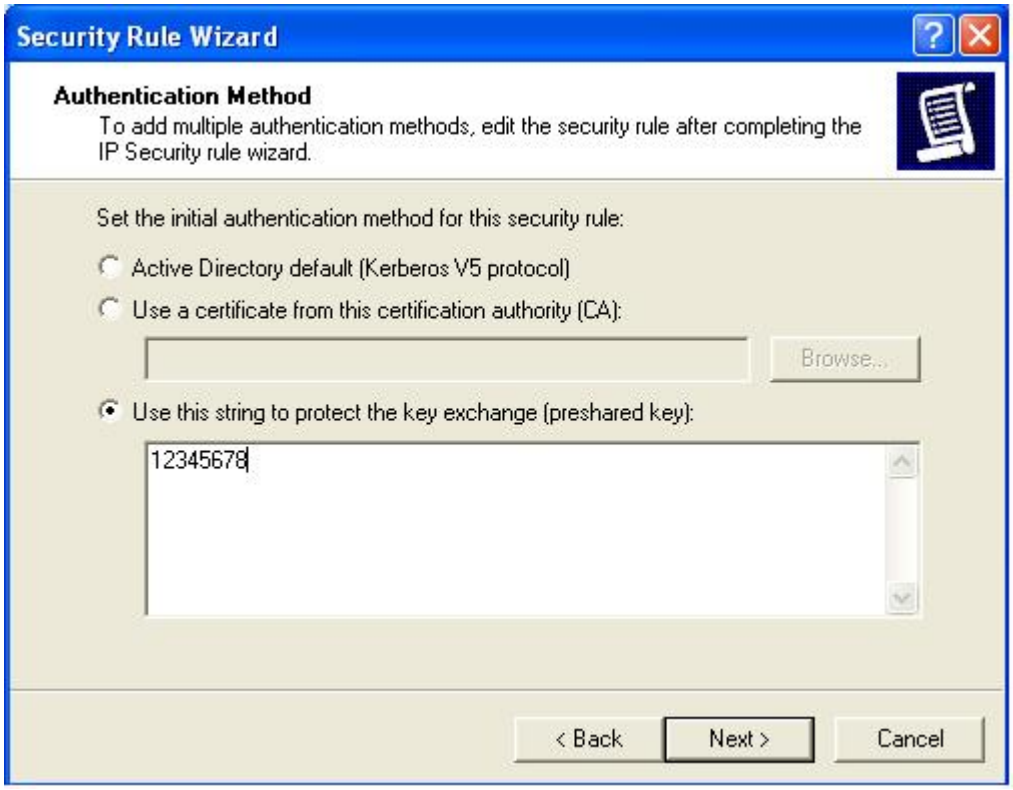
3. click Next ◊type policy name , for example XP to Router , click Next
4. Deselect “Active to default response rules”. Click Next , click finish .
5. click Add ◊ Next



6. Type Router WAN IP ◊Next



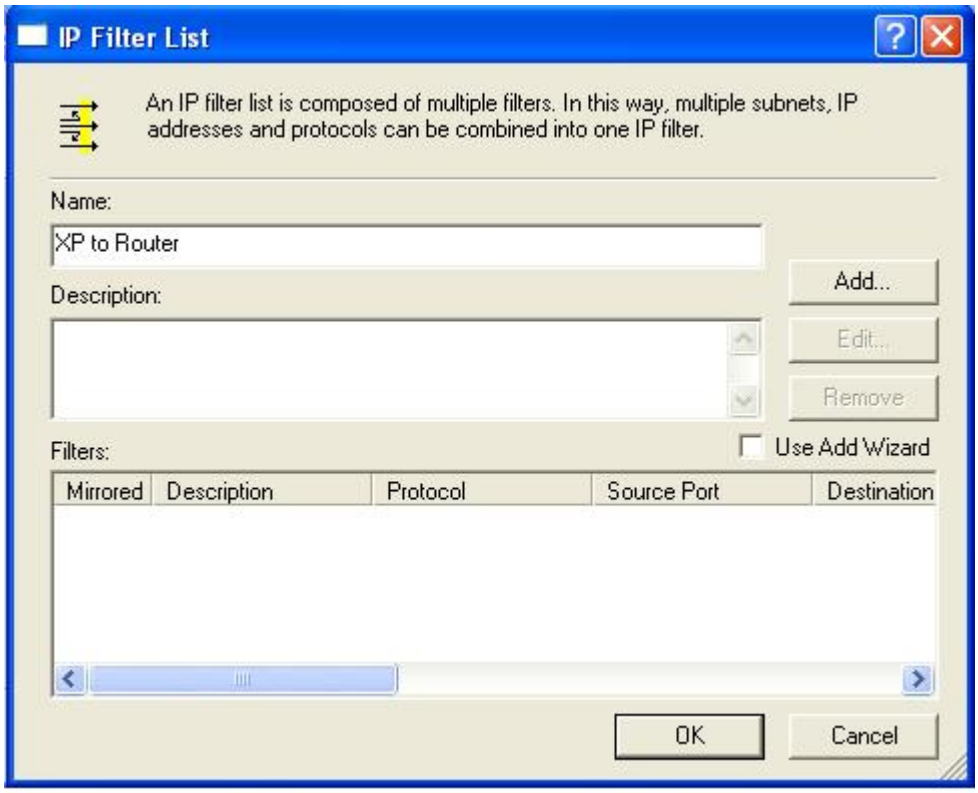
6. Network Type click Next , Authentication select Preshared Key , key 12345678 ◊Next



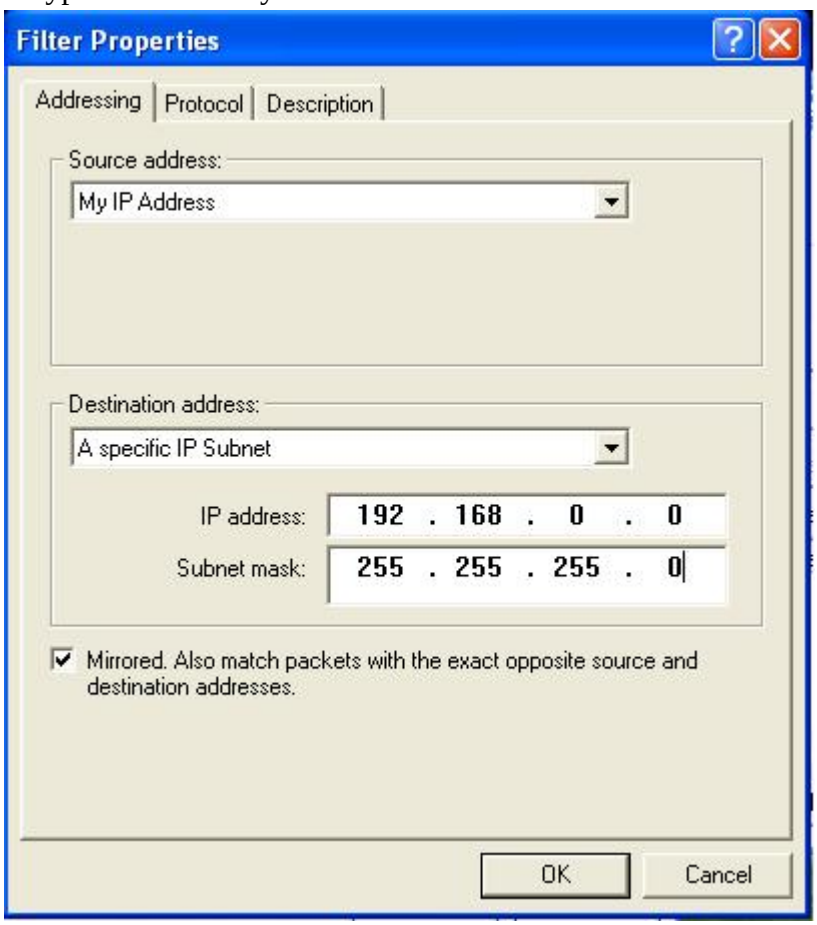
7. Click Add .


Security Rule Wizard
IP Filter List
Select the IP filter list for the type of IP traffic to which this security rule applies.
If no IP filter in the following list matches your needs, click Add to create a new one.
IP filter lists:
Name
Description
All ICMP Traffic
Matches all ICMP packets bet...
All IP Traffic
Matches all IP packets from t...
Add...
Edit...
Remove
< Back
Next >
Cancel

8.Type Name XP to Router , de-select Use Add Wizard ◊ Add



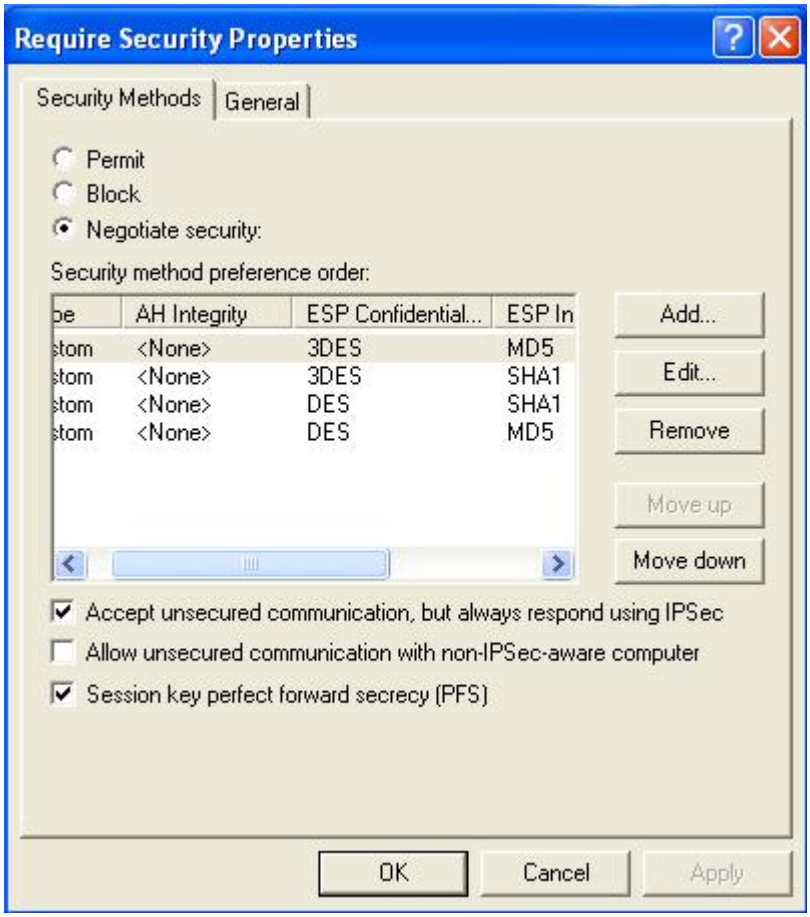
9.Type Source IP My IP Address and Destination IP Subnet. Click OK ◊Close .



10.Click XP to Router ◊Next

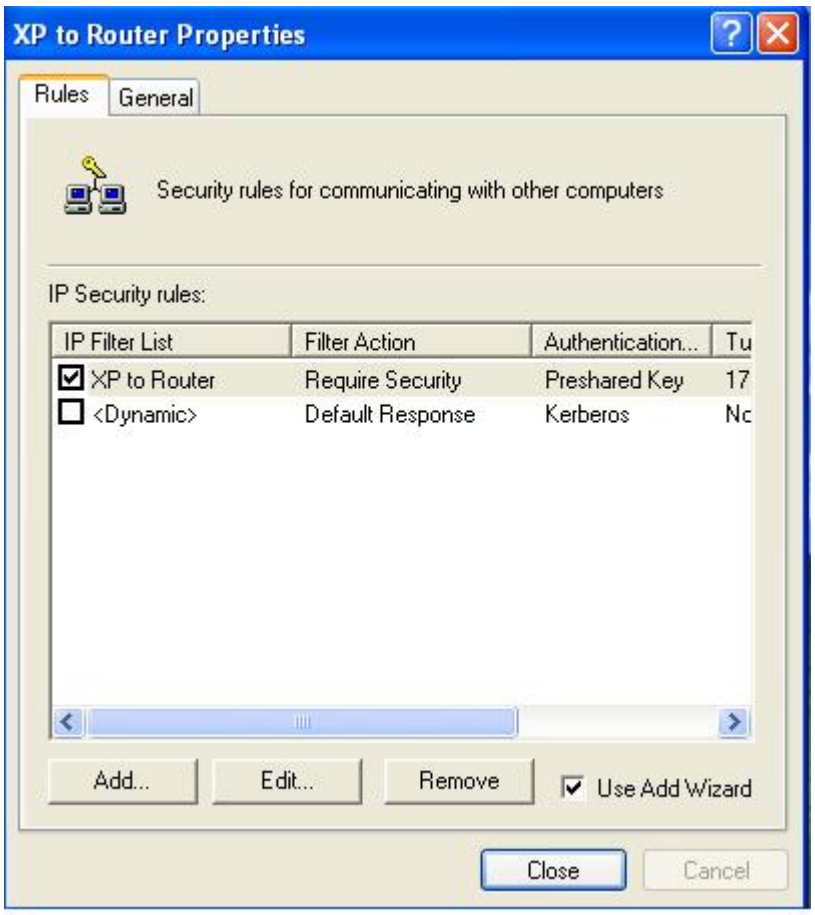
11.Click Require Security –edit .

12.Move up 3DES with MD5 to top then back to 11 click next.

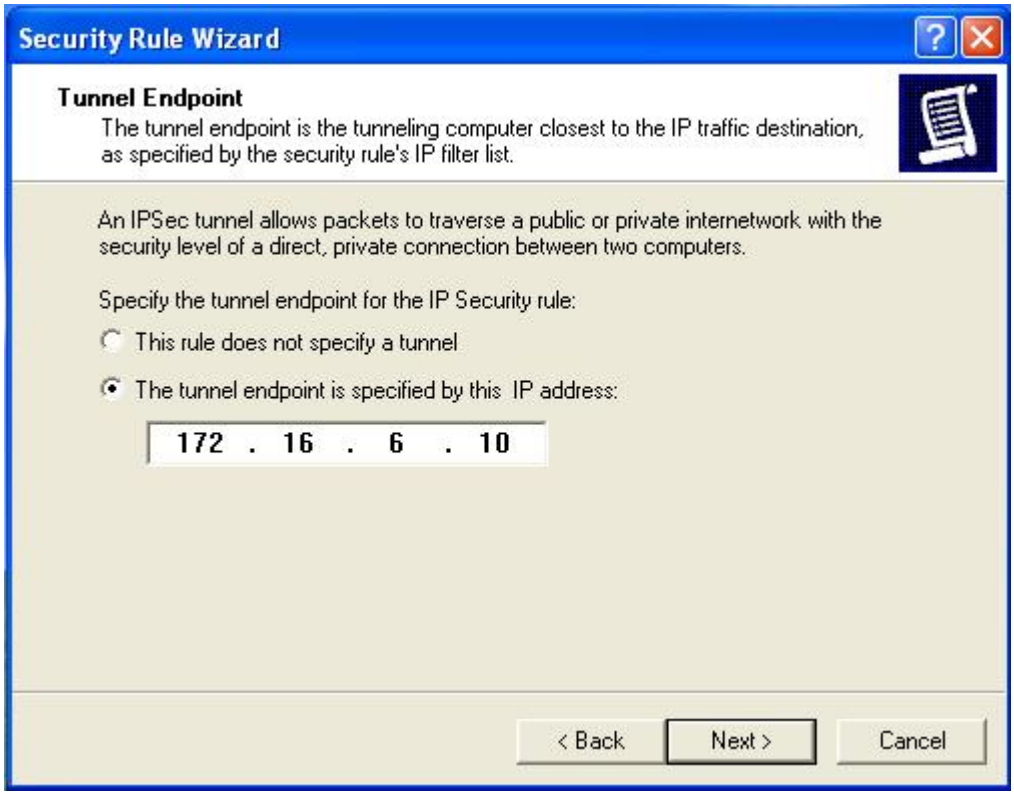


13.Click Finish

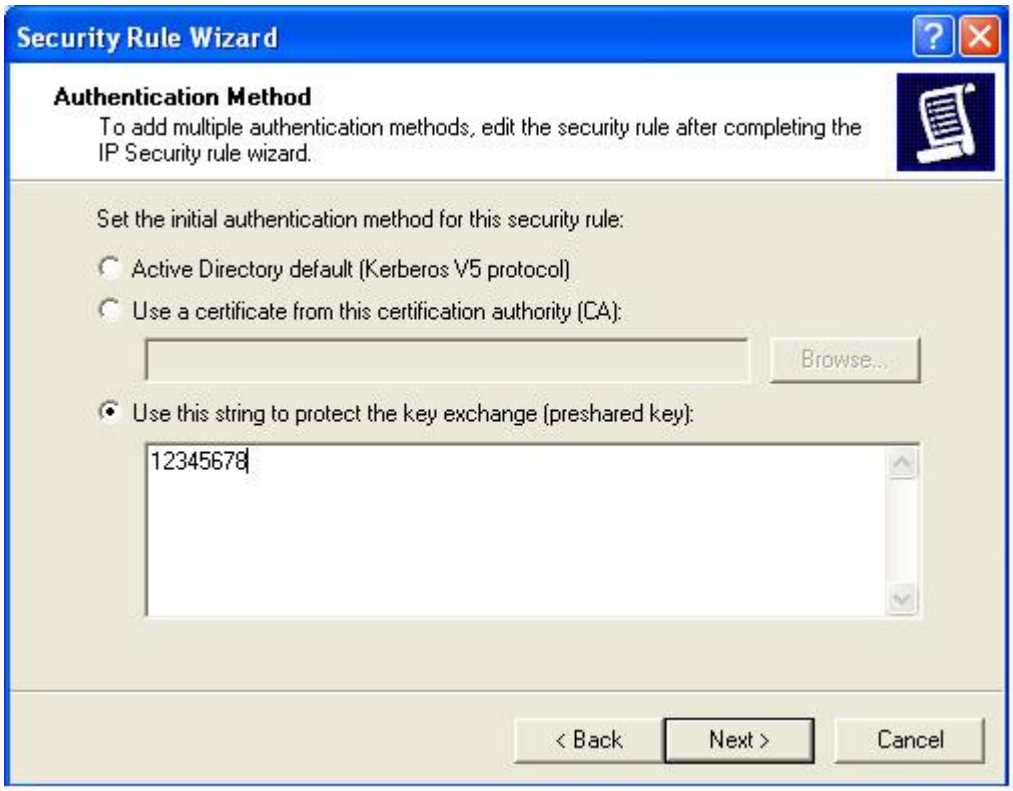
14.Click Add


XP to Router Properties
Rules
General
Security rules for communicating with other computers
IP Security rules:
IP Filter List
Filter Action
Authentication...
Tu
XP to Router
Require Security
Preshared Key
17
<Dynamic>
Default Response
Kerberos
Nc
Add...
Edit...
Remove
Use Add Wizard
Close
Cancel

15.Type WinXP self IP Address

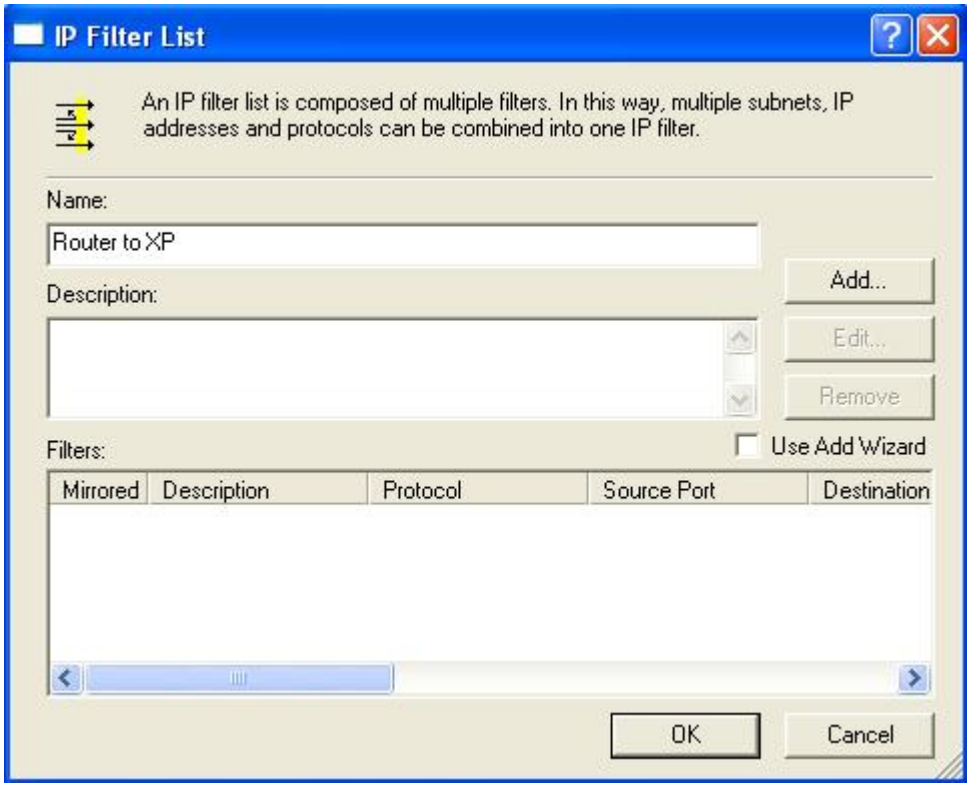


16.Click Next ◊ Authentication select Preshared Key , key 12345678 ◊Next

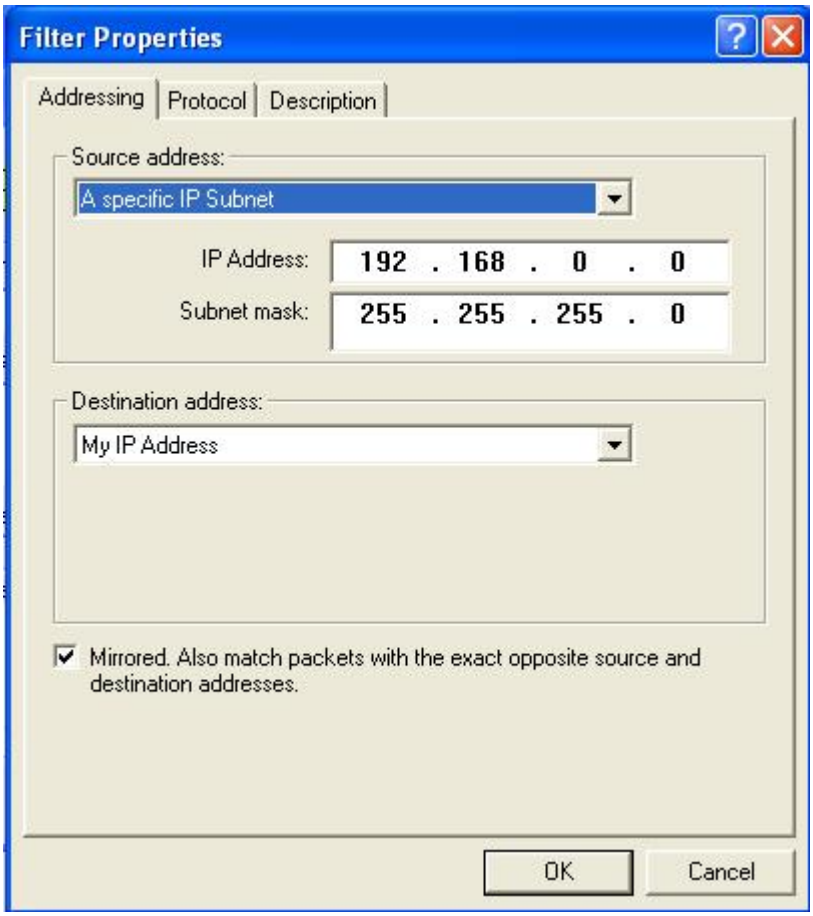


17.IP Filter List click Add

18.Type name Router to XP , de-select Use Add Wizard . Add .



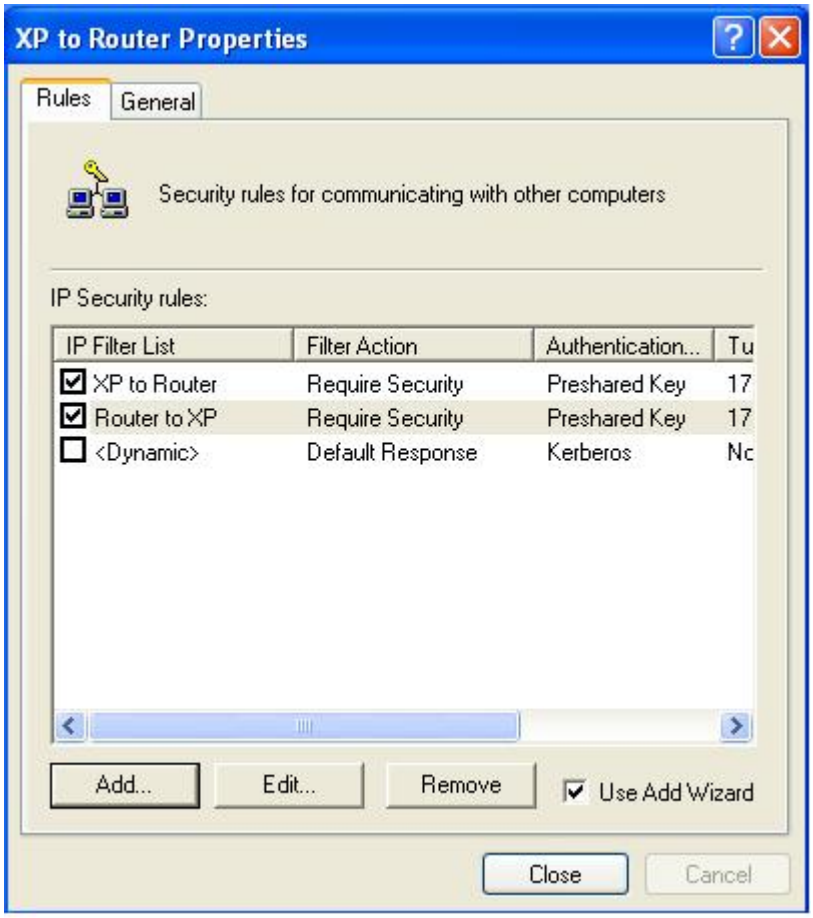
19.Type Source and Destination IP.



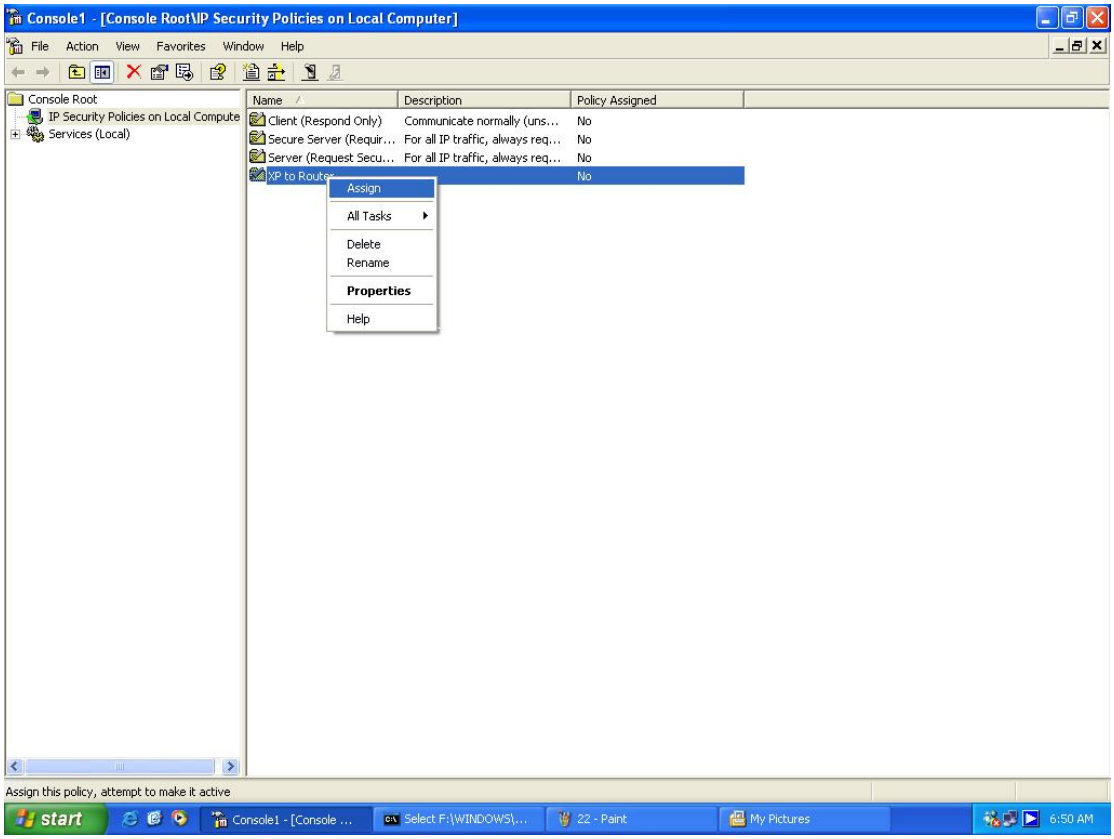
20.OK ◊Close , Click Router to XP ◊Next .

21.Click Require Security .

22.Click Finish ◊ Close .



23.Right click XP to Router Policy ◊Assign.

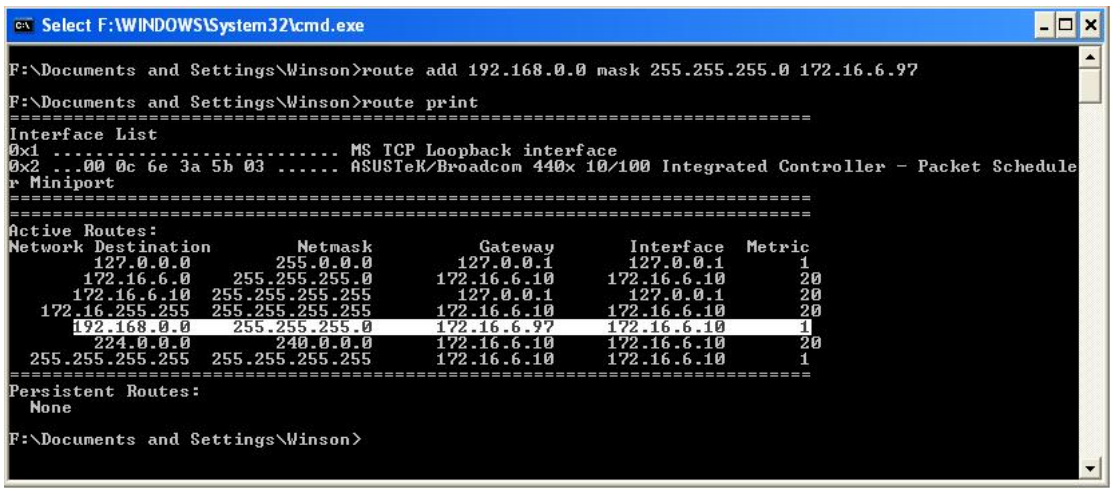


24.Type command as below

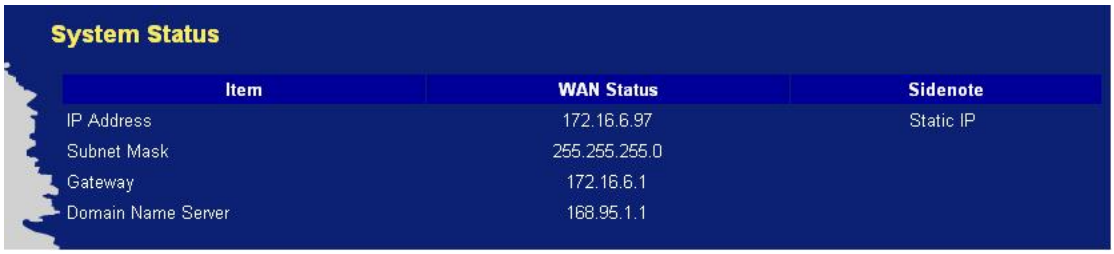
route add 192.168.0.0 mask 255.255.255.0 172.16.6.97

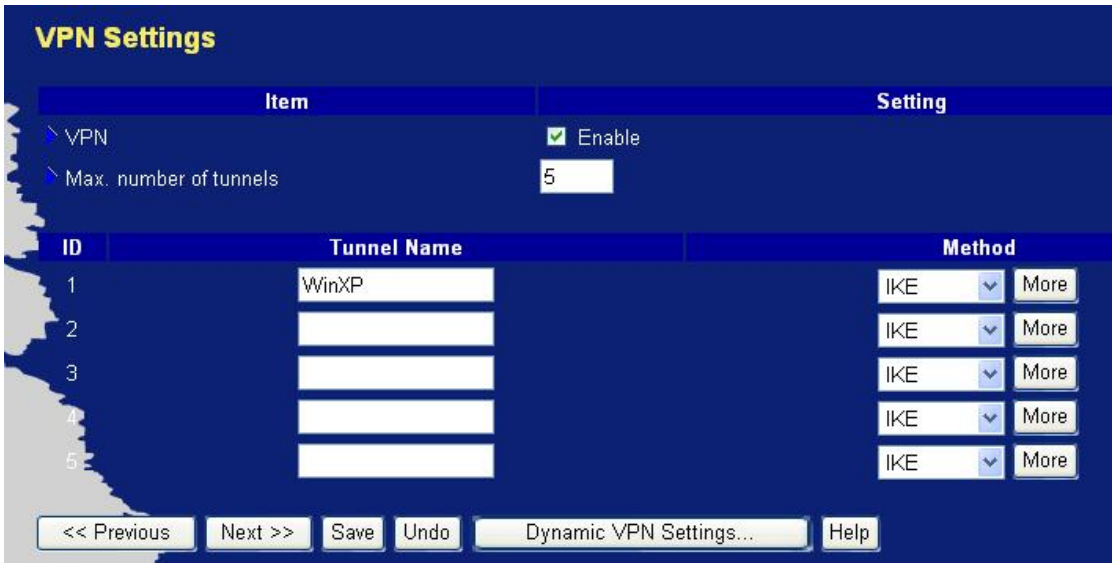
(Route add Router_Lan_subnet mask Router_Lan_mask Router_WAN_IP)

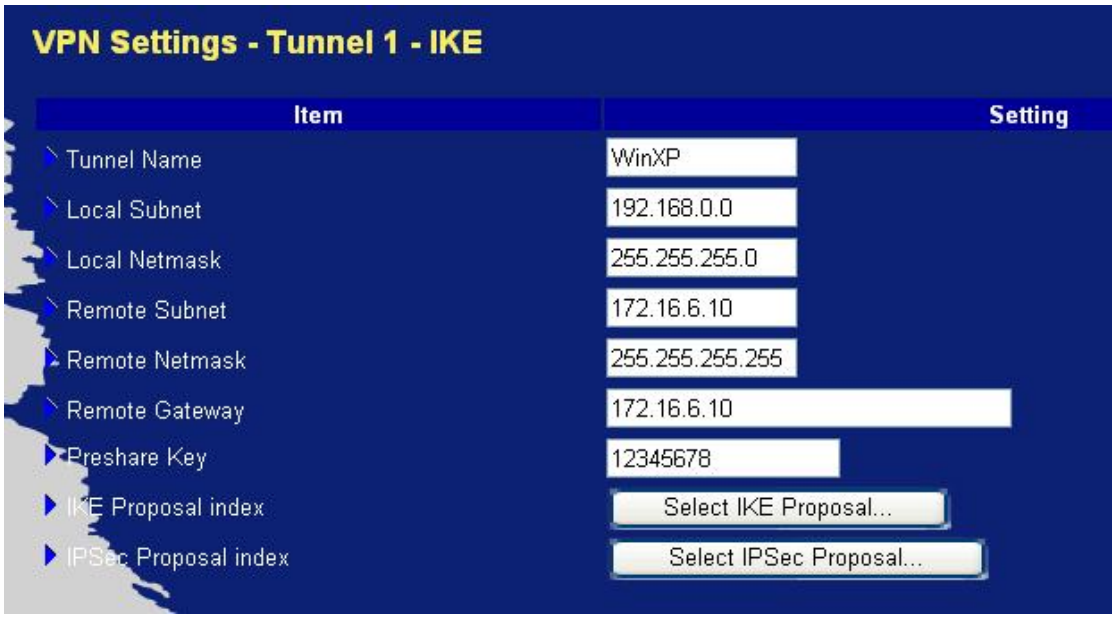
This step just only for testing when WinXP and WAN IP are both private IP.

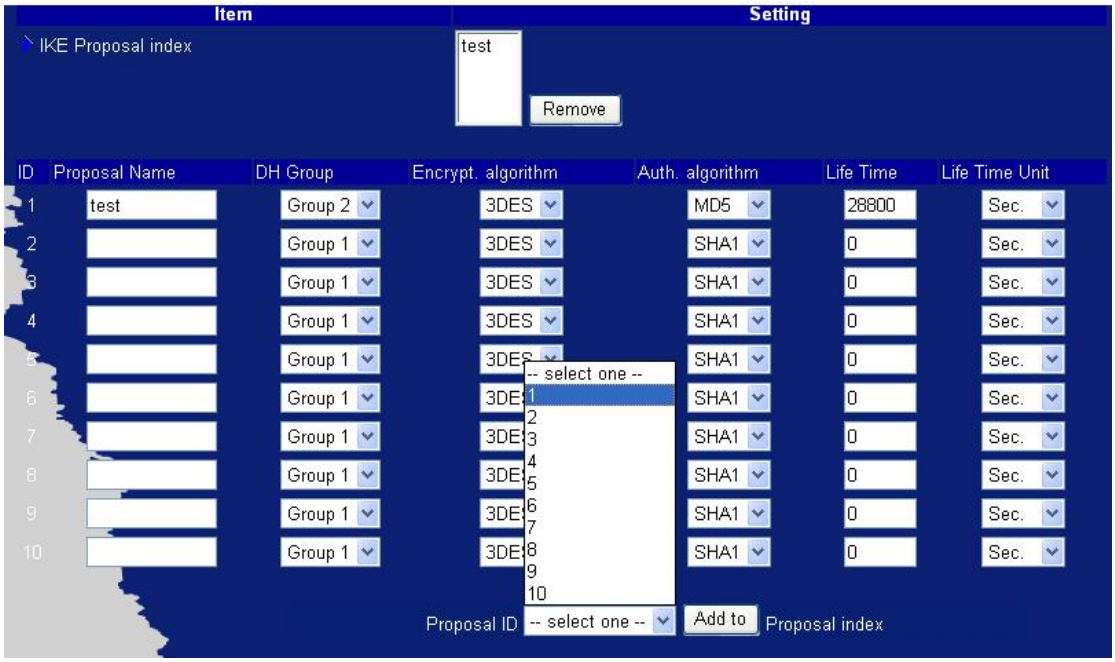


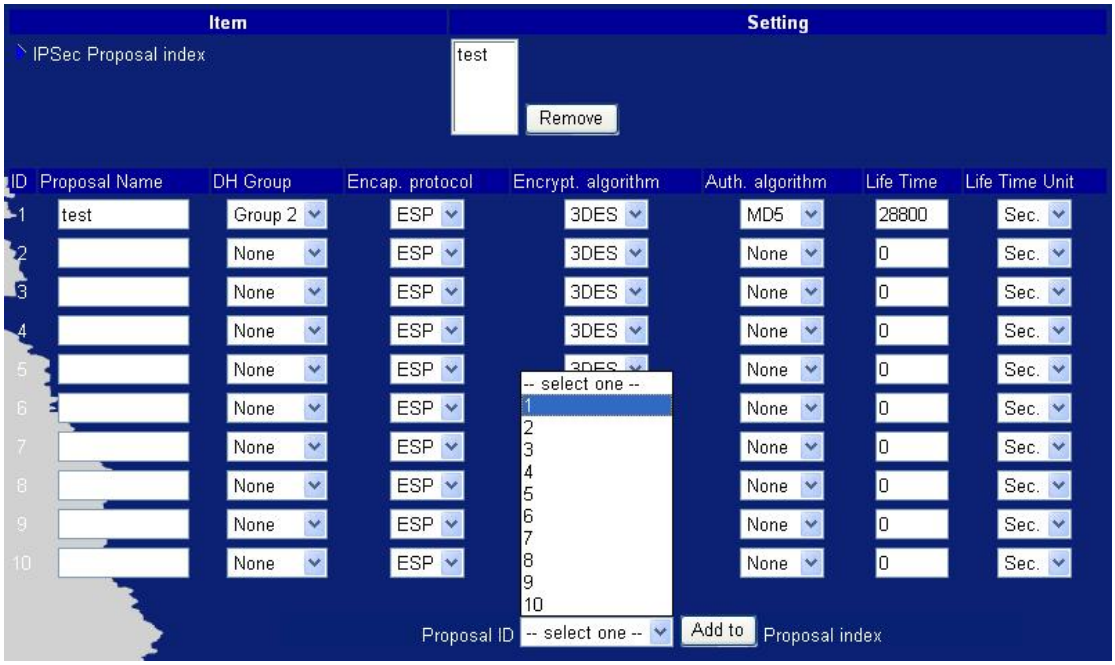
25.Configure LevelOne VPN router

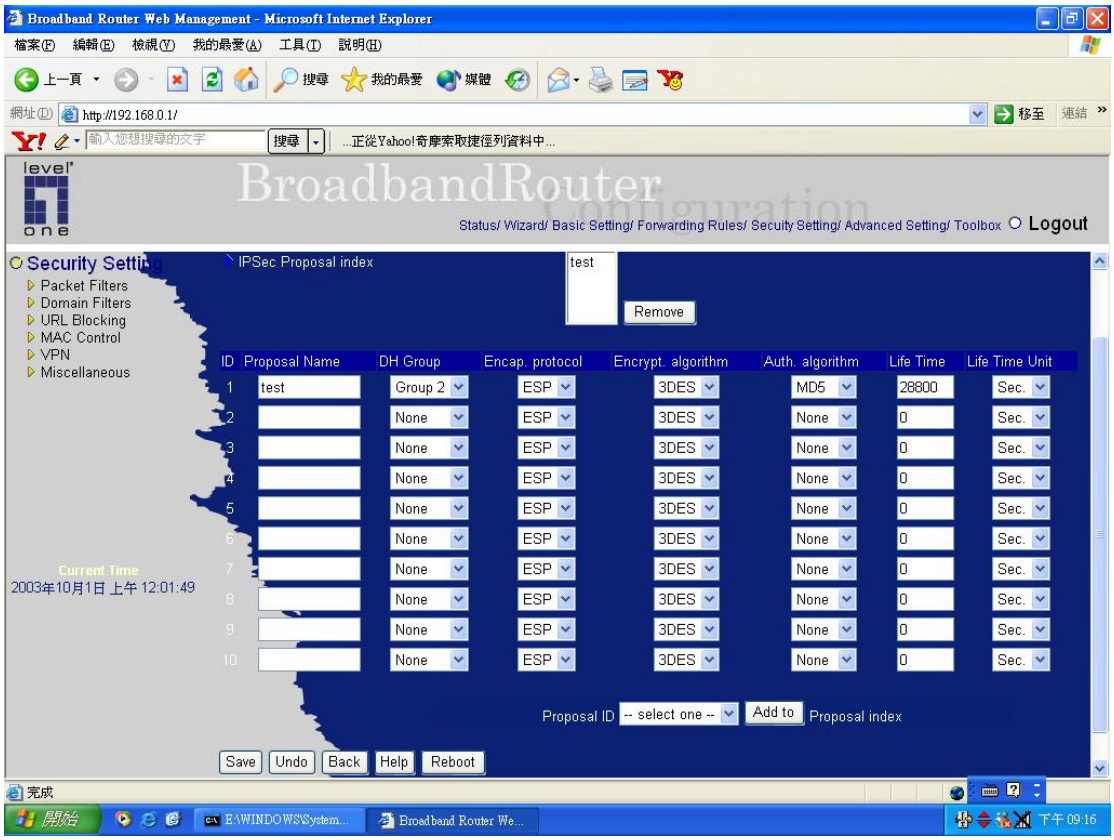


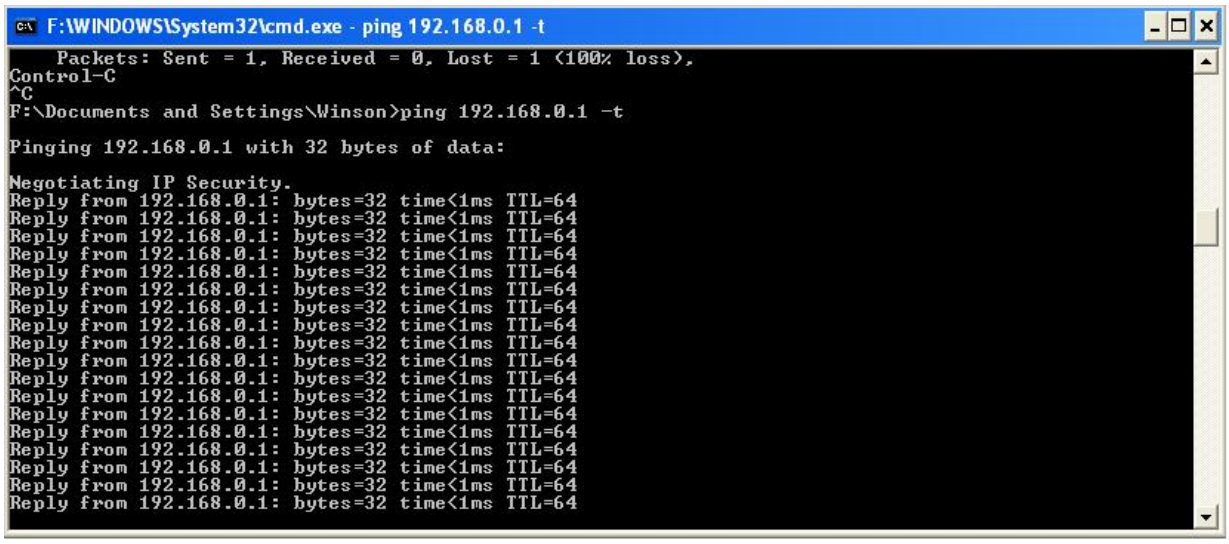





Item
Setting
IKE Proposal index
test
Remove
ID
Proposal Name
DH Group
Encrypt. algorithm
Auth. algorithm
Life Time
Life Time Unit
1 test Group 2 3DES MD5 28800 Sec.
2 Group 1 3DES SHA1 0 Sec.
3 Group 1 3DES SHA1 0 Sec.
4 Group 1 3DES SHA1 0 Sec.
5 Group 1 3DES SHA1 0 Sec.
6 Group 1 3DES SHA1 0 Sec.
7 Group 1 3DES SHA1 0 Sec.
8 Group 1 3DES SHA1 0 Sec.
9 Group 1 3DES SHA1 0 Sec.
10 Group 1 3DES SHA1 0 Sec.
-- select one --
1
2
3
4
5
6
7
8
9
10
Proposal ID
-- select one --
Add to
Proposal index


Item
Setting
IPSec Proposal index
test
Remove
ID
Proposal Name
DH Group
Encap. protocol
Encrypt. algorithm
Auth. algorithm
Life Time
Life Time Unit
1 test Group 2 ESP 3DES MD5 28800 Sec.
2 None ESP 3DES None 0 Sec.
3 None ESP 3DES None 0 Sec.
4 None ESP 3DES None 0 Sec.
5 None ESP None 0 Sec.
6 None ESP None 0 Sec.
7 None ESP None 0 Sec.
8 None ESP None 0 Sec.
9 None ESP None 0 Sec.
10 None ESP None 0 Sec.
-- select one --
1
2
3
4
5
6
7
8
9
10
Proposal ID
-- select one --
Add to
Proposal index


Broadband Router Web Management - Microsoft Internet Explorer
BroadbandRouter
Configuration
Status/ Wizard/ Basic Setting/ Forwarding Rules/ Security Setting/ Advanced Setting/ Toolbox
Logout
Security Setting
Packet Filters
Domain Filters
URL Blocking
MAC Control
VPN
Miscellaneous
IPSec Proposal index
test
Remove
ID Proposal Name DH Group Encap. protocol Encrypt. algorithm Auth. algorithm Life Time Life Time Unit
1 test Group 2 ESP 3DES MD5 28800 Sec.
2 None ESP 3DES None 0 Sec.
3 None ESP 3DES None 0 Sec.
4 None ESP 3DES None 0 Sec.
5 None ESP 3DES None 0 Sec.
6 None ESP 3DES None 0 Sec.
7 None ESP 3DES None 0 Sec.
8 None ESP 3DES None 0 Sec.
9 None ESP 3DES None 0 Sec.
10 None ESP 3DES None 0 Sec.
Current Time
2003年10月1日 上午 12:01:49
Proposal ID -- select one -- Add to Proposal index
Save Undo Back Help Reboot


F:\WINDOWS\System32\cmd.exe - ping 192.168.0.1 -t
Packets: Sent = 1, Received = 0, Lost = 1 (100% loss),
Control-C
^C
F:\Documents and Settings\Winson>ping 192.168.0.1 -t
Pinging 192.168.0.1 with 32 bytes of data:
Negotiating IP Security.
Reply from 192.168.0.1: bytes=32 time<1ms TTL=64

Finish