Dial up IPSec Policy based Configuration on Version 4.0 MR2 onwards

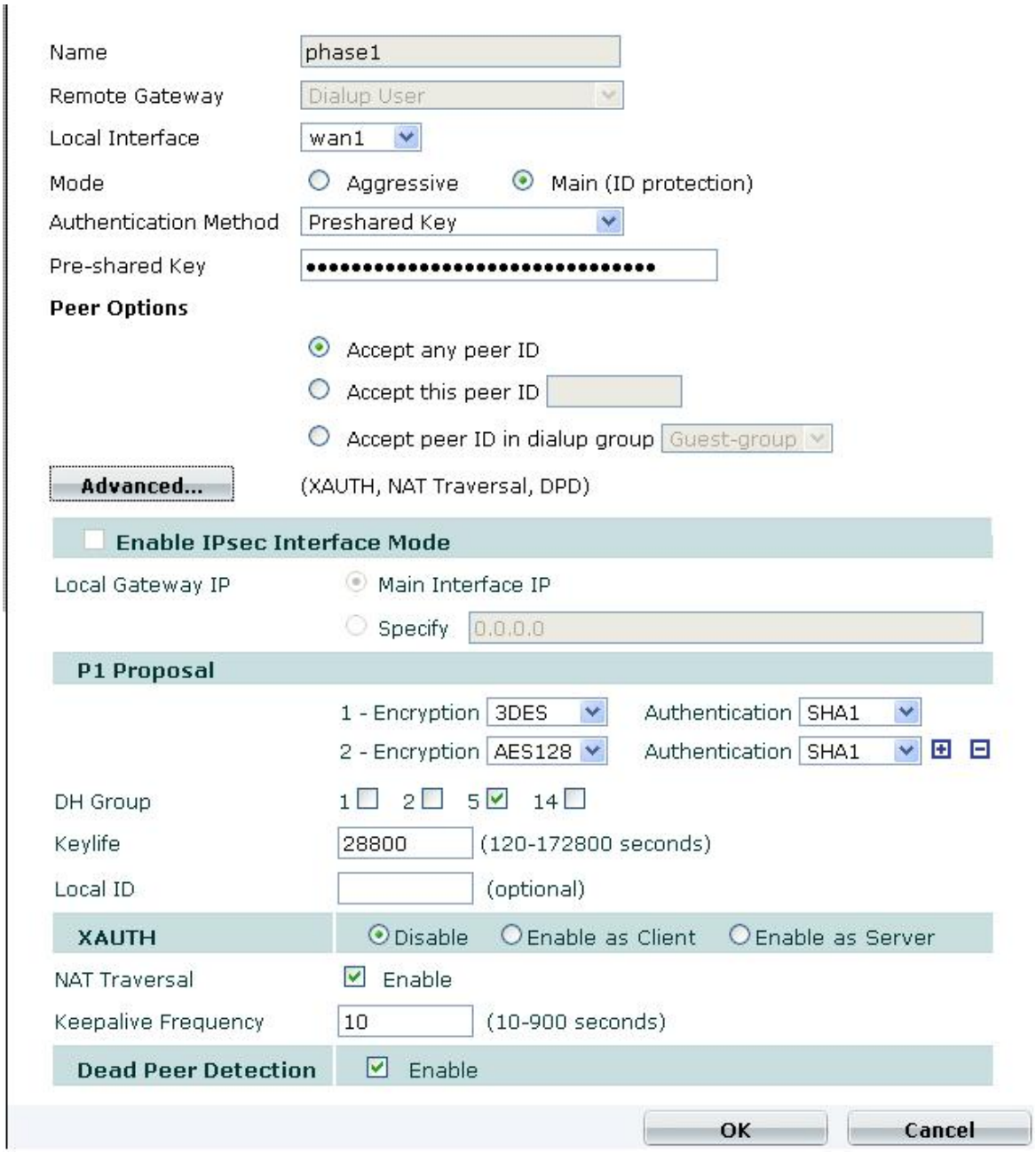
My network

WAN1 : 192.168.140.202/23

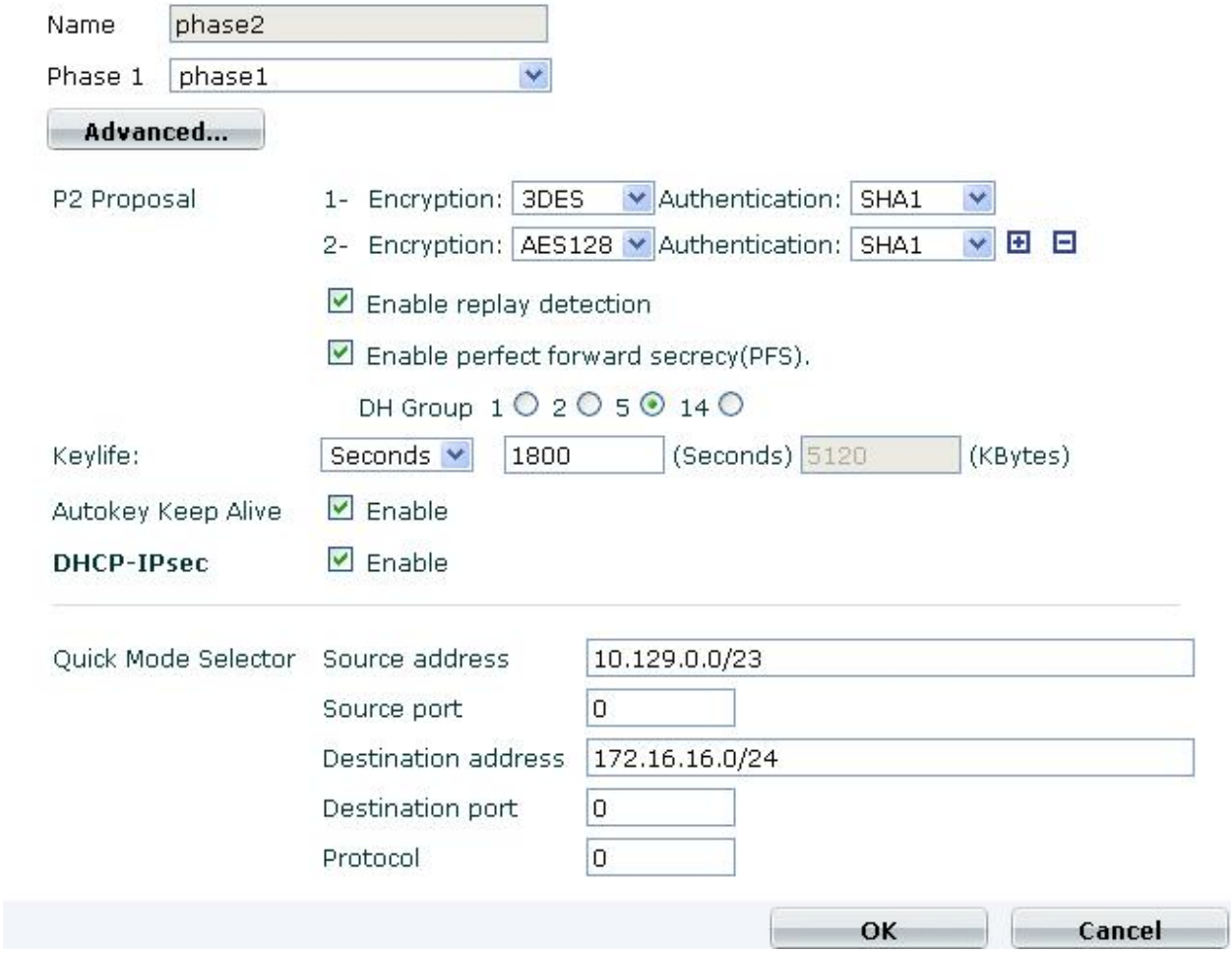
Internal: 10.129.0.202/23

IPSec VPN network: 172.16.16.0/24 (DHCP range 172.16.16.1-254)

IPSec Phase 1 Configuration as below

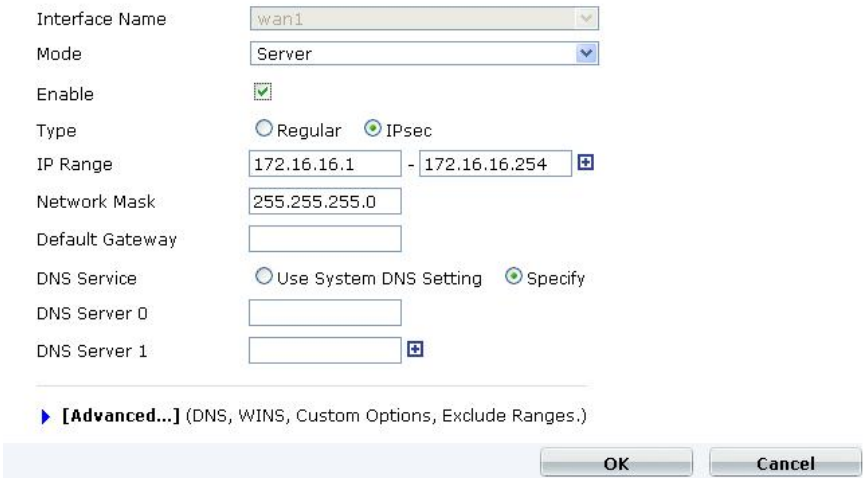


IPSec Phase 2 Configuration

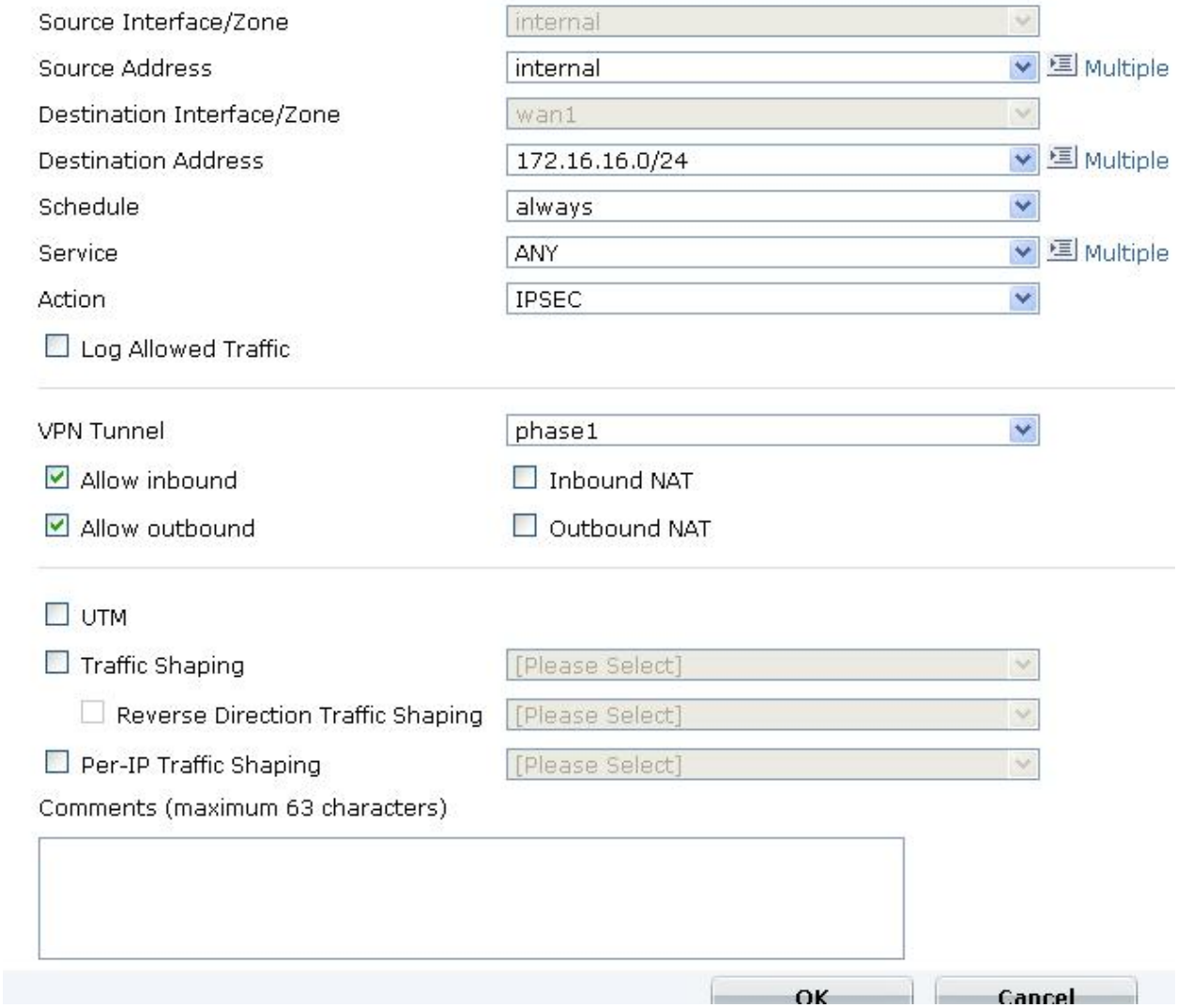


Please mention the source and destination IP address correctly

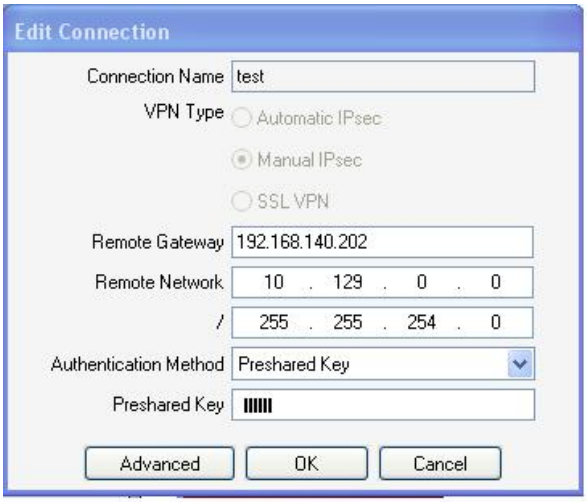
Configuring DHCP server for IPSec VPN clients > System > DHCP > Server >

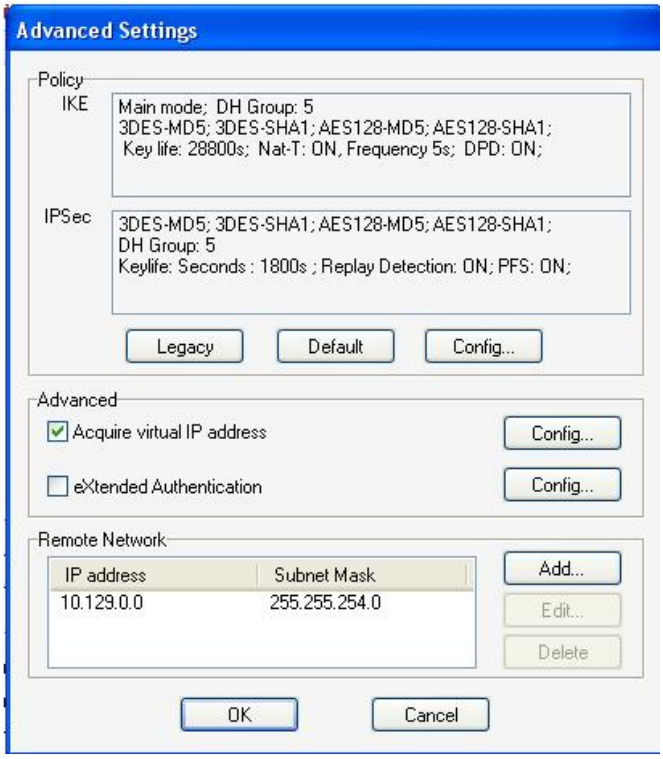


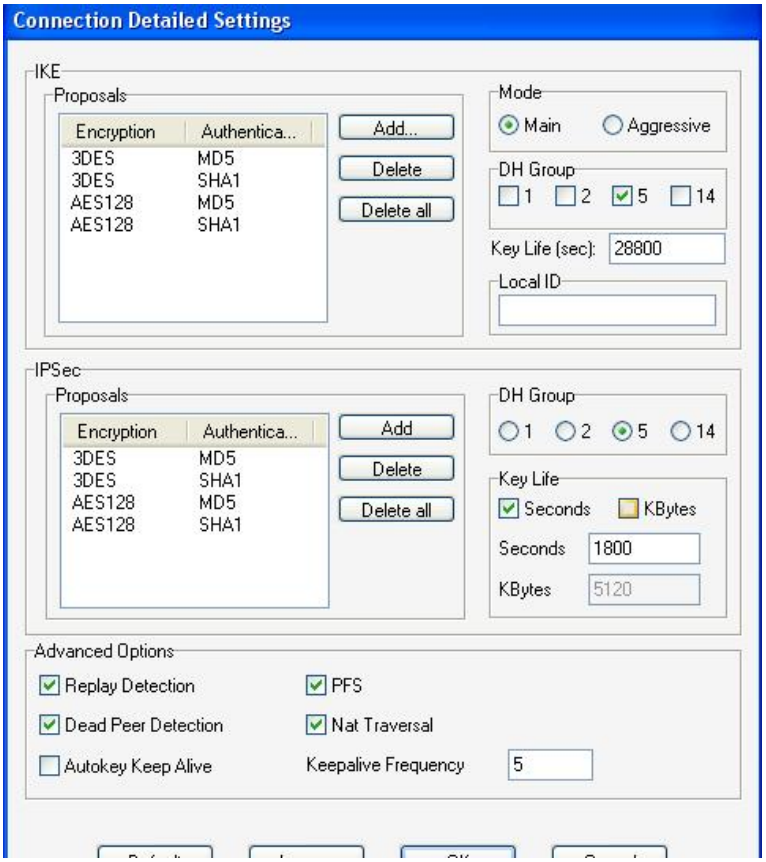
Configure firewall policy and place this policy on top of all other firewall policies, and do not forget to specify the source and destination address, otherwise you will be not able to resolve the IP address from the fortigate itself, and also you will face the problem with fortiguard updates.



Configure Forticlient > if you are specifying 0.0.0.0/0 in the remote network then all the traffic will go through the tunnel.

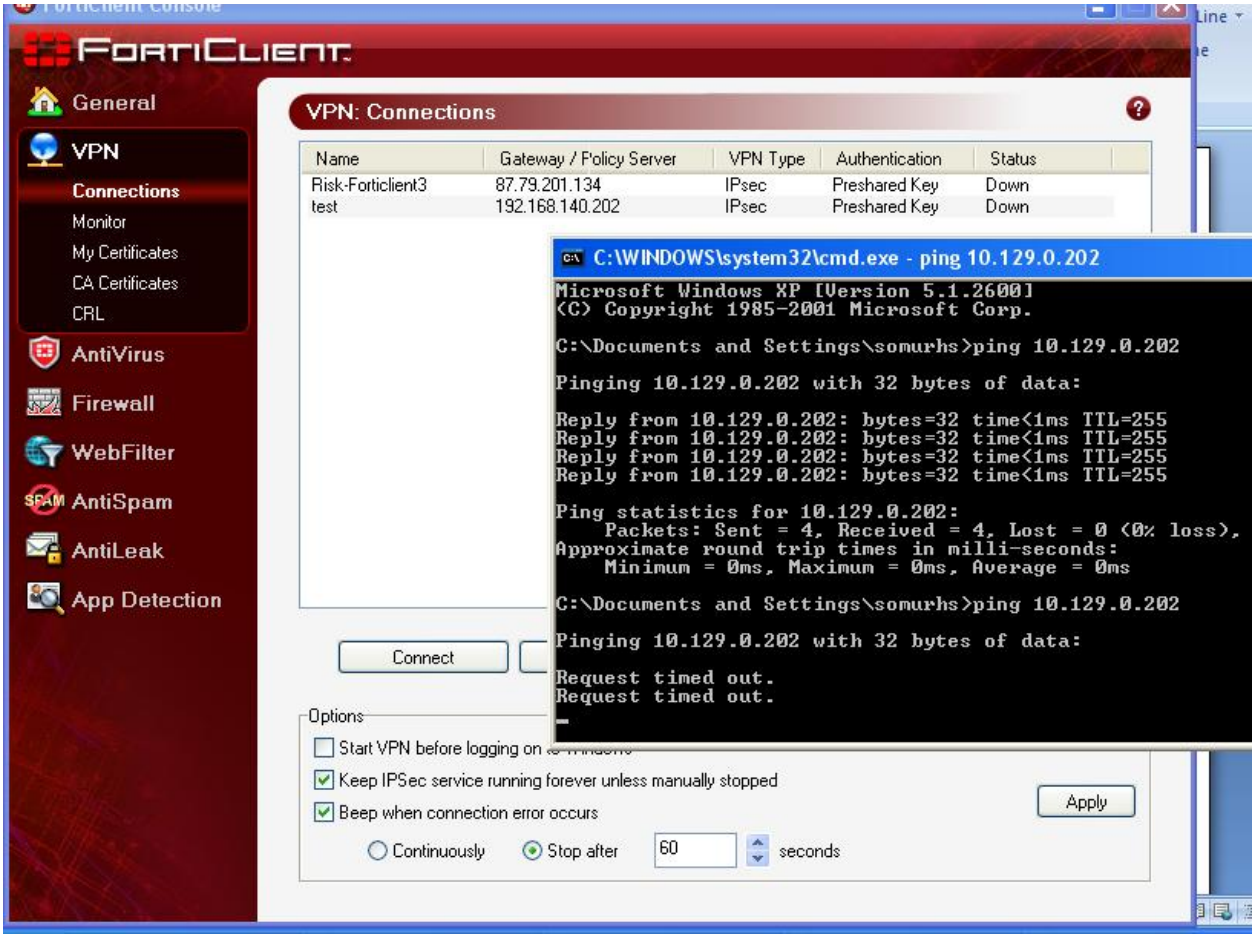






Please make sure that all the parameters are matching.

Then click on connect, you will be able to connect and then you can ping the internal resource 10.129.0.202, in the below image once I disconnect the tunnel I am not able to ping the resource.


FortiClient
General
VPN
Connections
Monitor
My Certificates
CA Certificates
CRL
AntiVirus
Firewall
WebFilter
AntiSpam
AntiLeak
App Detection
VPN: Connections
Name
Gateway / Policy Server
VPN Type
Authentication
Status
Risk-Forticlient3
87.79.201.134
IPsec
Preshared Key
Down
test
192.168.140.202
IPsec
Preshared Key
Down
C:\WINDOWS\system32\cmd.exe - ping 10.129.0.202
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.
C:\Documents and Settings\somurhs>ping 10.129.0.202
Pinging 10.129.0.202 with 32 bytes of data:
Reply from 10.129.0.202: bytes=32 time<1ms TTL=255
Reply from 10.129.0.202: bytes=32 time<1ms TTL=255
Reply from 10.129.0.202: bytes=32 time<1ms TTL=255
Reply from 10.129.0.202: bytes=32 time<1ms TTL=255
Ping statistics for 10.129.0.202:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\Documents and Settings\somurhs>ping 10.129.0.202
Pinging 10.129.0.202 with 32 bytes of data:
Request timed out.
Request timed out.
Connect
Options
Keep IPSec service running forever unless manually stopped
Beep when connection error occurs
Apply
Continuously
Stop after
60
seconds