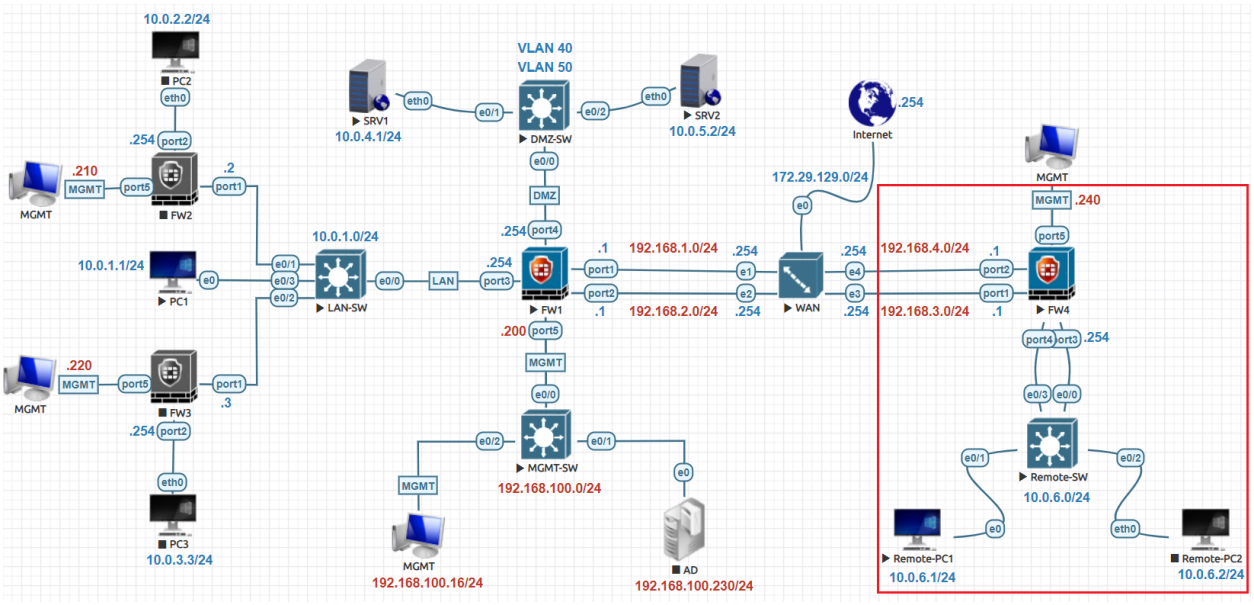
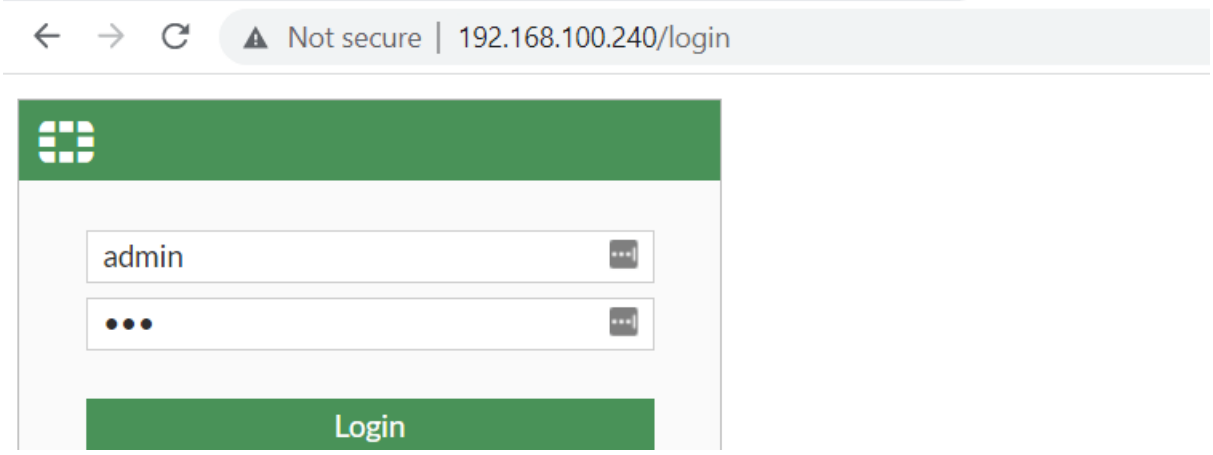
Aggregate Interfaces Lab:

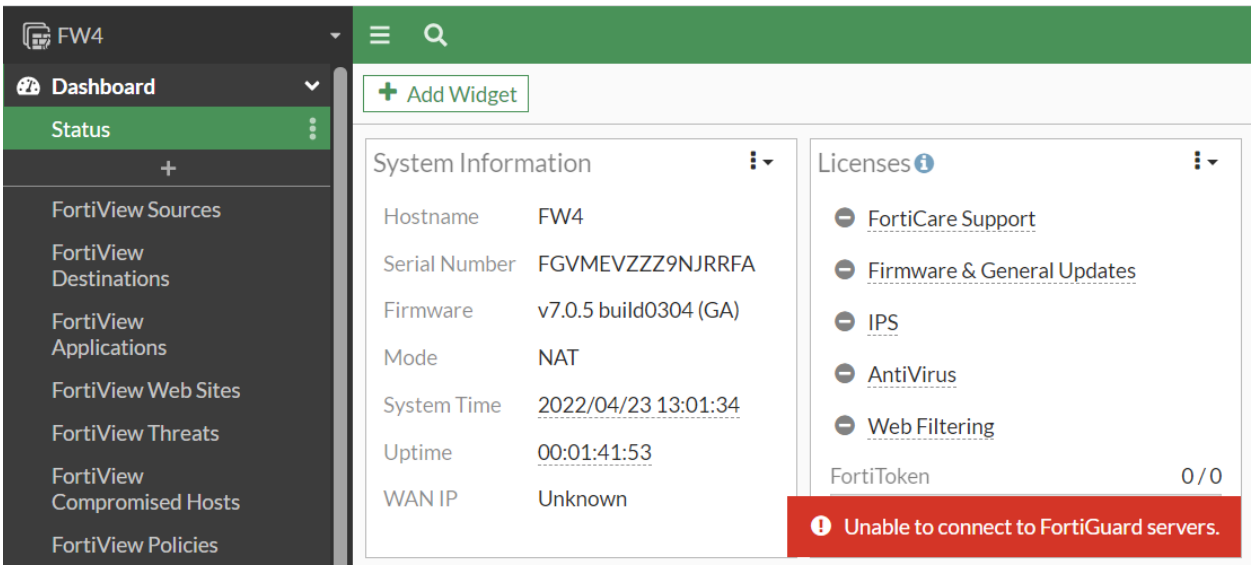


Switch Configuration
Switch(config)#hostname Remote-SW Remote-SW(config)#interface range e0/0,e0/3 Remote-SW(config-if-range)#switchport trunk encapsulation dot1q Remote-SW(config-if-range)#switchport mode trunk Remote-SW(config-if-range)#channel-protocol lacp Remote-SW(config-if-range)#channel-group 1 mode active Remote-SW(config-if-range)#no shutdown
Remote-SW(config)#interface port-channel 1 Remote-SW(config-if)#no shutdown
Remote-SW # show etherchannel summary Remote-SW # show etherchannel detail Remote-SW # show etherchannel port-channel Remote-SW #show spanning-tree vlan 1

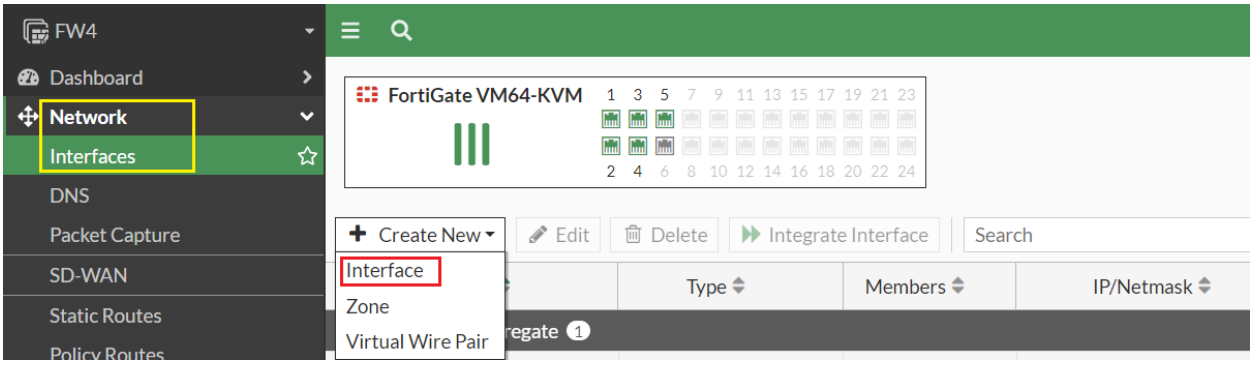
Firewall initial Configuration
FortiGate-VM64-KVM # config system global FortiGate-VM64-KVM (global) # set hostname FW4 FortiGate-VM64-KVM (global) # end
FW4 # config system interface FW4 (interface) # edit port5 FW4 (port5) # set mode static FW4 (port5) # set ip 192.168.100.240/24 FW4 (port5) # set allowaccess https http ping ssh telnet FW4 (port5) # end

Login to FortiGate Firewall type http://192.168.100.240 in any browser.

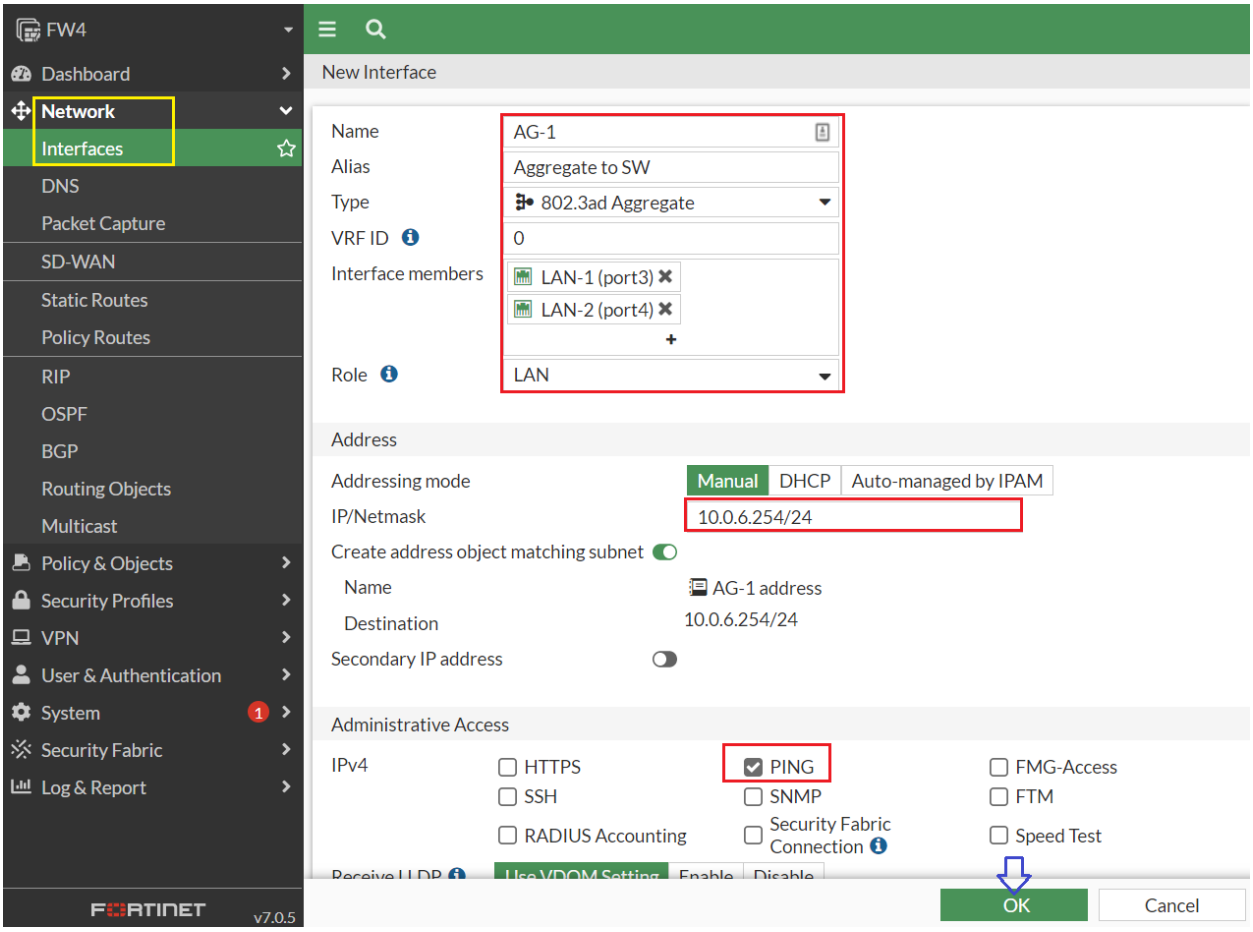




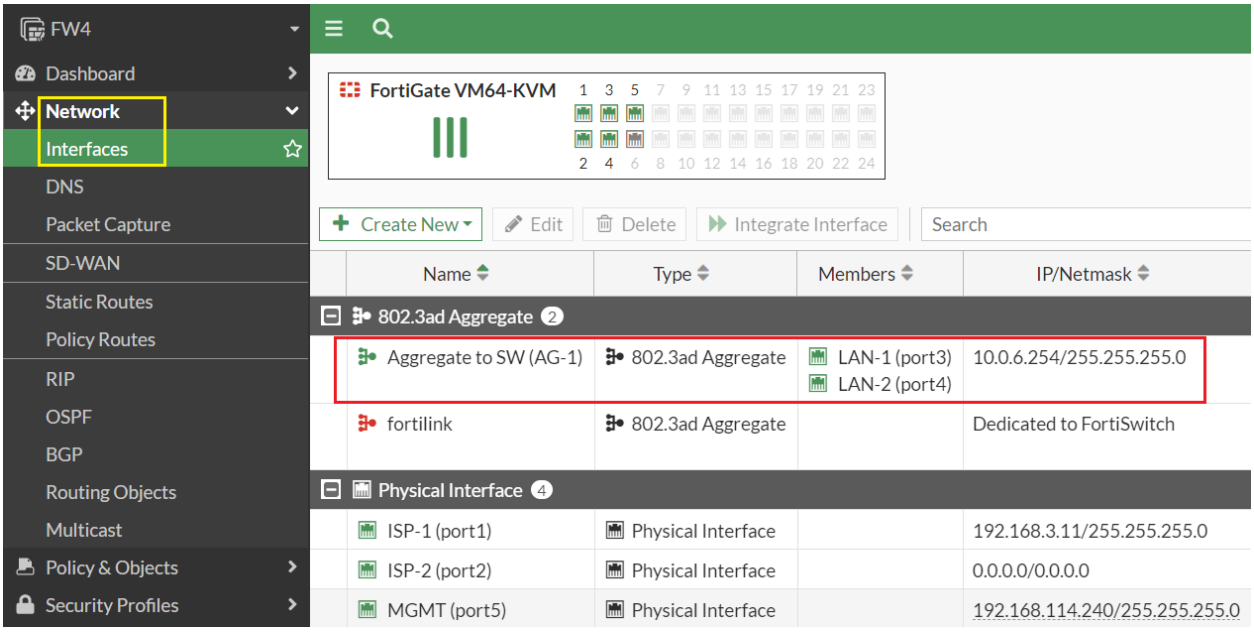
To configure an interface, go to Network > Interfaces Click Create New > Interface.



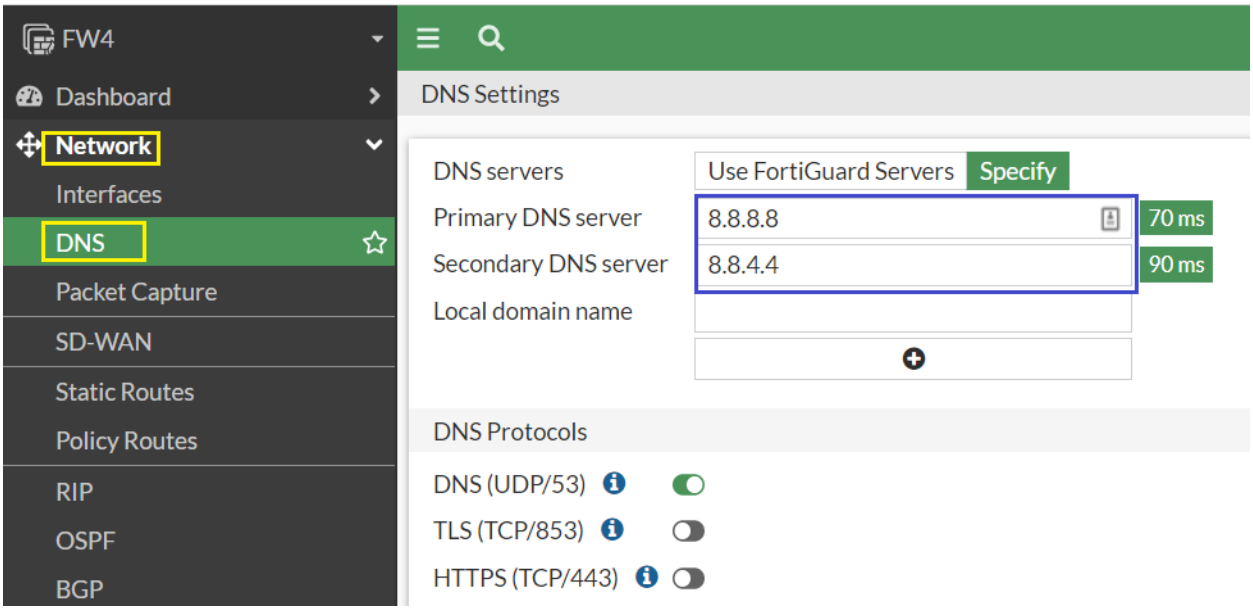
Type the name, Alias, select Interface type Aggregate, Assign the Gateway IP address.



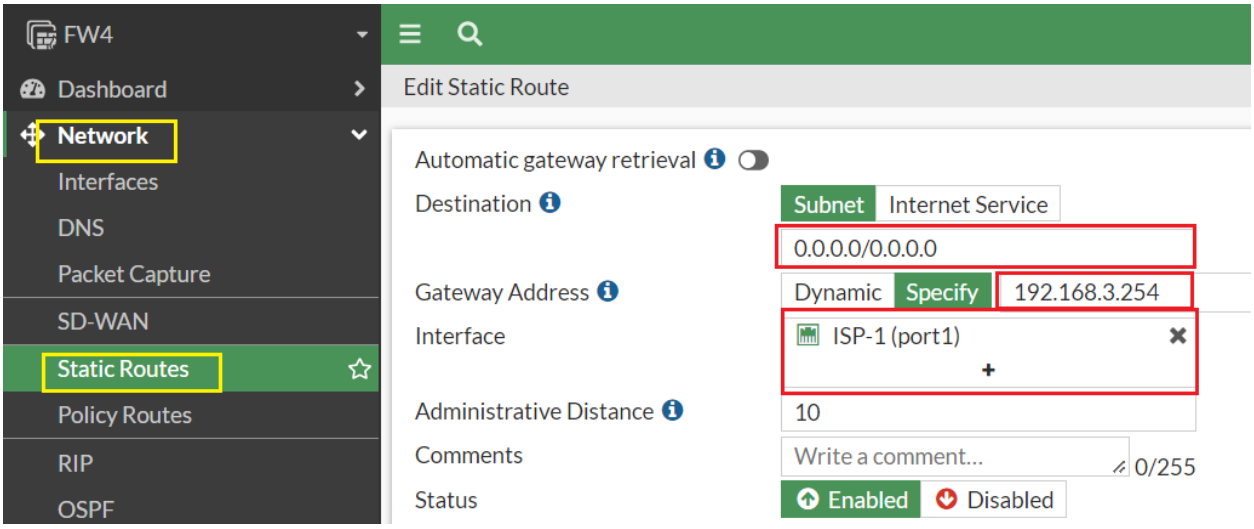
Finally, Aggregate interface has been configured combine Port3 and Port4.

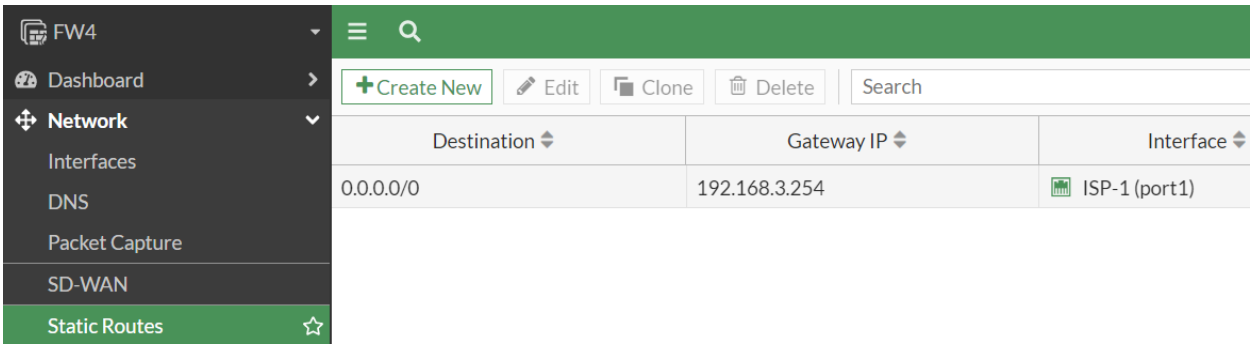


Go to Network > DNS Set DNS Servers to Specify, Configure the primary and secondary DNS servers as needed. Configure additional DNS settings as needed Click Apply.

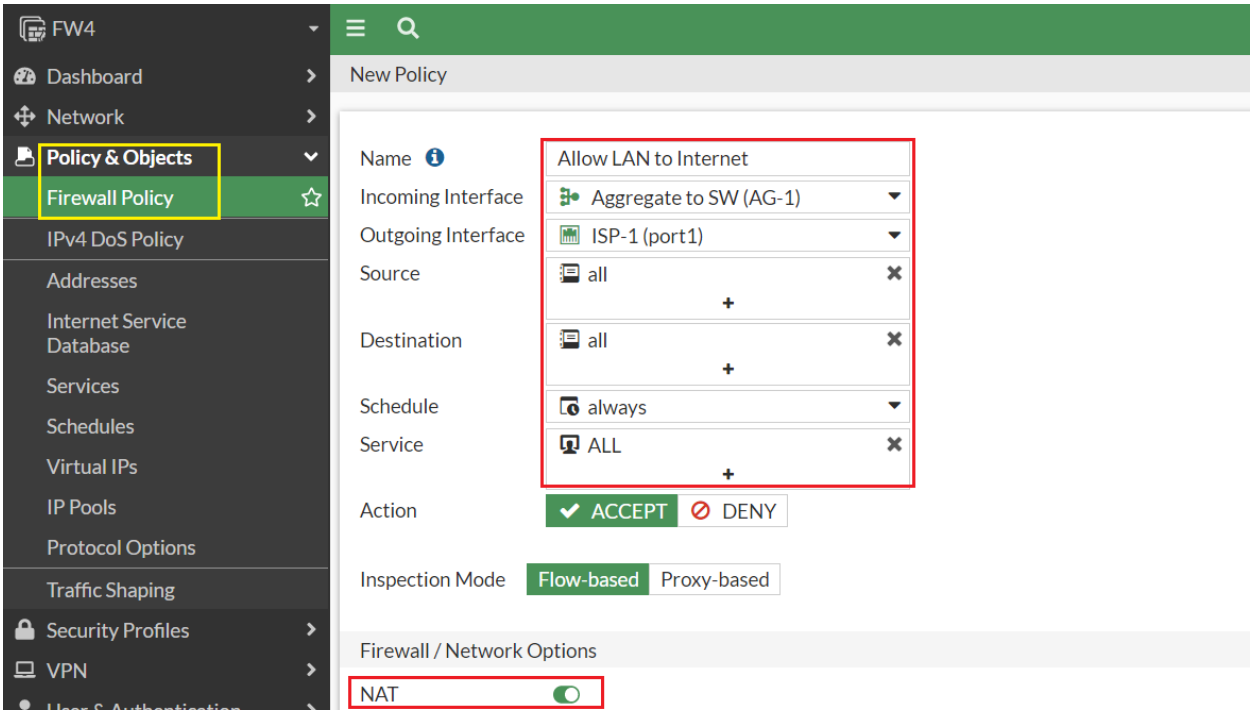


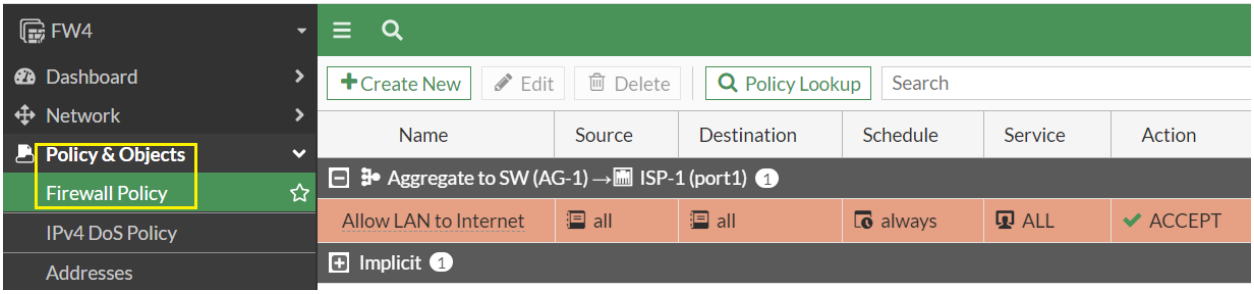
Create a new default route, go to Network > Static Routes.



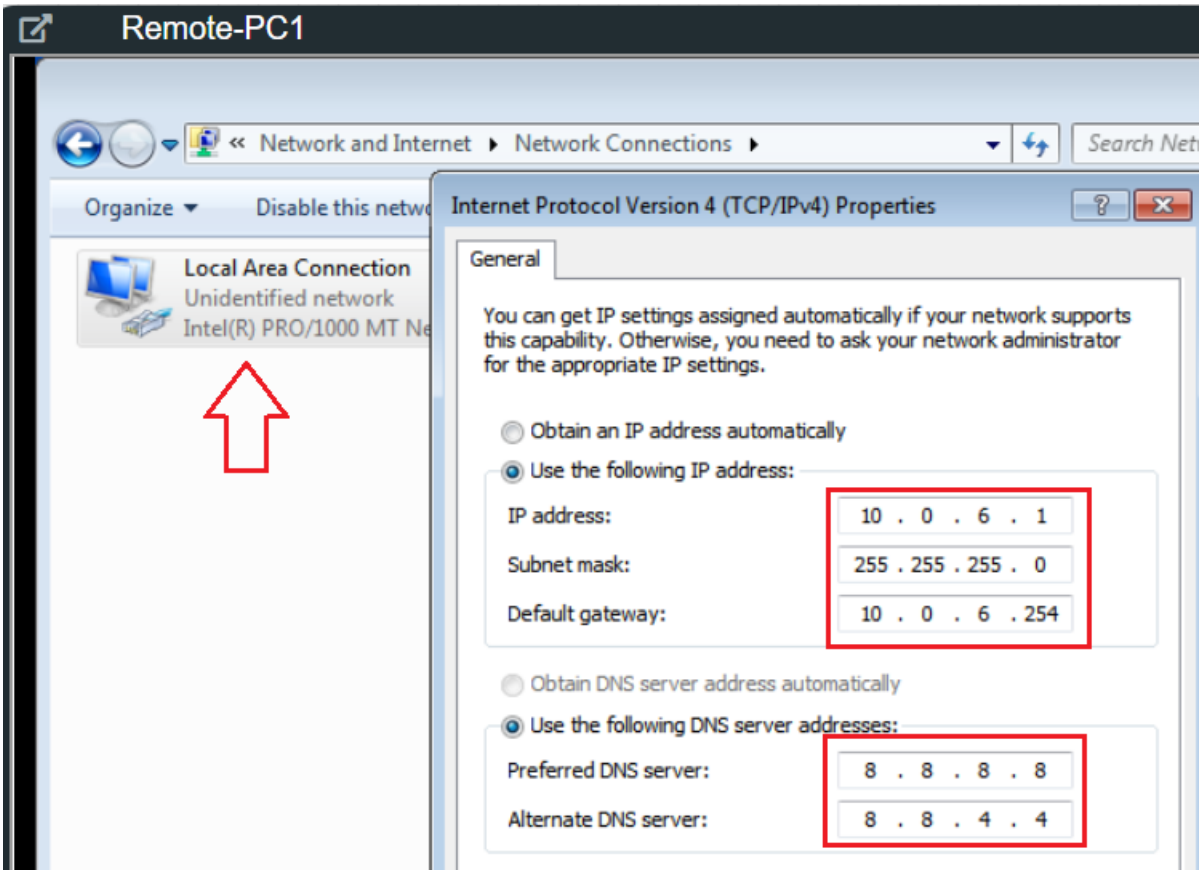


Create a firewall policy, go to Policy & Objects > Firewall Policy, and click Create New. Type the name of the Policy, choose incoming Interface Aggregate, outgoing Interface ISP-1 click OK.



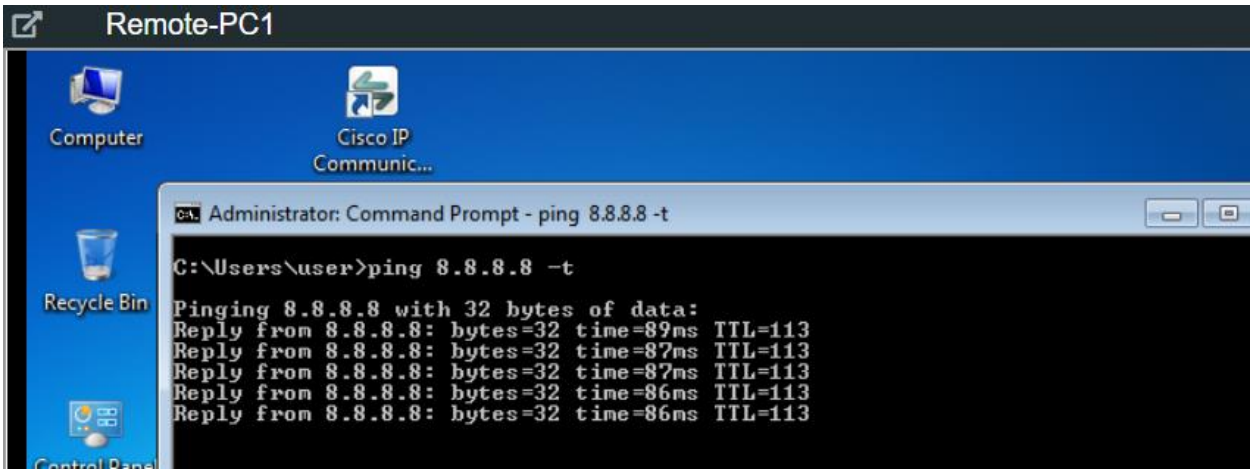


Assign IP address to Remote-PC1 10.0.6.1 with subnet mask 255.255.255.0.



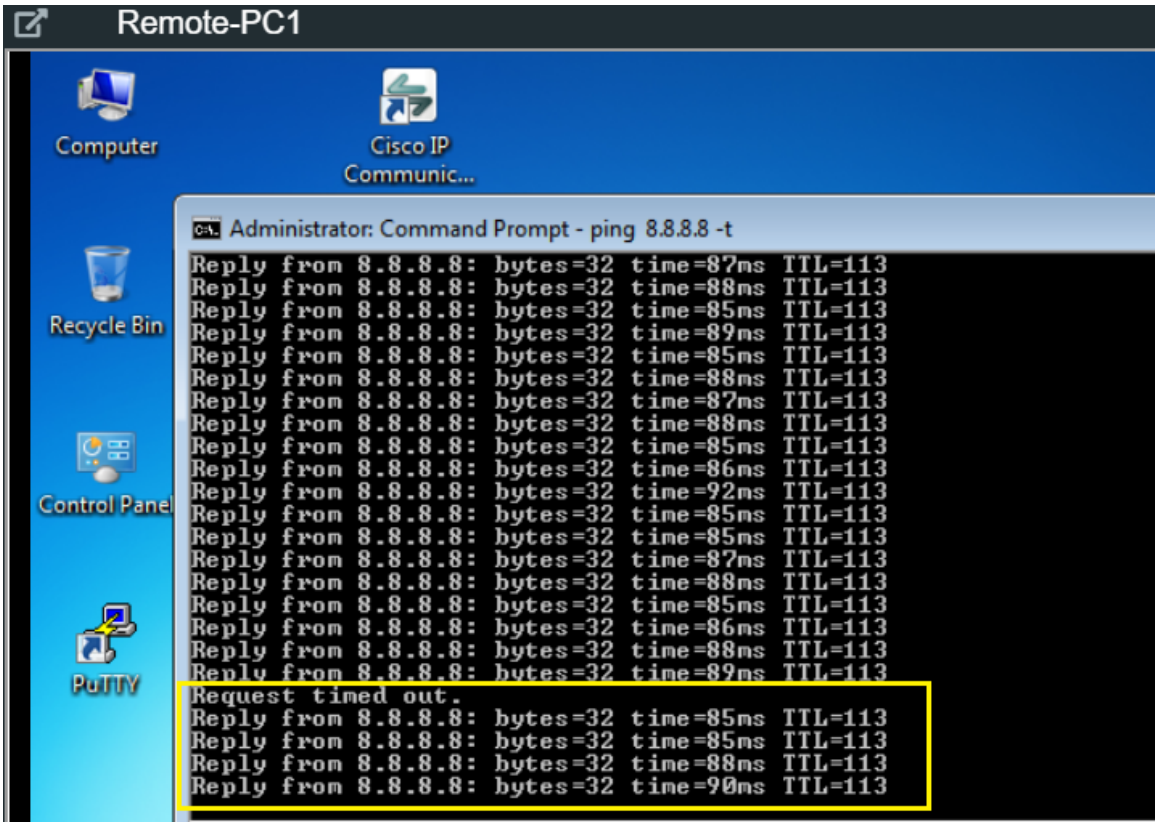
Test and Verification:

Let's try continue ping from Remote-PC1 to google DNS 8.8.8.8



Shutdown Switch interface
Remote-SW(config)#interface e0/3 Remote-SW(config-if)#shutdown

After shutdown the interface there is one drop the interface switchover.



Shutdown FW interface
Remote-SW(config)#interface e0/3 Remote-SW(config-if)#no shutdown

After bring up the interface there is one drop the interface switchover.