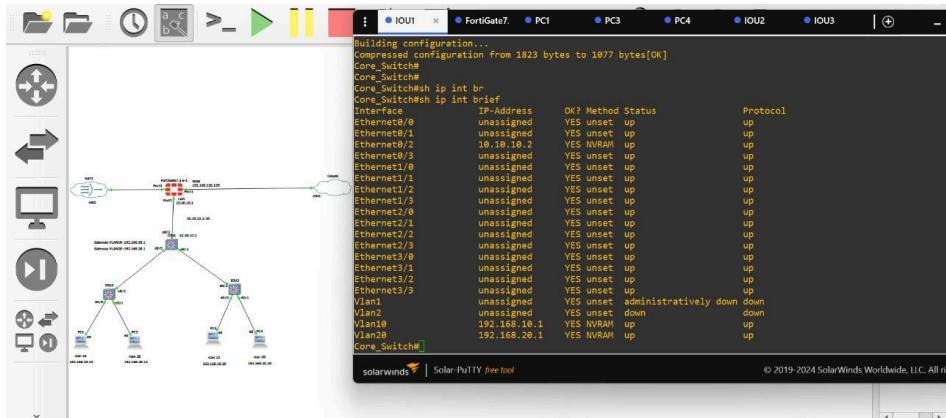


Report 3

Testing and Troubleshooting:

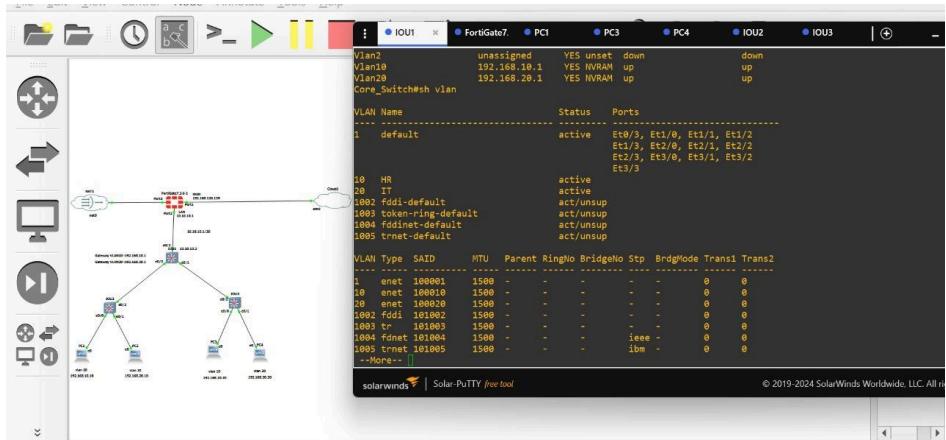
Core_Switch Testing:

IPs on interfaces



Building configuration...
Compressing configuration from 1823 bytes to 1077 bytes[OK]
Core_Switch#sh ip int br
Core_Switch#sh ip int brief
Interface Status Protocol
Ethernet0/0 unassigned YES unset up
Ethernet0/1 unassigned YES unset up
Ethernet0/2 10.10.10.2 YES NVRAM up
Ethernet0/3 unassigned YES unset up
Ethernet0/4 unassigned YES unset up
Ethernet1/1 unassigned YES unset up
Ethernet1/2 unassigned YES unset up
Ethernet1/3 unassigned YES unset up
Ethernet1/4 unassigned YES unset up
Ethernet2/1 unassigned YES unset up
Ethernet2/2 unassigned YES unset up
Ethernet3/0 unassigned YES unset up
Ethernet3/1 unassigned YES unset up
Ethernet3/2 unassigned YES unset up
Ethernet3/3 unassigned YES unset up
Vlan1 unassigned YES unset administratively down down
Vlan2 unassigned YES unset down down
Vlan10 192.168.10.1 YES NVRAM up up
Vlan20 192.168.20.1 YES NVRAM up up
Core_Switch#

VLANs on Core_Switch

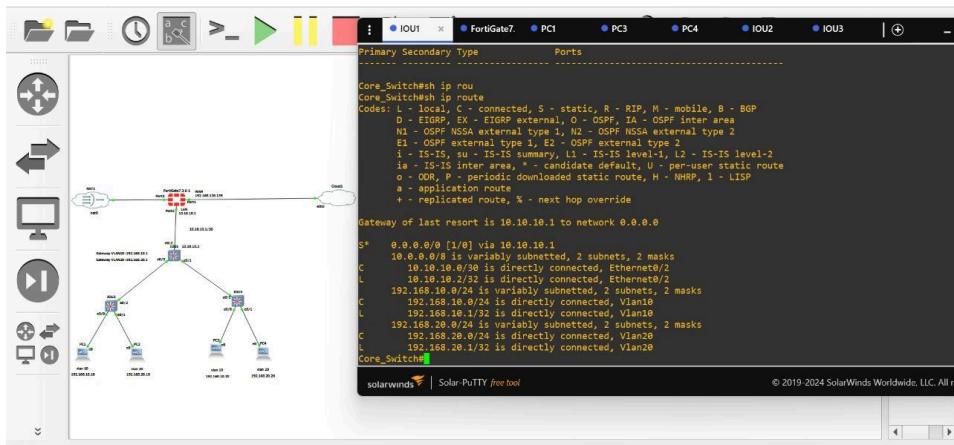


Vlan2 unassigned YES unset down down
Vlan10 192.168.10.1 YES NVRAM up up
Vlan20 192.168.20.1 YES NVRAM up up
Core_Switch#sh vlan
VLAN Name Status Ports

1 default active Et0/3, Et1/0, Et1/1, Et1/2
Et1/3, Et2/0, Et2/1, Et2/2
Et2/3, Et3/0, Et3/1, Et3/2
Et3/3
10 HR active
1002 null-default active
1002 collocation-default active/unsup
1004 fddi-default active/unsup
1005 tristate-default active/unsup
VLAN Type SAID MTU Parent RingNo BridgeNo Stp BrdgMode Trans1 Trans2

1 anet 100001 1500 - - - - 0 0
10 anet 100010 1500 - - - - 0 0
20 anet 100020 1500 - - - - 0 0
1002 Fddi 101002 1500 - - - - 0 0
1003 ISDN 101003 1500 - - - - 0 0
1004 Fonet 101004 1500 - - - IEEE - 0 0
1005 Tristate 101005 1500 - - - IBM - 0 0
--More--

Routing Table

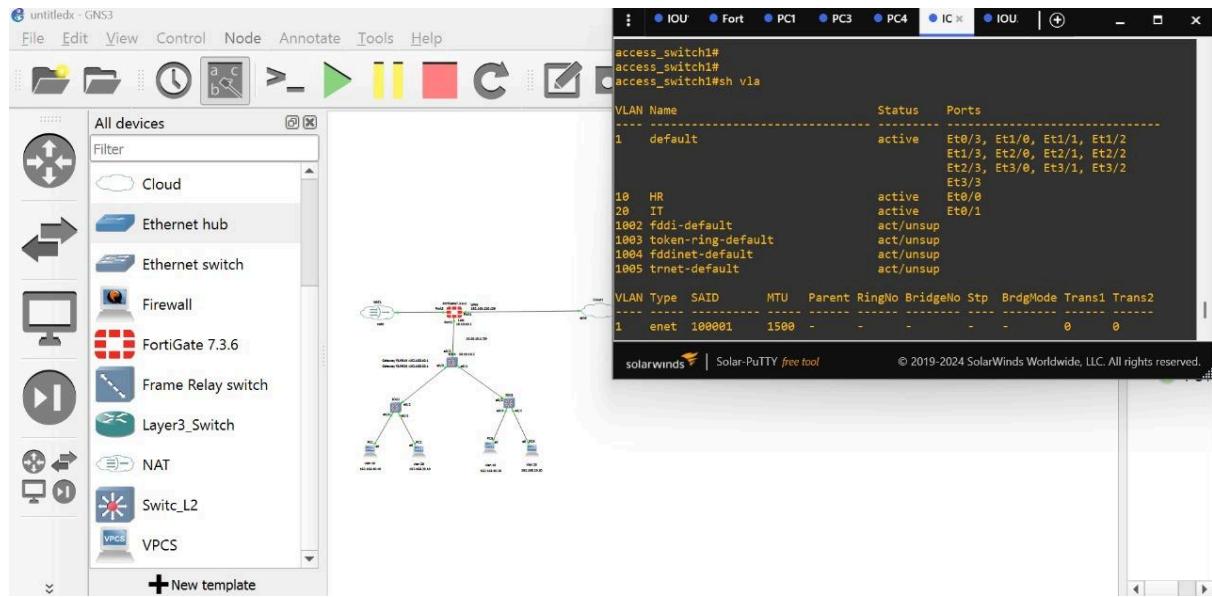


Primary Secondary Type Ports

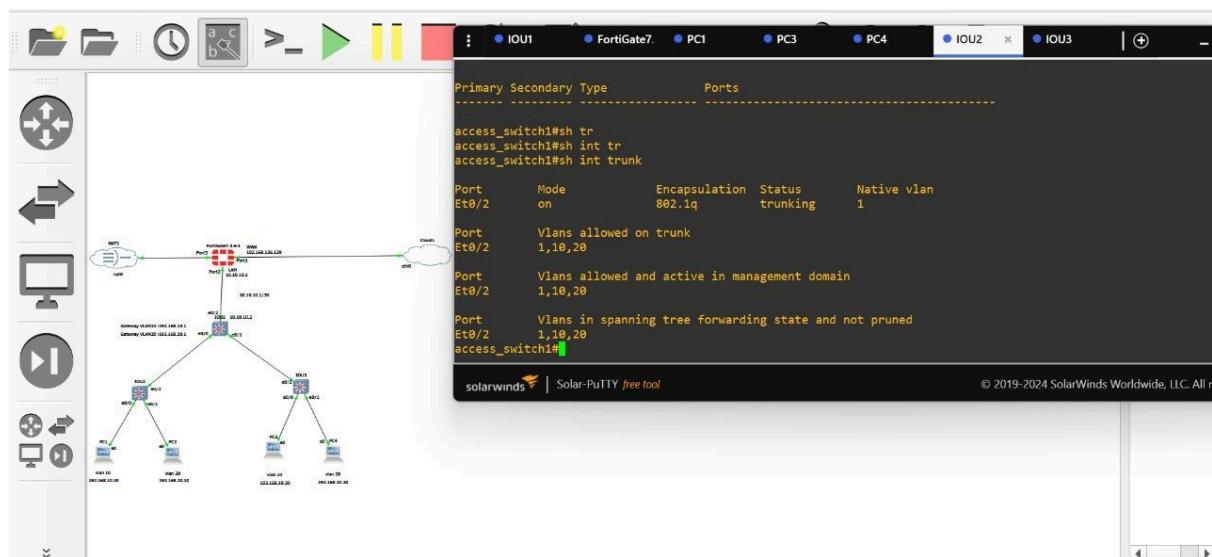
Core_Switch#sh ip route
Codes: C - Local, L - connected, S - static, R - RIP, M - mobile, B - BGP
D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2
i - IS-IS su, IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2
is - IS-IS inter subnet, * - candidate default, U - per-user static route
o - COR, P - periodic downloaded static route, H - NHRP, l - LISPF
a - application route
+ - replicated route, % - next hop override
Gateway of last resort is 10.10.10.1 to network 0.0.0.0
S* 0.0.0.0/0 [1/0] via 10.10.10.1
10.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C 10.10.10.0/30 is directly connected, Ethernet0/2
L 0.0.0.0/32 is directly connected, Ethernet0/2
192.168.10.0/24 is variably subnetted, 2 subnets, 2 masks
C 192.168.10.0/24 is directly connected, Vlan10
L 192.168.10.1/32 is directly connected, Vlan10
C 192.168.20.0/24 is variably subnetted, 2 subnets, 2 masks
L 192.168.20.0/24 is directly connected, Vlan20
Core_Switch#

Switch_1:

VLANs on Switch1

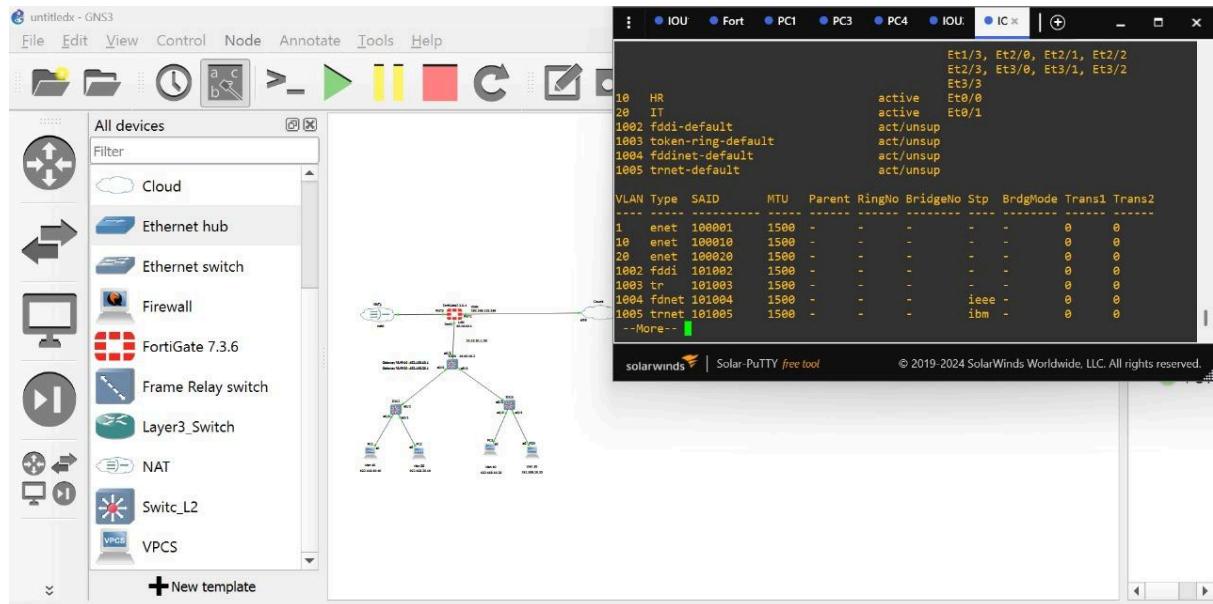


Trunk interfaces

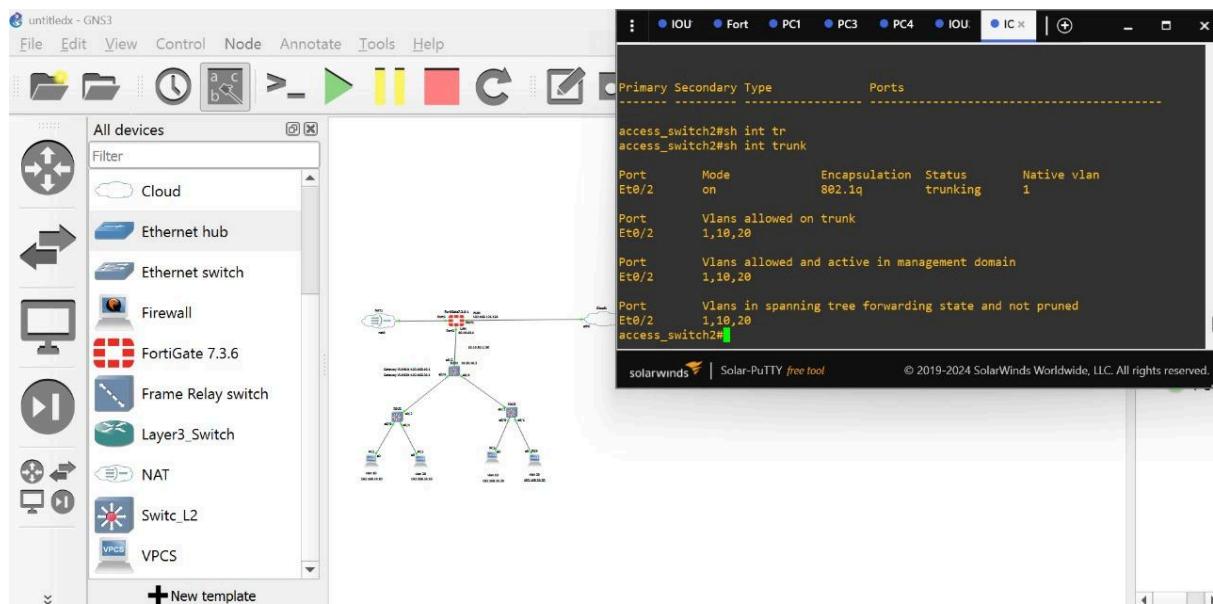


Switch_2:

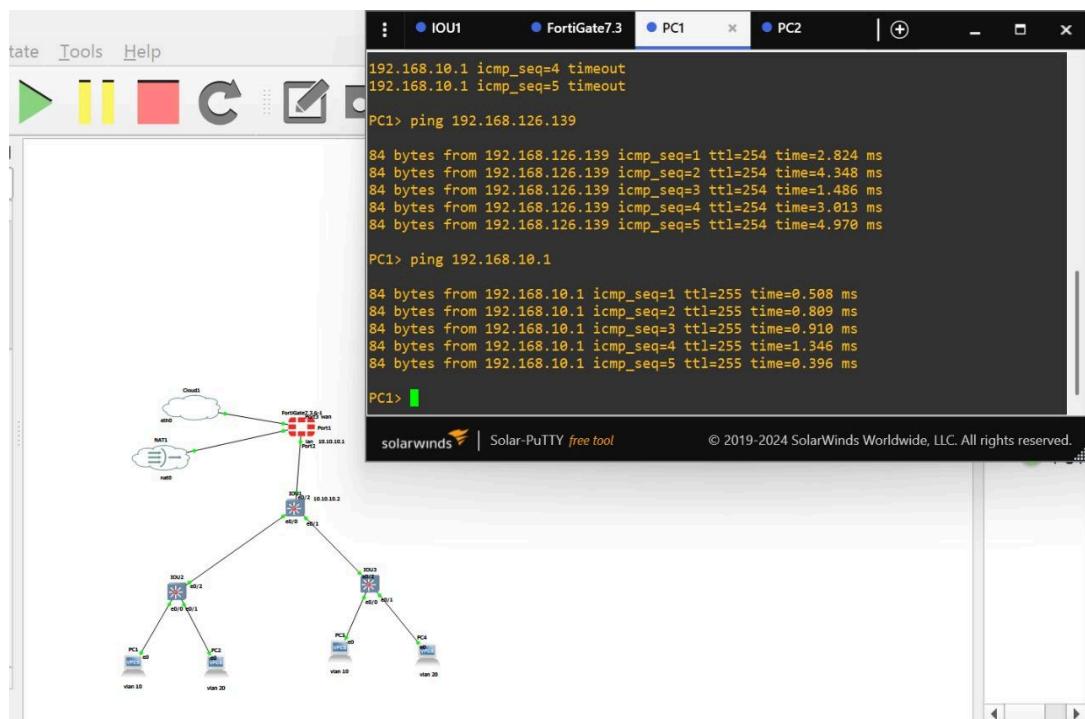
VLANS on Switch



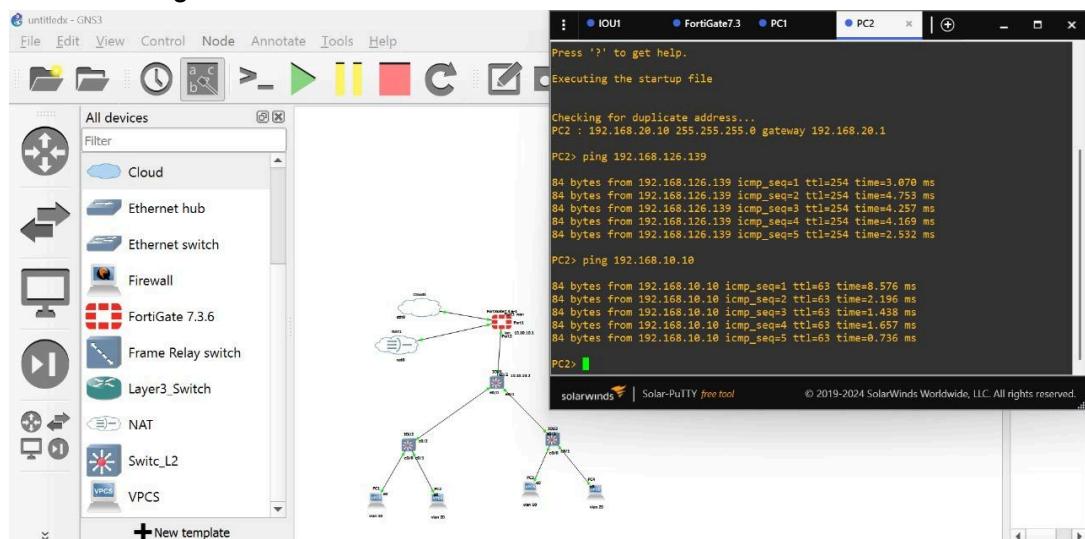
Trunk Interfaces



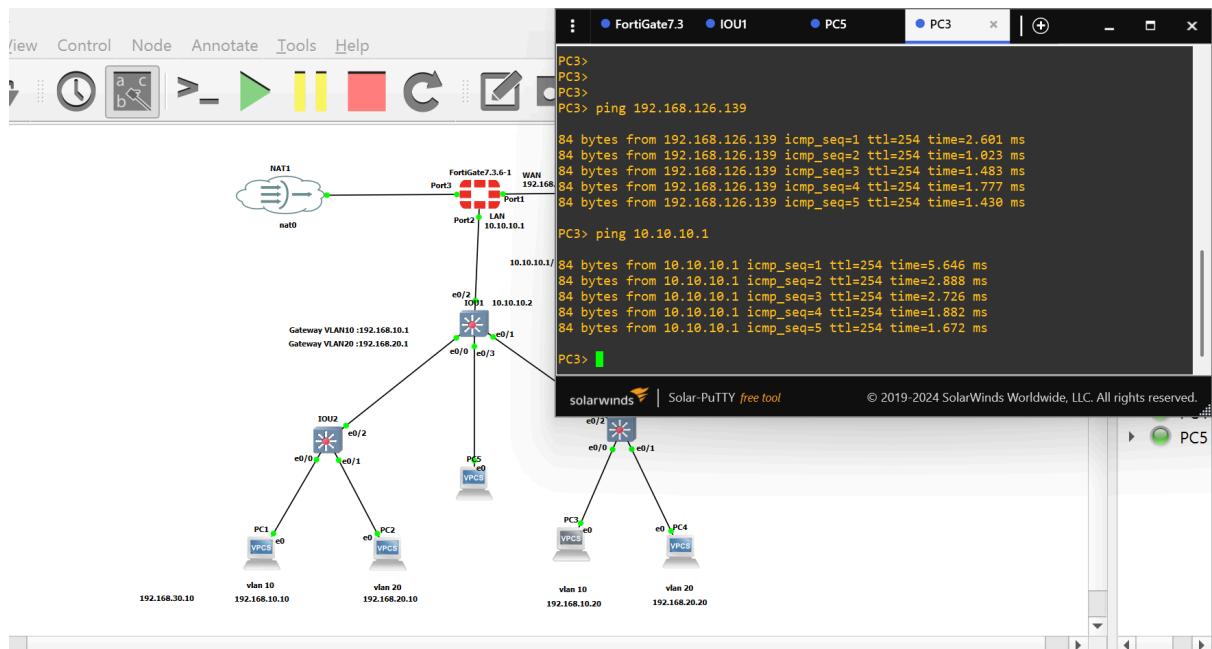
1-PC1 Testing:



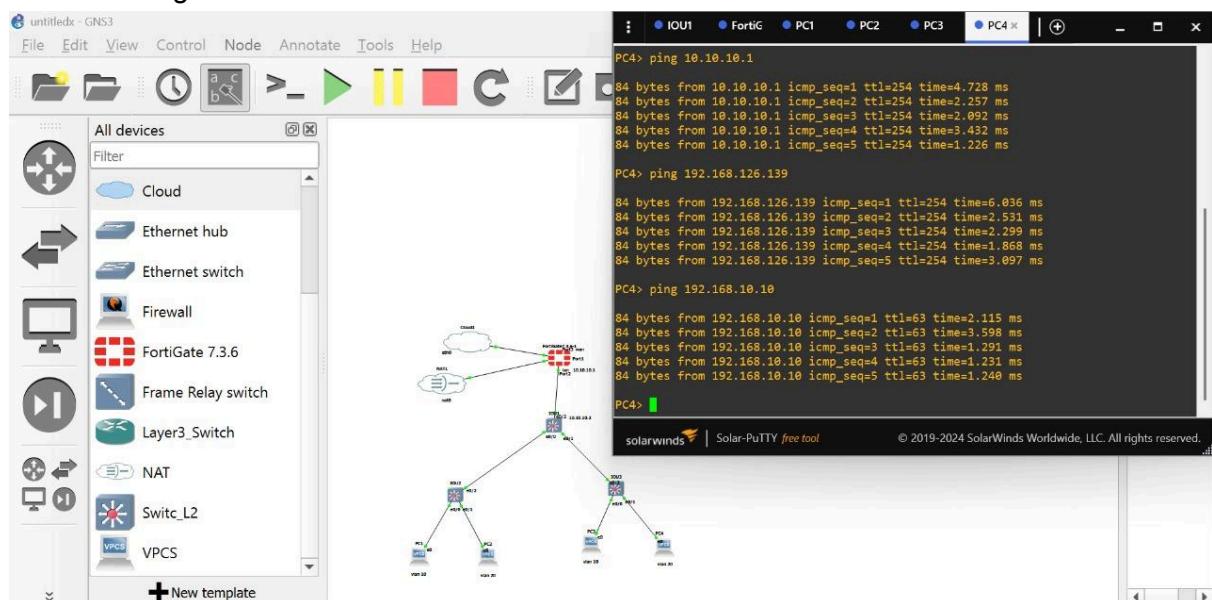
2-PC2 Testing:



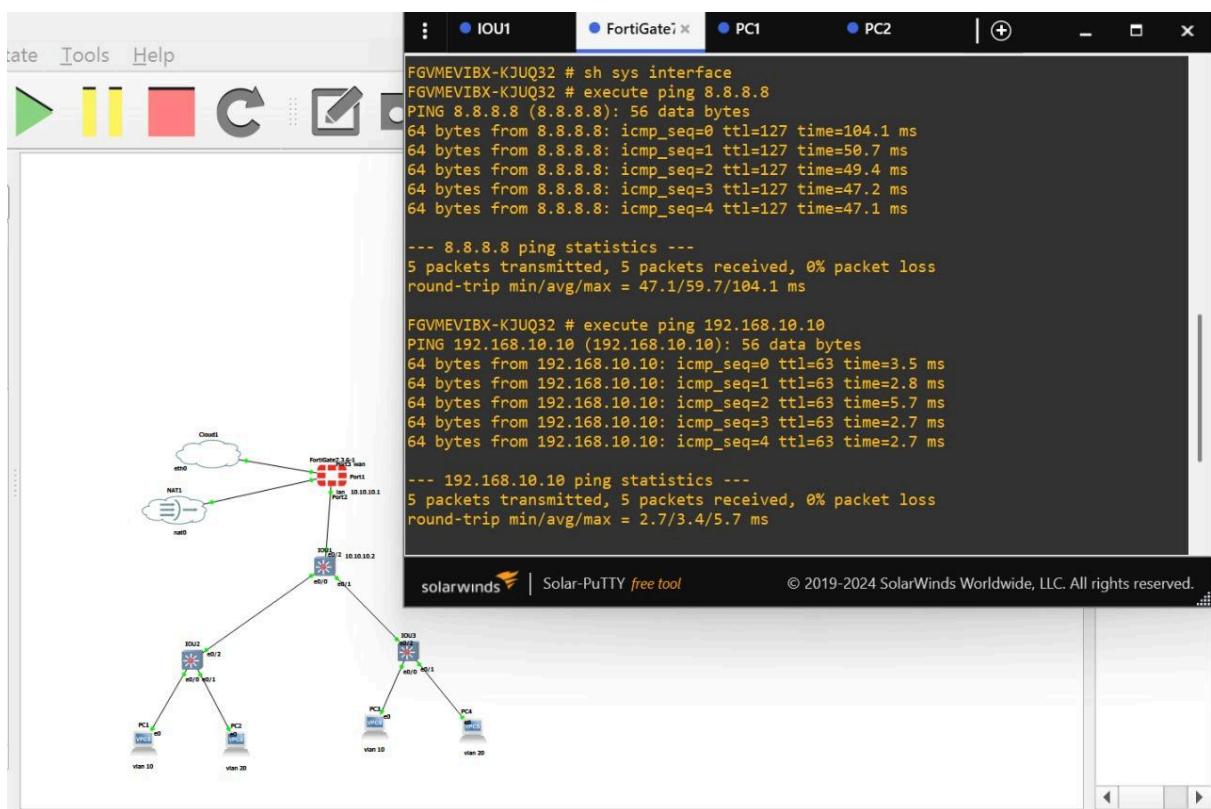
3-PC3 Testing:



4-PC4 Testing:



Firewall Testing:



Ping on Out of scope IP:

