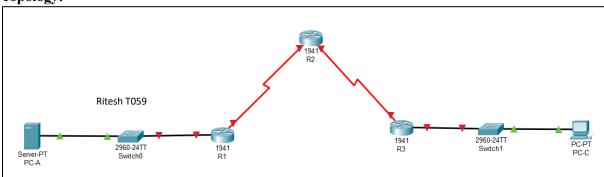
INDEX

Prac.	Aim	Date	Signature
NO.			
1	Configure local AAA for console line and for VTY(virtual terminal) lines	13/12/2024	
2	Packet Tracer - Configure Cisco Routers for Syslog, NTP, and SSH Operations	20/12/2024	
3	Configure IPV6 ACL (access control list) that will block http and https access on R1 and allow all other IPV6 traffic to pass.	03/01/2024	
4	Configure IPV6 ACL to block ICMP(Internet Control Message Protocol) access on R3 and allow all other IPV6 traffic to pass	10/01/2025	
5	Configure an ACL that will permit FTP and HTTP access on R1 verify ACL implementation on PC1 only FTP and PC2 only HTTP	07/02/2025	
7		21/02/2025	
6		07/03/2025	

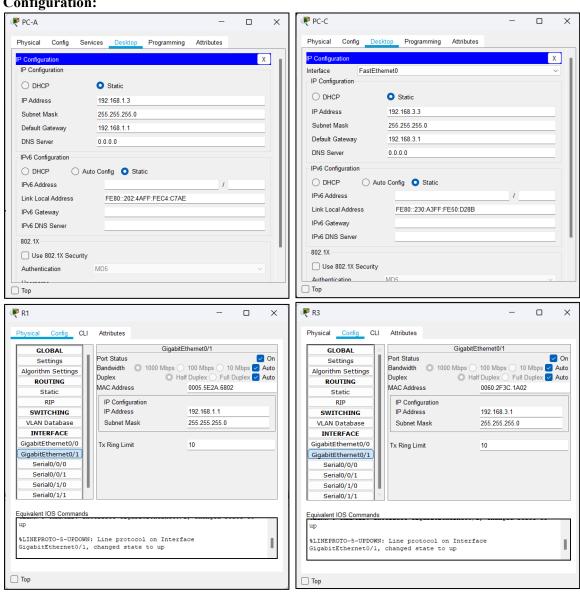
PRACTICAL 6

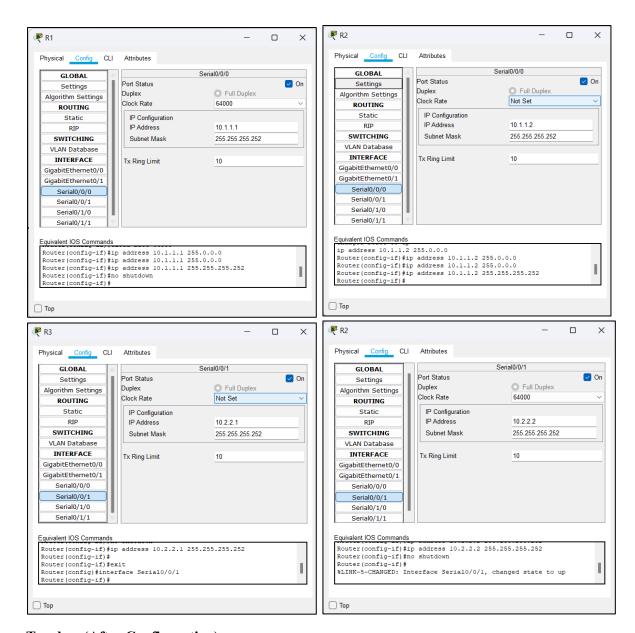
Aim: Configure a zone based policy firewall.

Topology:

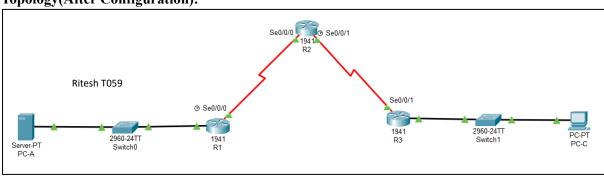


Configuration:



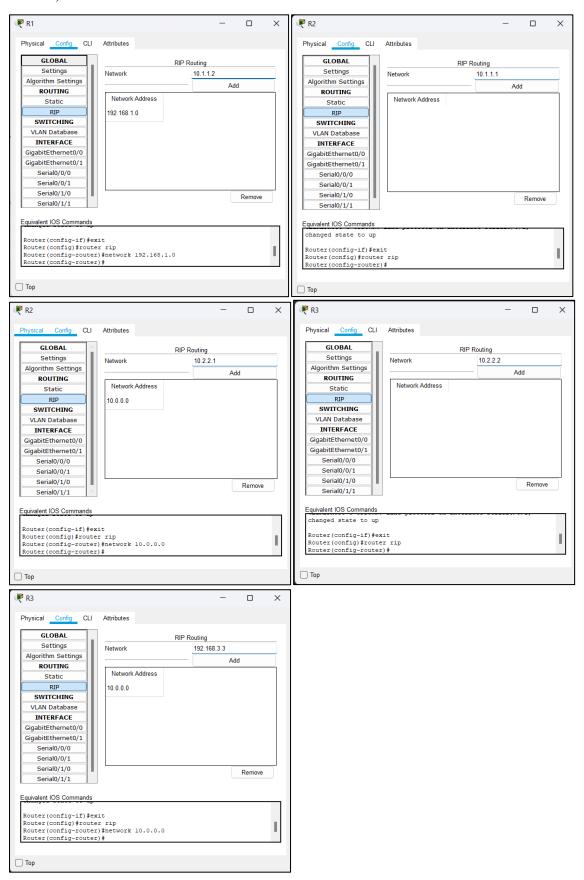


Topology(After Configuration):

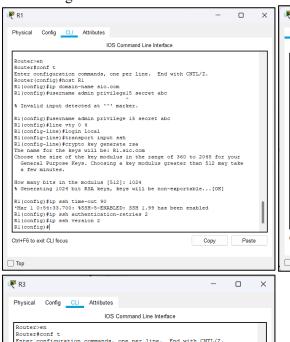


RIP Routing:

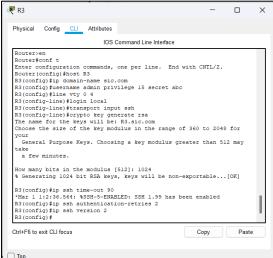
Add RIP Addresses (enter 10.1.1.0, the router makes it 10.0.0.0 automatically but it should be entered 10.1.1.0) The router also converts 10.1.1.0 and 10.2.2.0 to 10.0.0.0 so it takes it as 1 IP address



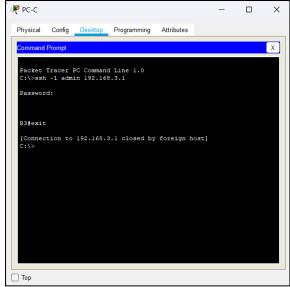
SSH Configuration in CLI:



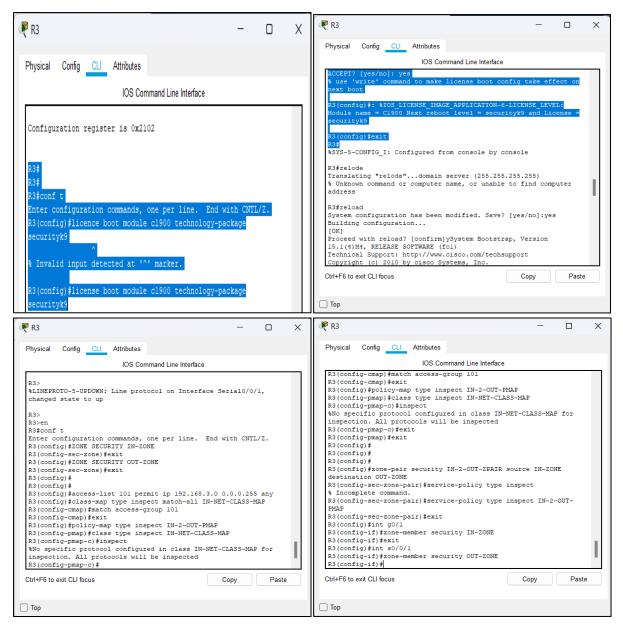




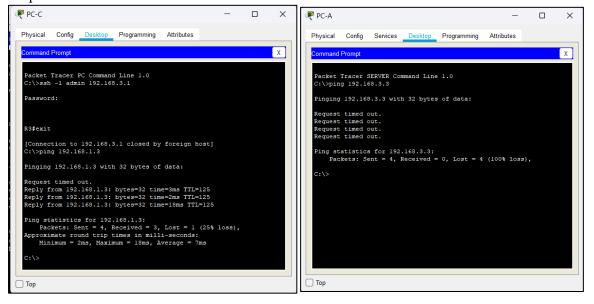
Create firewall zones on R3:







Output:

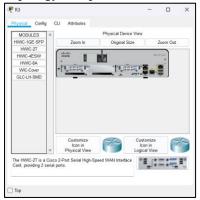


PRACTICAL 7

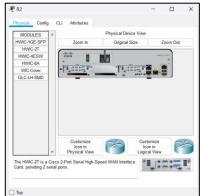
Aim: Configure IP ACL to mitigate attacks

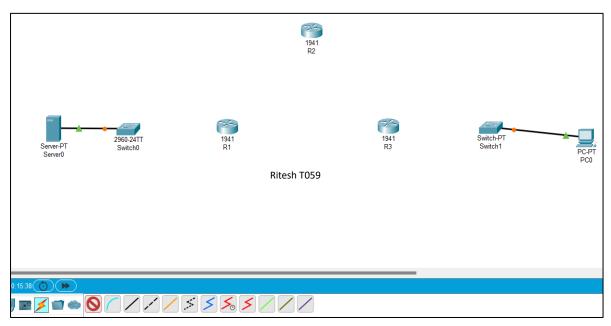
- a) Verify connectivity before firewall configuration
- b) Use ACL to ensure remote access to the router only from PC.
- c) Configure ACL on R1 to mitigate attacks and verify ACL functionalities.

Topology Setup:





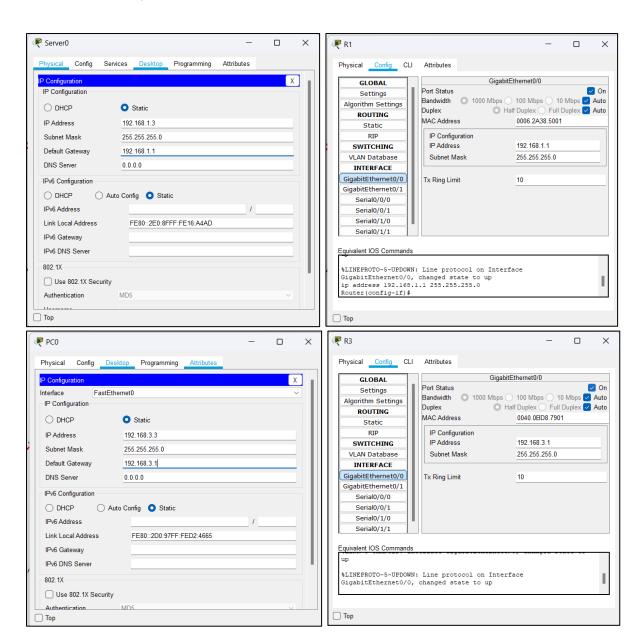


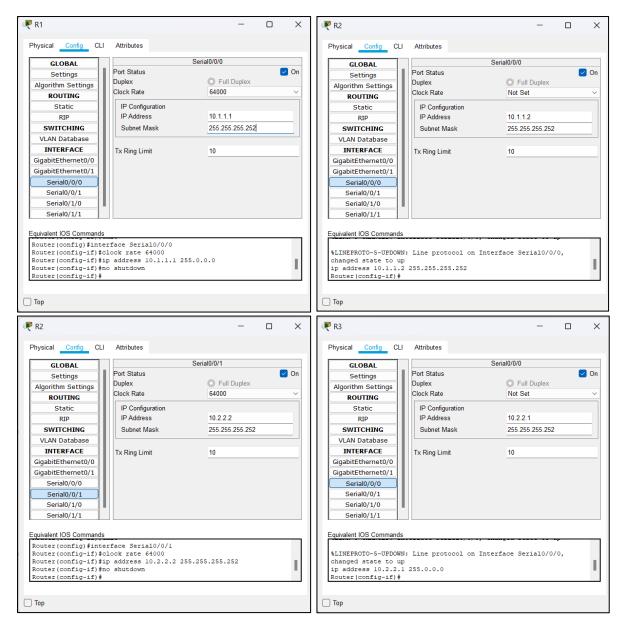




505///

Topology Configuration

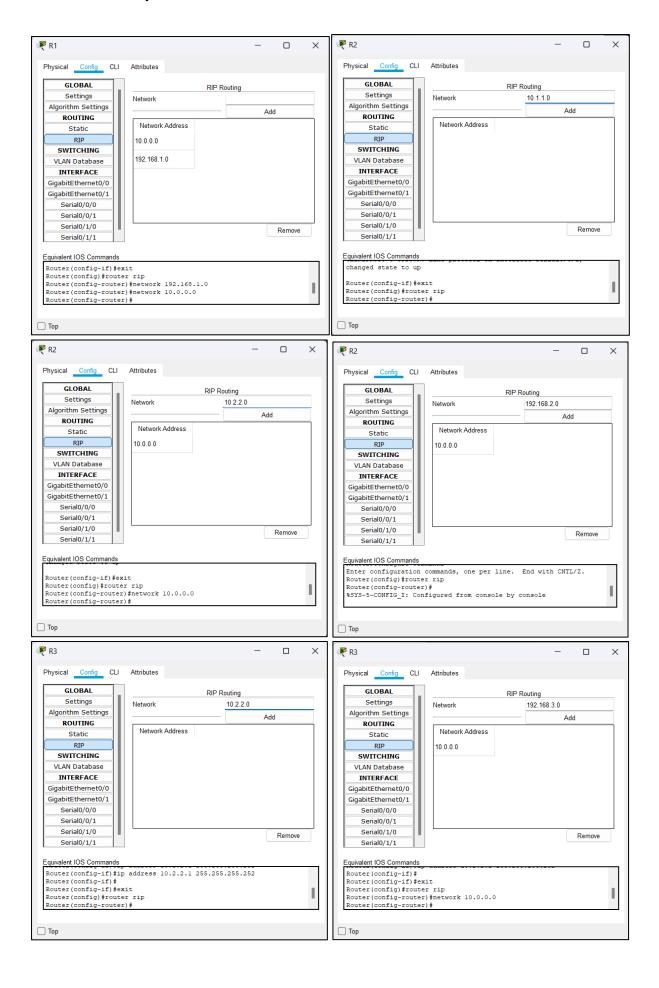




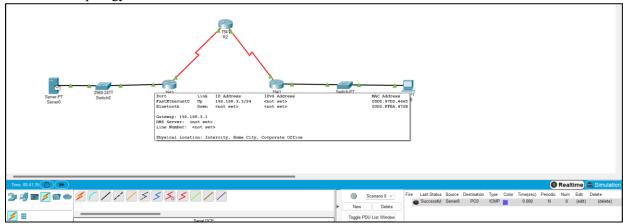
RIP Routing:

Add RIP Addresses (enter 10.1.1.0, the router makes it 10.0.0.0 automatically but it should be entered 10.1.1.0)

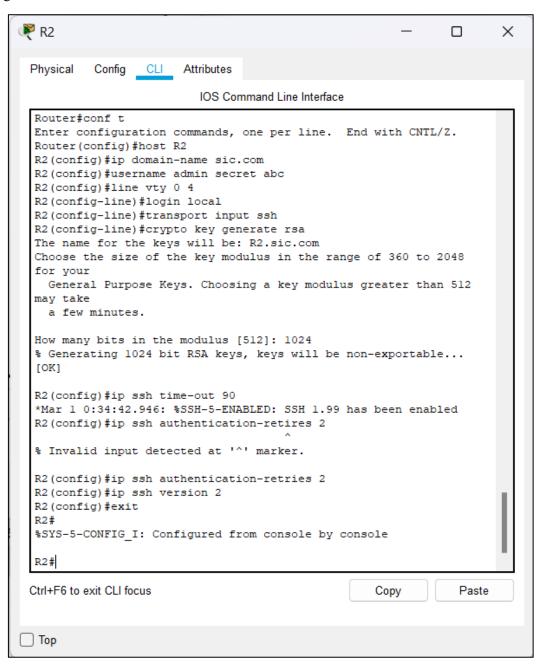
The router also converts 10.1.1.0 and 10.2.2.0 to 10.0.0.0 so it takes it as 1 IP address



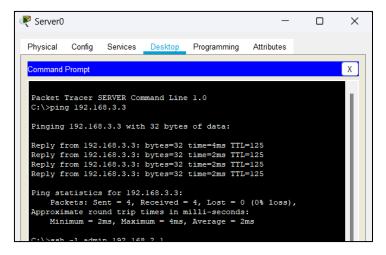
Successful Topology:



Configure SSH on R2



(wait for this part as it is not complete)



Configure ACL on routers(block all remote access to the routers accept from PC)

