CSE3052 - INFORMATION SECURITY MANAGEMENT DIGITAL ASSIGNMENT-4 ALOKAM NIKHITHA 19BCE2555

Experiment-7

TITLE:

Dynamic NAT

AIM:

To implement Dynamic NAT

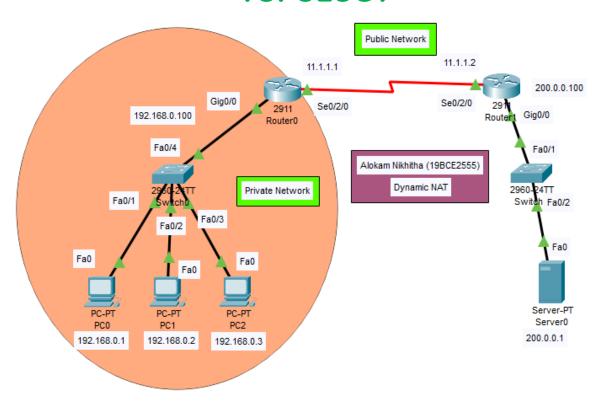
PROCEDURE:

Dynamic NAT

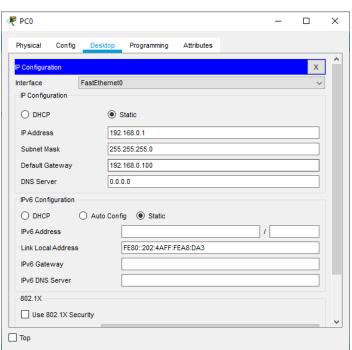
Procedure.

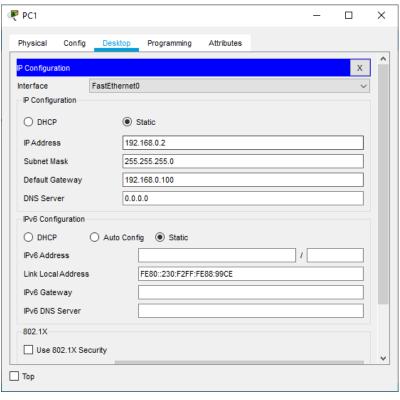
- 1. Select 3PCs, 2 Switches, 2 Routers and 1 server.
- 2. Connect 3 PCs to a router with a switch for between them. and connect the server to the another router with a switch.
- 3. Configure the PCs with 1p configurations 192.168.0.1 to PCD, 192.168.0.2 to PC1, 192.168.0.3 to PC2. and 192.168.0.100 as gareway.
- 4. Set the IP configuration of server as 20.0.0.1 and the gateway with ip address 20.0.0.100.
- 5. Set both the voulters in Serial and connect them with Se 0/2/0 ports.
- 6. Set the "p addr of the se oldo connot" in souter with 11.1.1.1 and figolo connect" with 192.168.0-100 "p address. of Router o.
- J. Similarly set seolulo connoth with 11-1-1-2 and fig 010 connecth with 20-0-0-100 P.
- 8. Implement Dynamic NAT.
- 9. We the message can be successfully passed from PCO to server, PCI to server and also PC2 to server.

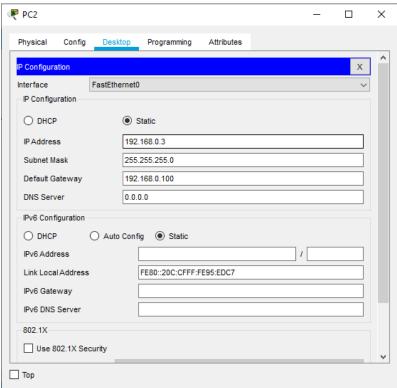
TOPOLOGY



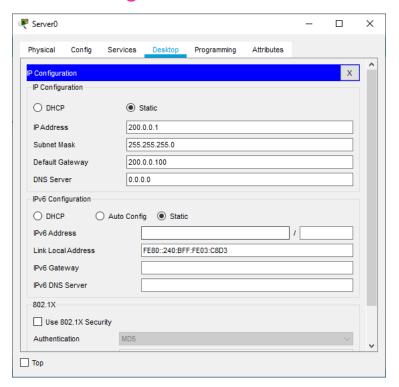
PC Configuration



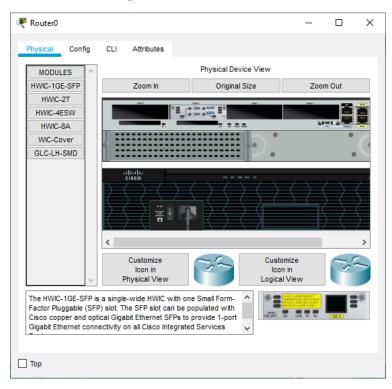




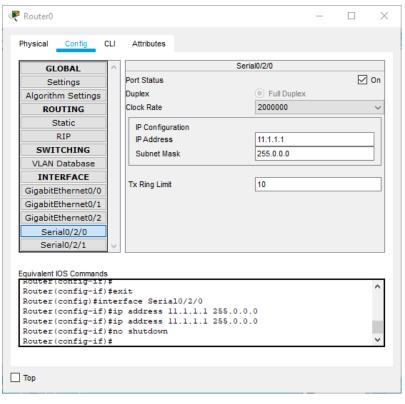
Server Configuration

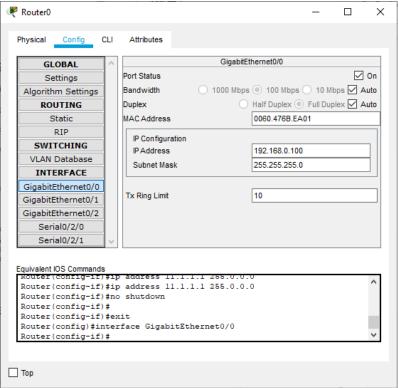


Router Configuration

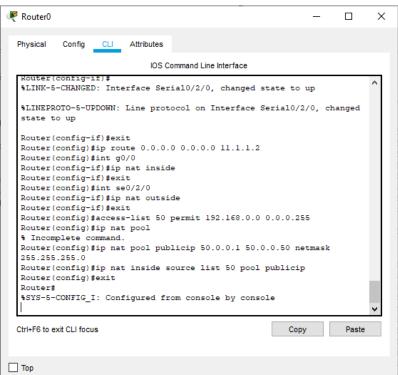


Changing it to serial connection

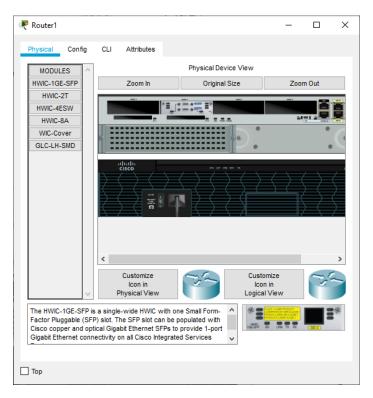




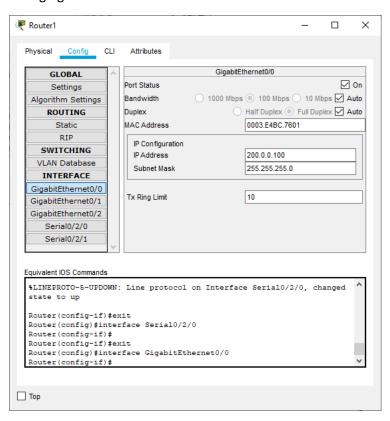


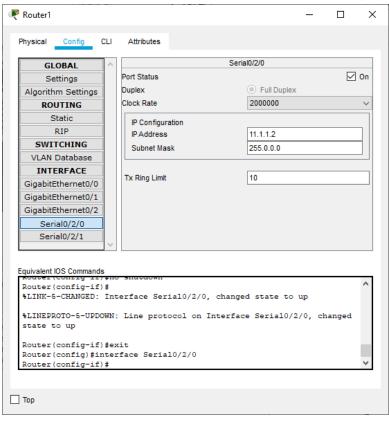


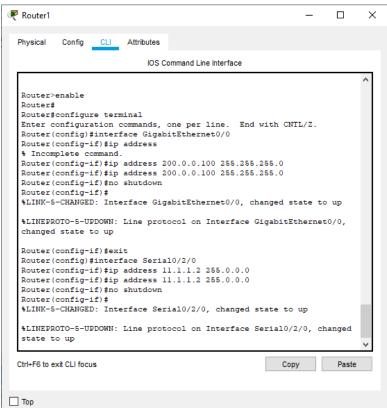
Router 1

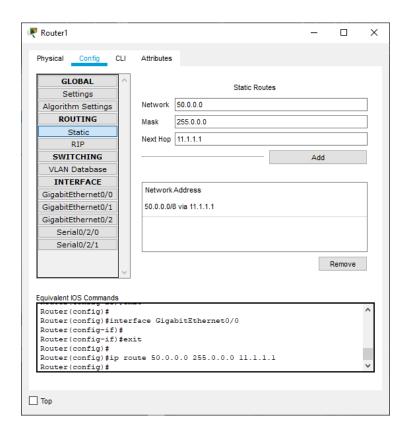


Changing it to serial connection



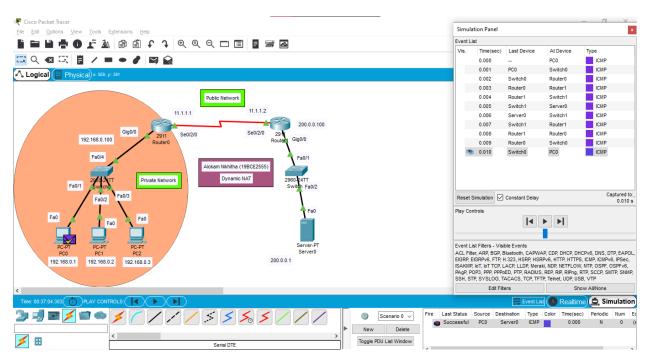




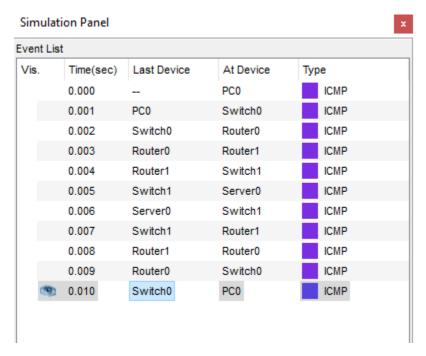


Results

PC0 to server



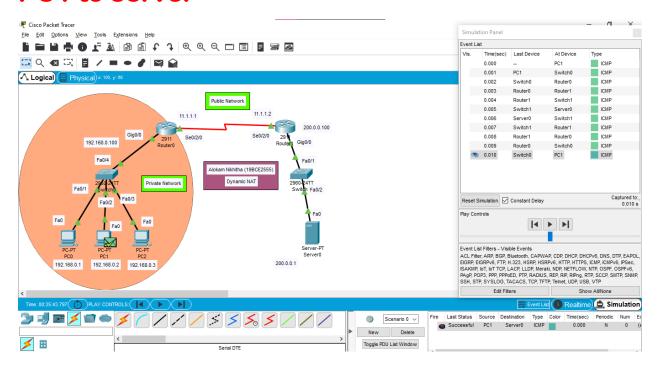
Event List



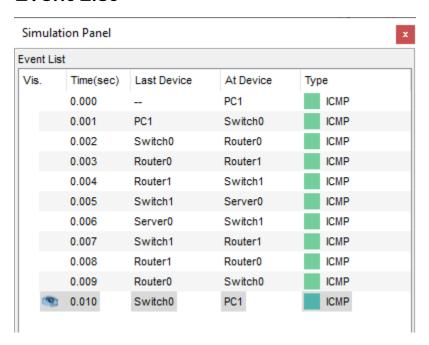
PDU List Window



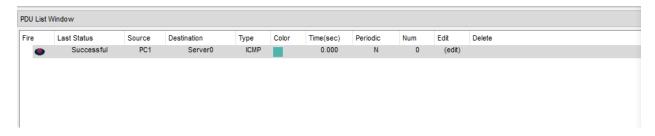
PC1 to server



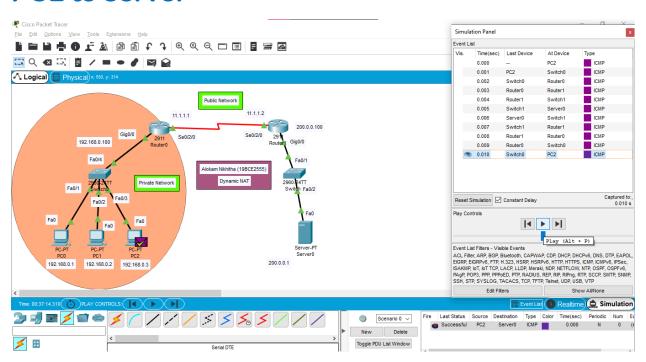
Event List



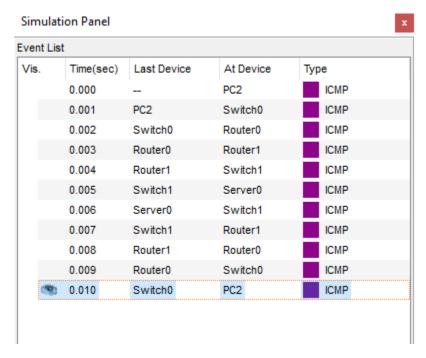
PDU List window



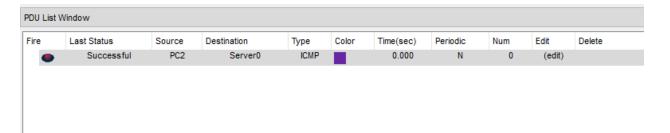
PC2 to server

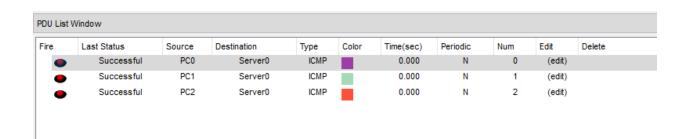


Event List



PDU List Window





Conclusi	on				
2 routers in s	serial connection	ssfully implemented Dynamic NAT by connecting the rial connection and the message packet is passed rver0, PC1 to Server0 and also PC2 to Server0.			