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NETWORK ADDRESS TRANSLATION (NAT) USING CISCO PACKET TRACER
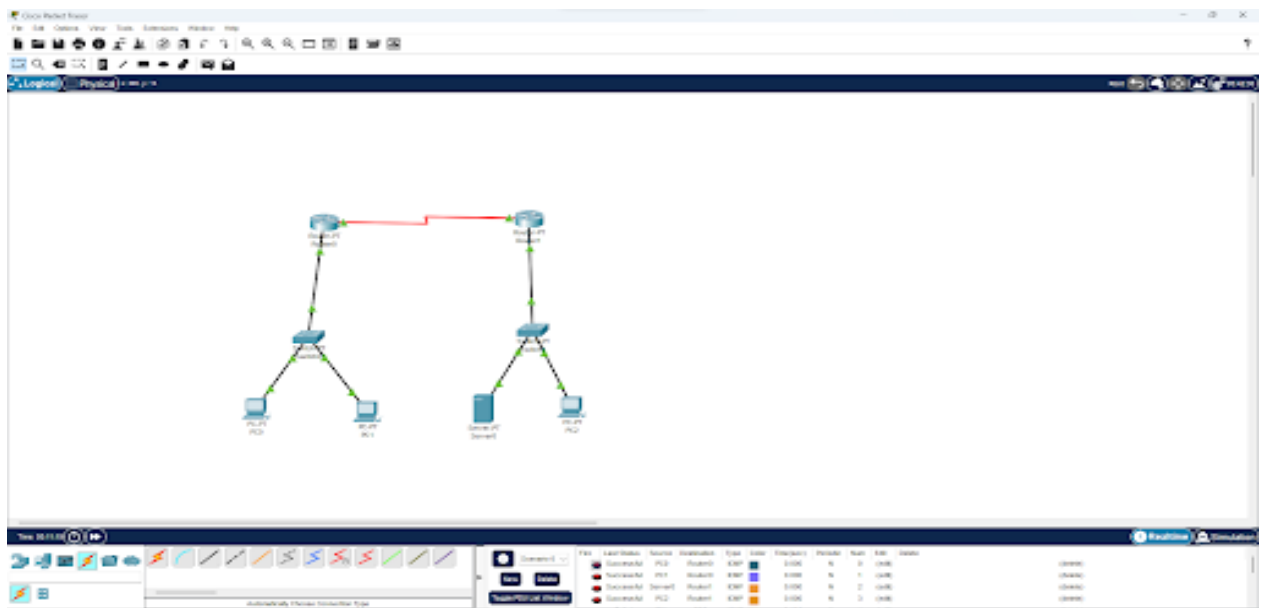
Aim:

To configure and verify Network Address Translation (NAT) in Cisco Packet Tracer so that multiple private IP addresses can access the internet using a single public IP address.

Algorithm:

1. Open Cisco Packet Tracer and create a new network topology.

2. Connect the router, switch, PCs, and an external server or cloud.

3. Assign IP addresses to all devices.

4. Configure the router interfaces for inside and outside networks.

5. Define the private network addresses to be translated.

6. Configure NAT to enable communication between private and public networks.

7. Save the configuration and test connectivity using ping.

OUTPUT:

Result:

   Network Address Translation (NAT) was successfully implemented using Cisco Packet Tracer.