11. Configuration of a simple static Reacting in a packet tracer using a simple topology with two routers

Aim :

To configure a router using packet tracer software and hence to transmit it.

Software used :

packet tracer / End device, Hub.

Procedure :

1. start packet tracer
2. choose device and connections
3. single click on end devices
4. configuring IP address
5. Verify connectivity in Real time mode.

Result :

Thus the expected output is achieved.

12. Design the function and explanation of TCP using packet tracer.

Aim:

To design the function and exploration of TCP using packet tracer.

Software used:

Packet tracer/end devices, Hub.

Procedure:

1. setup the network topology
2. configure IP addressing
   PC1 can have IP address 192.168.1.1
   PC2 have Ip address 192.168.1.2
3. configure the routes.

command:

enable
configure terminal
interface fast Ethernet 0/0
IP address 192.168.1.254 .255.255.0
no shutdown
end.

4. Test the connection

5. Explore TCP functionalities

RESULT :

Thus the expected Output is verified.

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13. Design the Network/Model for subnetting - classic addressing using packet tracer.

Aim :

To design the network model for subnetting - classic addressing using packet tracer.

software used : packet tracer / End devices, Hub.

Procedure :

1. click on end devices / select pc.
2. click on switch and drop it on window
3. Double click select → desktop → Ip
4. Now set Ip address to Host A, the Host B and Host C.
5. to view Ip address command configure Ip
6. Now display the packet transmission in simulation mode.

Result :

The expected output is acheived.

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14. simulating x, y, z company Networks design and simulating using packet tracer.

Aim :

To simulate x, y, z company networks design and simulate using packet tracer.

software used :

Packet Tracer / End users, Hubs, switches.

Procedure :

1. open packet tracer
2. create a Network diagram
3. configure the routine
4. congifier switches
5. Configure the server
6. Configure the security

Result :

Thus, the expected output is achieved

15. **Configure of DHCP in packet tracer.**

Aim :

To configure DHCP in packet tracer.

software used :

packet tracer / end devices, Hubs.

Procedure :

1. Launch cisco packet tracer, create a new topology.

2. Add necessary network devices the topology.

3. configure the DHCP server

4. Configure the switch

5. Configure the DHCP clients

6. start the simulation.

7. Verify DHCP operation.

Result:

Thus, the expected output is verified.