Configure IP address to routers in packet tracer. Explore the following messages: ping responses, destination unreachable, request timed out, reply

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Date 23 06 23
Create IP address to nouters, in packet traces
Explore the following messages: ping responses,
destroction unreachable request timed out, outly.
Step 1: Place H PC's on workspace and 3 nouter
        on workspace
Step 2: Connect 2 Pc's to one nouter & another
         2 PCS to other nouter connect these
         2 nouters to third nouter.
Step 3: Set the IP address of 15t PC as 10.00.1
          Set the IP address of 2nd pc to 20.0.0.1
    and gateway to 20.0.0.2

Set the IP address of 3rd pc to 30.0.0.1

and gateway to 30.0.0.2

Set the IP address of 4th pc to 40:010!
    and gateway to Ho.O.O.2
Step H: In CLI of router 1, and my july ?
               · enable
                 config terminal of willing
       interface fastethernet 0/0
ip address 10.0.0.2 255.0.0.0
            no shutdown
Repeal the same in CLI of router 2
Step 5: In CLI of router 1,
To set the serial configuration
                  config terminal
interface fastetherest serial 2/0
ip address 50.0.0.1
                   no shutdown
              Repeat the same in router 2 & router 3
```

Command prompt Outfut: In PCI, ping 30.0.0.1 pinging 30.0.0.1 with 32 bytes of data Reply from 20.0.0.2: Destination had unreachable Riply from 10.0.0.2: Destration host unreachable · Reply from 10.0.0.2: Destination hast unreachable Reply from (0.0.0.2: Destination host unreachable ping statistics for 30,0,0,11 Packets: Sent = H: Recei Hed = 0 LOSI - H (1001-Loss) since, IP address 30,0.0.1 is not directly connected to router 1, 30; manually 30.0.00 needs to be connected to router 1 In CLI of router 1. To set the steetic configuration. enable config berninal Ep noute 30.0.0.0 255.0.0.0 50.0.0.3 3p route \$10.0.0.0 255.0.0.0 500.03 ip route 60.0.0,0 255.0.0,0 50.0,0,3 Same is superated to router 2. 4 south 3 view ip route. 70 show ip routel 10.0.0.018 is directly connected, FastEthernet 010. 20.0.0.0 8 is directly connected, Fast Ethernet 1/0 [1/0] wa 50.0.0.3 30-0-0-0/8 5 40.0.0.018 [10] wa so-0-0-3 5 50-0-0-013 is directly connected, Sortal 2/0

[1/0] wa 50.0.0.3

60.0.0.018

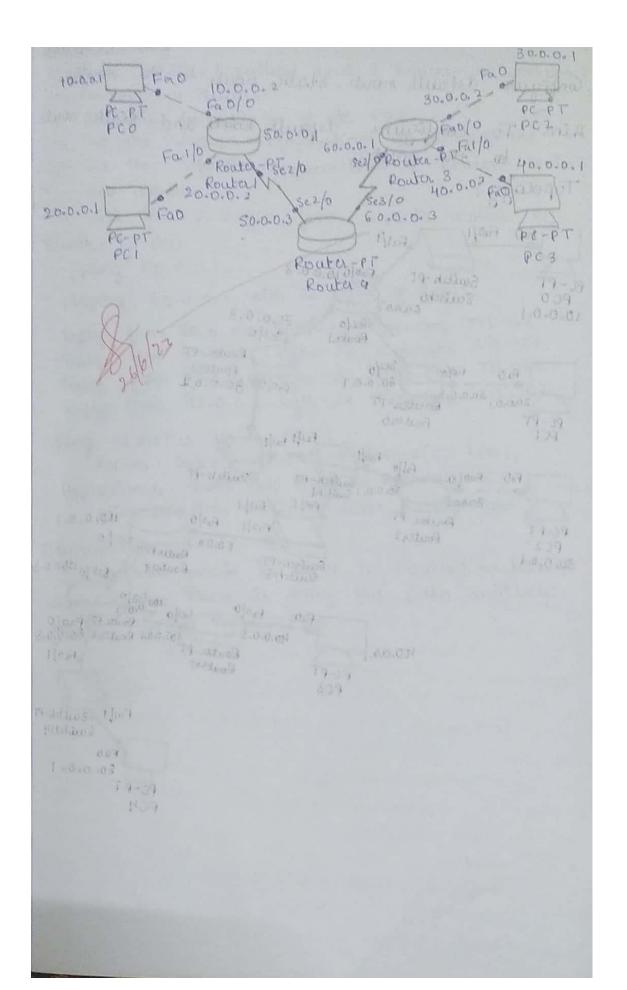
In PCI, Ring 30.0.0.1 Pinging 300001 with 32 bytes of classa Reply from 13 is min 1000 E parents Riquest timed out a sugar unger Reply from 30.0.0.1: bytes = 32 time = 5 ms Reply from 30.0.0.1: bytes = 32 time = 2ms TTL = 125 Reply from 30.0.0.1: bytes = 32 time = 15ms TTL = 125 Reply from 30.0,0.1: bytes = 32 time = 15 ms Pring statistics for 30.0.0.1

Packets: Sent = 4, Received = 3, Lost = 1 (25 1 - Loss), Approximate nouted doup temes in milli seconds: Approximate trauted doup temes.

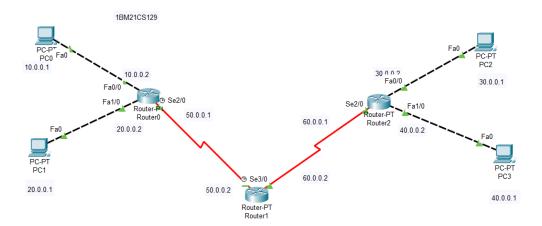
Approximate trauted doup temes.

Minimum = 2 m s. Marcimum = 10 m s. A vergy - 5 ms.

First is lost since it takes time to identify. the path. I study of bottomine and of about ping 30.0.0.1 Pinging 30.0.0,1 with 32 bytes of delia Reply from 30.0.0.1: bytes = 32 time = 3 ms FTT= 125 Reply from 30.0.0.1: bytes=32 1 time=11 ms TTL=128 Reply from 30.0.0.1: bytes = 32 time = 4 ms TTL = 125 Reply from 30.0.0.11 by we 32 fine - 6ms TTL-125 Ring statistics for 30.0.0-1: Packels Sent = H. Received = 4, Lost = D (0% loss). Approximate mound trip time in mill seconds: Minimum = 3 ms. Marumum = 11 ms. Average = 6 ms Topology



Topology:



Output:

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TCT
  Physical
               Config Desktop Programming
                                                        Attributes
   Command Prompt
   Ping statistics for 10.0.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
   C:\>ping 30.0.0.1
   Pinging 30.0.0.1 with 32 bytes of data:
   Reply from 20.0.0.2: Destination host unreachable. Reply from 20.0.0.2: Destination host unreachable. Reply from 20.0.0.2: Destination host unreachable.
   Reply from 20.0.0.2: Destination host unreachable.
   Ping statistics for 30.0.0.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
   C:\>ping 50.0.0.1
    Pinging 50.0.0.1 with 32 bytes of data:
    Reply from 50.0.0.1: bytes=32 time<1ms TTL=255
   Reply from 50.0.0.1: bytes=32 time<1ms TTL=255 Reply from 50.0.0.1: bytes=32 time<1ms TTL=255
   Reply from 50.0.0.1: bytes=32 time<1ms TTL=255
    Ping statistics for 50.0.0.1:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds:
         Minimum = Oms, Maximum = Oms, Average = Oms
    C:\>ping 50.0.0.2
    Pinging 50.0.0.2 with 32 bytes of data:
    Request timed out.
    Request timed out.
    Request timed out.
    Request timed out.
    Ping statistics for 50.0.0.2:
         Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```