

Procedure

- . Configure the PC's with IP address a getowny are to the topology seen above.
- as given in the topology.
- Encapsulation PPP A clock sate need to be sel as done in RIP Protocol Exp.

du Routa RT,

R (config) H souter osp []

RI (config - router) # souter id 1.1.1.

RI (Config - 8 outer) H wetwork 20.0.00. 255. 255. 255 avan 1

121 (config- souta) HExit

In Router R2

R2 (Config) # souly OSP[]

R2 (Config - Vouta) H vouta -id 2.2.2.2

R2 (Config - touter) H network 20.0-0:00 255.255.255 aven 1

P2 (60ufiz - rower) Huetwork 30.0.0.0.255.255.255.area 0

RZ (Config - routa) # Exit

Bu Router, R3

R3 (louting) H souter OSP 1

R3 (conty Jouter) H souter - id 3.3.33

R3 (conty Jouter) H network 30.0.0.0 0.255.255 area 0

R3 (conty Jouter) H network 40-0.0.0 0.755.255.255 area

R3 (conty Jouter) H network 40-0.0.0 0.755.255.255 area

R3 (confy Jouter) H Exit.

Next Step :-

RI (config-ib) Hinterface 100pback D RI (config-ib) Hip add 172.16.1.255.255.00 Pl (config-ib) Has Shutdown

R2 (Config-i6) # interface hopbade o.
R2 (Config-i6) # ibaddress 172.16.1.283 255.255.0.00
R2 (Config-if) Has Shut down.

R3 (config-i6) # interface loopbacker.

R3 (config-i6) # ip addrex (72.16.1.254 255.2550.00

R3 (config-i6) # no shit down.

Next Step

RI (config) Hoouta asp6 1.

121 (config-Souta) # area 1 iristual - link 2.2.2.2

R2 (config) H souter OSP61
R2 (config-souter) H area! vistual linke! 1.1.
R2 (config-souter) H Exit.

output

Pinging 40.0.0.10 with 32 bytes of data Request timed out

Reply boom 40.0.0.10: byte = 32 time = 2 ms TTL=125

Reply boom 40.0.0.10: byte = 32 time = 9 ms TTL=125

Reply boom 40.0.0.10. byte = 32 time = 10 ms TTL=125.

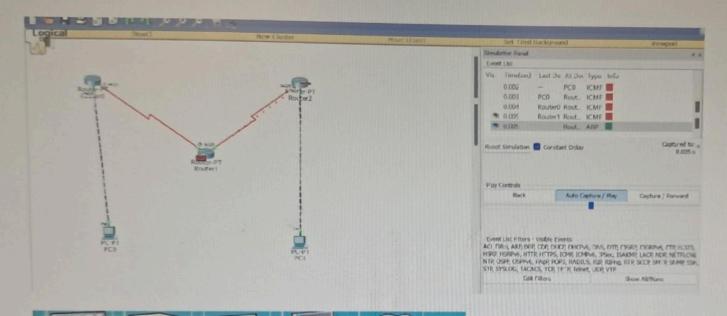
Ping statistice for ho. o. o. 10.

Puckets sent =h, Recieved =3, Last =1. (25-1.685).

Approx sound trip times in will seconde.

Mini = 2 ms, max = 10 ms, Average = 7 ms

m



Command Prompt

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Packet Tracer PC Command Line 1.0
PC>ping 40.0.0.1

Pinging 40.0.0.1 Lith 32 bytes of data:

Reply from 40.0.0.1: bytes=32 time=13ms TTL=125
Reply from 40.0.0.1: bytes=32 time=2ms TTL=125
Reply from 40.0.0.1: bytes=32 time=9ms TTL=125
Reply from 40.0.0.1: bytes=32 time=12ms TTL=125

Ping statistics for 40.0.0.1:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 2ms, Maximum = 13ms, Average = 9ms

PC>
```