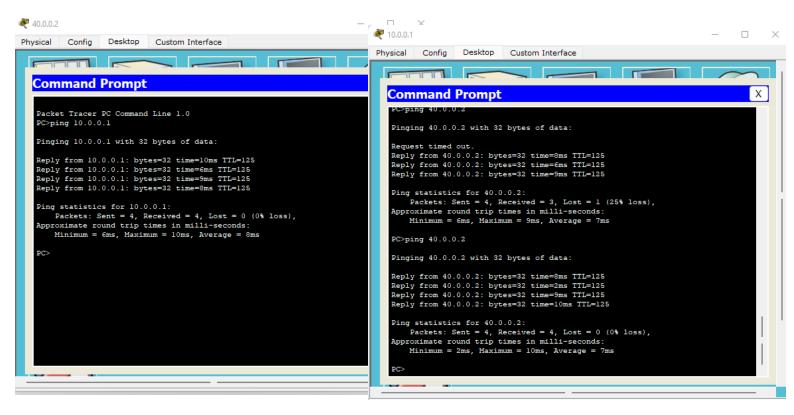
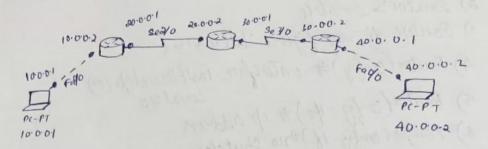


```
Router0
Physical Config CLI
                                             IOS Command Line Interface
          10.0.0.0/8 is directly connected, FastEthernet0/0
          20.0.0.0/8 is directly connected, Serial2/0
  Router>enable
  Router#configure terminal
 Enter configuration commands, one per line. End wir
Router(config) #ip route 30.0.0.0 255.0.0.0 20.0.0.2
                                                                             End with CNTL/Z.
  Router(config) #ip route 40.0.0.0 255.0.0.0 20.0.0.2
  Router(config)#exit
  Pouter#
  %SYS-5-CONFIG_I: Configured from console by console
  Router#show ip route
 Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
* - candidate default, U - per-user static route, o - ODR
              P - periodic downloaded static route
  Gateway of last resort is not set
         10.0.0.0/8 is directly connected, FastEthernet0/0 20.0.0.0/8 is directly connected, Serial2/0 30.0.0.0/8 [1/0] via 20.0.0.2 40.0.0.0/8 [1/0] via 20.0.0.2
  Router#
                                                                                                                    Copy
                                                                                                                                        Paste
```



## network of nontoes



- 1) pinging from PLO to Routerlo: PC>ping 10.0.0.2

  pring statistics for 20.0.0.2

  packets: Sent = 4, successed = 4, lost = 0

  Approximate sound tap times in mill seconds:

  minimum = oms, Meximum = oms, Average = ons
- 2) pung from PCO to RouterO: pc>ping 20.0.0.1
  Request timed out
- 3) thing from PCO to Router 2: pc>+iny 20.0.0.2 request timed out
- distination host unreachable sequest timed out
- distinction host unreadably request timed out
- b) pe>king 40.0.0.1 request timed out
- 7) Sper ping 4.0.0.2 request trimed out

## steps to configure the souter 1) press no 2) Router > enable 3) Router # configure terminal 4) Router (config) # interface PastEthernet of (01) 5) Router (config - it) # up address 8) Router (onfig-18) #no shutdown ( static it monte) - because evoling protocols are not configured sclick on nouted Ra, thentype Ila soute go-0-0-0 if soute 30.0.0.0 255.0.0.0 20.0.0.2 network address Embret next interface to reach the ip soute 40.0.0.0 255.0.0.0 20.0.0.2 -> click on nouter R, if soute 40.0.0.0 255.0.0.0 36.0.0.2 c > connected S- stateally connected Router # show ip noute ( when executing a command - no needs to be in a 1) for Routero Router > erable Router # configure terminal Router (config) # if route 20.0.0.0 255.0.0.0 20.0.0.2 Router (config) # ip route 40.0.0.0 255.0.0.0 20.0.0.5 Router (Config) # exit Roultr # Router # show if noute c 10.0.0.0/8 is directly connected, Fast Ethornet of o 20.0.0.0/8 is directly connected, Serial of o serial of o via 20.0.0.2 serial of o 40.0.0.0/8 [1/0] via 20.0.0.2 Router#

Router 1

Router (onlig) # ip south 20.0.0.0 255.0.0.0 30.0.0.1 Router (onlig) # ip south 10.0.0.0 255.0.0.0 30.0.0.1 Router (onlig) # exit

Pouter # show it soute

S 20.0.0.0/8 [2/0] via 30.0.0.1 1.0.0.0.08 [1/0] Ma 30.0.0.1 E 30.0.0.8/8 hs directly connected

Router (anfig) # 1p soute 40.0.019 255.0.0.0 20.0-0-1 Router (orfig) # ip soute 10.0.0 2550.0.0 20.0.0.1

S 10.0.0.0/8 [1/0] Wia 20.00.1 c 20.0.0 48 is disortly connected serially of 30.0.0.0/9 is directly connected serially 40.0.0.49 [1/0] via 30.0.0.2

PC> ping 10:0.01 fackets sent = 4, Recieved = 4, lost = 0 pc> peng 40.0.0.1 packets sent = 4, Recieved = 4, lost=0