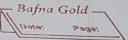
14/1/123 Expuriment default dim: Configuration Jopology: 20.0.0.2 30.0.0.2 422/0/50 ROUTER-PT Se 310 30210 Pouter 1 POUTER-PT Faleke OUTERPT Auter 3 10.0.0.10 10.0.0 PC-PT PC-PT PCI 40.0.01 a) relect there eaders and drop them to the relect two end dencies (PC) and deap them to the workepore. Pi's to the route uning cean once PCO is connected House surry copper fastithment to to fastithernet of a enceter 3 nowbe 3 isconnected for from Aurial 2/0 to serial 3/0 connected its nontre 2 puring several OTE from sevial 3/0 to parial 2/0 of hours 2 A) PCI is corrected to evolve a wring copper worker

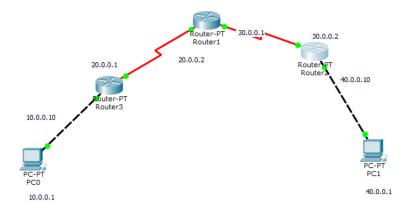


from fastetheanes o to fastethernes of of RP and galeray adoleses of Plo is 10.0.0.1 and 10.0.0.10 in set by retecting PLO config Djesterhounet & IP address to 03 10.0.0.1 config a global rettings of goldenby set galeury as 10.0.0.10. a letact PCI config) fastethernet -) I paddeus ret as 40.0.0.1.1 config of grown reltings & gateway net gaterray to 40.0.0.10. & Enterface of Powders are not by following commande : > relect vouter > 4] four Porter 3? - type no end entry Routel > enable Router Hoonfigt Routedconfig)# interface fartetheret 0/0 Router (config if) # 1P address 10.0.0.10 25 5.0.00 Route (Ronger its) # no shut Route (config-4) # enit. Router (contig) ## intreport Merial 1/0 Router (angig) # IP addless 20:0.0.1 25:0.0.0 Poster (ronfig) It no sheet in porter (config) Healt. similarly for Rower 1: Rautusanable Portest ionfigt Router (config) # interface acrial 2/0 Porter (config. 2) II IP adders 30.0.0.1 255.0.0. Route config-ig) # no sheet south (copig-if) Herit

Proceed congig It incorpace social 3/9 Router (ronging if) H IP addens 80.0.0.1 255.0.00 Countrooping-if) It no must Router (config-if) Honet Proute Senable Router # config to all a parties Raitulconford IT interbaco jablethounet of Router (config if) It IP address 40.0.0.10 955, J.00 Radu Configil It no sheet Route (angigi) It exit house (config) #interface suid 2/0 Router (confog. 1) # IP adderes 30.0.02 255.0.00 Routes (conjugit) # no wheat a shrommon Router (config if) It exit tout is a second and To ut IP nouses for all the norders for all router ma vouter month For noute 3 and now 2, departe nouting is done and jour noutrer 1, states routing is done. Such arritr (as respons) Pronter-3 Roubrett confightered englished the server Router (config) # IP woute 0.0.0.0 0.00.0 20.0.0.2 parter (config) # not while # (and Partie (songia) Herit Show I Prout c 10.0.0/8 is derictly connected, Rustithent of c/20/0.0.0 / a un descrey connected with 9/0 S 0.0.0.0 0 (1/0) was 20.0.0.2 similarly for nonter? partet ingig + the way the the Route (congig) IT TP Mary 0.0.0.0 0.00.0 30.0.0.1

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Router langing) # exit. Ror noutier 1 static earling will be done Router # configt Router config) #IP would 10.0.00 255.0.0.0 2000 Butuling # I Phant 40.0.0.0 2550.0.0 Router config) # erit Mow To mont 5 12.0.0.0/8 E110) via 20.0.0.0 e eo. O. O. O/8 is directly contracted reial 2/0 C 30.0.0.0/e is directly connected series 3/0 s x0.0.0.0 (8 (1/0) vid 30.0.0.0 Ring output (unreadhable one) perig from the command prompt of 40.0.0.1 to the 10.0.0.1 PC ping 10.0.0.1 pinging 10.0.01 with 32 byter of data Request timed out. Reply from 10.0.0.1: bytu=32 time = 26mg TTL=125 Riply from 10.0.0.1: hytes= 32 time = 4 ms TTL=125 Riply from 10.0.0.1: byty=32 trine=2mg TTL=128 ping ratestire for 10.0.0.1; parkets: Sint= of, Received = 3, Lost = 1, (ar-1) loss Appearing to wound trip times an milli-seconds: winimum = 2mg Martinum = 26mg, Aregage = 10 mg RESULT (from 40.0.0.1) to 10.0.10.1 PC> ping 10.0.0.1 punging 10.0.0.1: with 32 byles of data; Reply from 10.0.0.1. before 32 time= 2mi TTL=125 from 10:0.0.1. byles = 32 times 8mg JTL=125 exply fram 10.0.0.1 byte = 32 fine = 2 ms TTL=125 exply from 10.0.0.1: hyter=32 time = 12ml off =125 peng reatherers for 10000000 Parkets: runt = H, Received = 4, Nort = 0 (00) Approximate mound loop times in milli-ye runmum - 2 mi manimum = 12 mi, Ausage = 6 mi in the Courses motion How IR mart or was 32 byth of do ros Experience, Hestore: mis direct gold bruger MALE MANIMENTAL SERVER

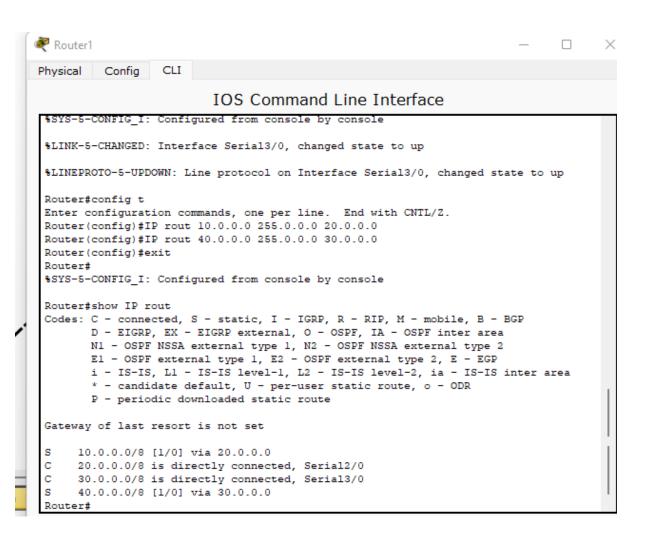




Physical Config CLI

IOS Command Line Interface

```
Press RETURN to get started!
Router>enable
RouterPenalle
RouterSconfig t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface fastethernet 0/0
Router(config-if)#IP address 10.0.0.10 255.0.0.0
Router(config-if)#no shut
Router(config-if) # %LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
exit
Router(config) #interface serial 2/0
Router(config-if) #IP address 20.0.0.1 255.0.0.0
Router(config-if) #no shut
%LINK-5-CHANGED: Interface Serial2/0, changed state to down
Router(config-if)#exit
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
%LINK-5-CHANGED: Interface Serial2/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up
Router#config t
Enter configuration commands, one per line. End with CNTL/Z. Router(config)#IP rout 0.0.0.0 0.0.0.0 20.0.0.2 Router(config)#no shut
% Invalid input detected at '^' marker.
Router(config)#exit
Router#
```



```
Press RETURN to get started!
Router>enable
Router#config t
Enter configuration commands, one per line. End with CNTL/2.
Router(config) #interface fastethernet 0/0
Router(config-if) #IP address 40.0.0.10 255.0.0.0
Router(config-if) #no shut
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0. changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
Router(config-if) #IP address 30.0.0.2 255.0.0.0
Router(config-if) #no shut
Router(config-if)#
%LINK-5-CHANGED: Interface Serial2/0, changed state to up
exit
Router(config)#exit
%SYS-5-CONFIG I: Configured from console by console
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up
Router(configuration commands, one per line. End with CNTL/Z. Router(config) #IP rout 0.0.0.0 0.0.0.0 30.0.0.1 Router(config) #no shut
% Invalid input detected at '^' marker.
Router(config) #exit
%SYS-5-CONFIG I: Configured from console by console
```

Command Prompt

```
PC>ping 10.0.0.1
Pinging 10.0.0.1 with 32 bytes of data:
Request timed out.

Reply from 10.0.0.1: bytes=32 time=26ms TTL=125

Reply from 10.0.0.1: bytes=32 time=4ms TTL=125

Reply from 10.0.0.1: bytes=32 time=2ms TTL=125
Ping statistics for 10.0.0.1:

Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:

Minimum = 2ms, Maximum = 26ms, Average = 10ms
PC>ping 10.0.0.1
Pinging 10.0.0.1 with 32 bytes of data:
Reply from 10.0.0.1: bytes=32 time=2ms TTL=125 Reply from 10.0.0.1: bytes=32 time=8ms TTL=125 Reply from 10.0.0.1: bytes=32 time=4ms TTL=125 Reply from 10.0.0.1: bytes=32 time=12ms TTL=125
Ping statistics for 10.0.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 2ms, Maximum = 12ms, Average = 6ms
```