LAB PROGRAM - 3

Q) Configure default route, static route to the Router

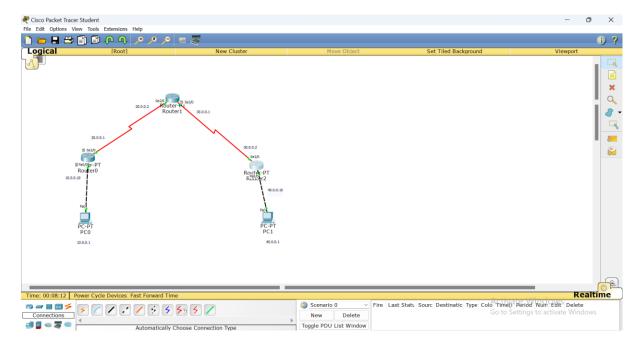
Procedure:

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Date: 12/0+(2)
M T W T F S S
Rooter 1:
could get a more was a re-
3a) ence Poster > erable
3b) Router# Config t 3c) interface feste themsel 0/0
3d) ip Address 10.0.0.10 255.0.0.0
30) No short
3f) gait
- 10 1= ((b) # intervace social 2/0
36) Router (600/19-11)# ip address 20.0.0.1 255.0.0.0
3:) Router (config - if) It no shot
3;) Router ((orfig-if)#exit
34) O to (Coolin) Herit
30) Finally use the show ip scotte to view the scotting
table
Step 1: (Steale a meksosk by selecting 3 general steates)
Configure Couter a, Router 3 Similarly
Karting and Course the training and Connect the
the different cateways and observe the
output. Now Configure the grouter such that the growters
have date (Knowledge about the other networks)
add the network in chi
add the otherwise in the analysis and a said assell a
(Roster 1) (Pofault vouling)
ip 90014 0.0.0.0 0.0.0.0 20.0.2
PC1 -> 40.0.01
(Router 3) (Static Starting)
ip noute 10.0.0.0 255.0.0.0 20.0.0.0
:p starte 40.0.0.0 255.0.0.0 30.0.0.0
2
(Router 2) (Default growing)
ip House 0.0.0.0 0.0.0.0 30.0.0.1

COMPAGE
Date: B/o-+/23
Result:
and a photos has use
Pc> Ping 10.0.0.4
10.0.0.1
Reply fram 10.0.0.1: bytes of data
1 1 them 10:0:0:1 . 1
1000 10.0.0.1
Teply Jon 10.0.0.1. 11
ring statistics dod 10.000
Packets: Sept-4 Paris
Apparoximate tourd taip times in milli-seconds:
Minimum = 7ms Manimum Milli-seconds:
Minimum = 7ms, Maximum = 20ms, Average = 13ms
observation:
Default groups: The
Default groute: Is that moute that take effect when no
A défait noute identifies the color destination address.
A default growte identifies the gateway IP address to which The govern sends all IP moved that it I
the souter sends all IP paceets that it does not have a leasured shoute for. It established
Leadined shoute for. It astablished not have a
you packets when as south
host is avaliable I som the
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
mechanisms.
Stalic Gloute: - Paroress - All
Static Gloute: Paroless in which we have to manually add
Starter & He as in which we have to manually add
Prostes to the Gooting table. It is a pare-determined pathway that a parket must that to seach
that a parket must thought to sheach a specific host of
Network. It performs stanting I specific host of
Network. It performs shouting decisions with preconfigured soutes
in the shouting table. It is implemented when moute selections
Pouting is handled by internet parotocal.
J HEMPE POLOSON.

Topology:

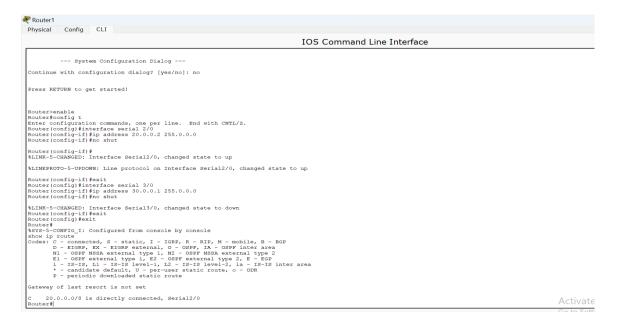


Router Configuration:

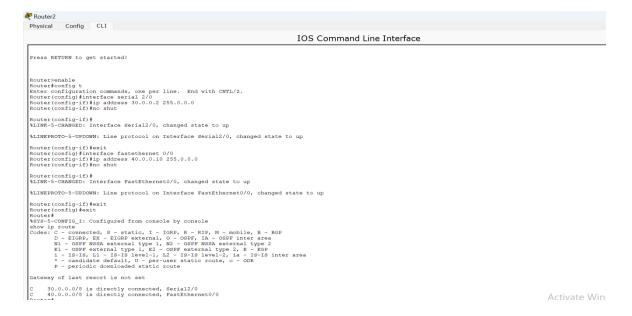
• Configuring Individual Routers

R0:

R1:

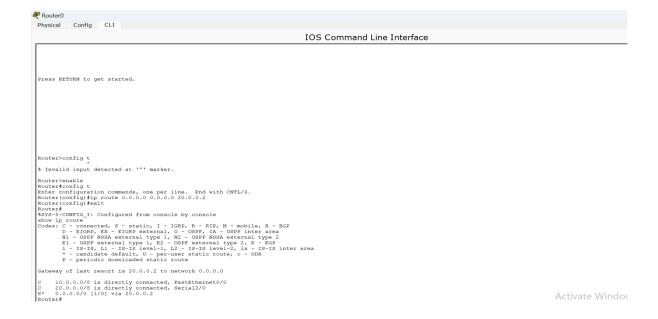


R2:

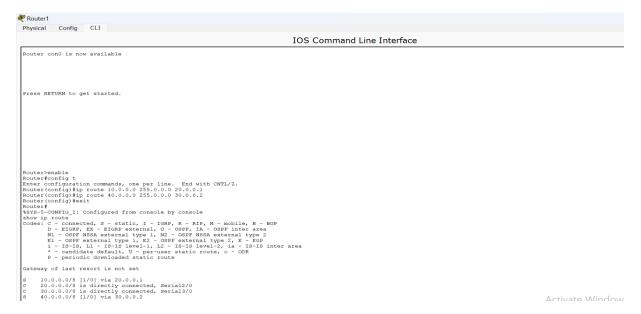


Configure the routers gain knowledge about

R0: (Default Routing)



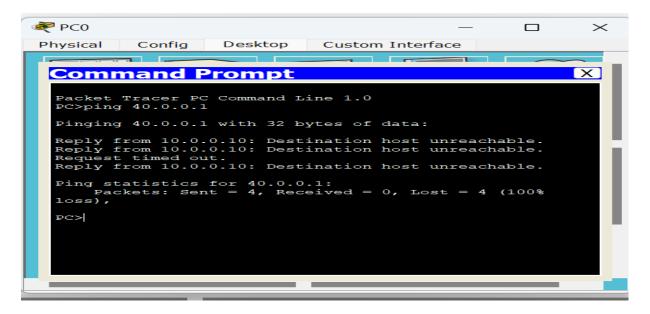
R1: (Static Routing)



R2: (Default Routing)

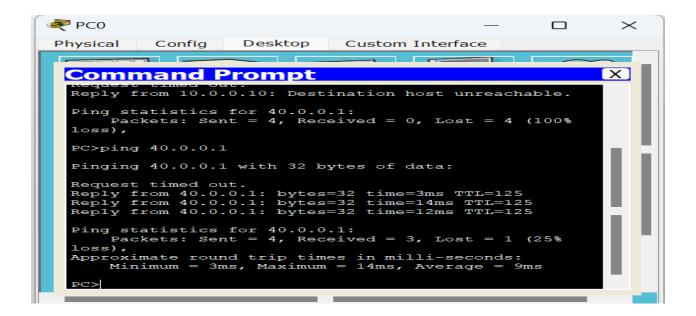


Ping Results(Before Routers gained Knowledge about other networks)



Ping Results(After Routers Have Knowledge About Other Networks)

From PC-0 to PC-1



From PC-1 to PC-0

