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NIM : L200170014

Kelas : A

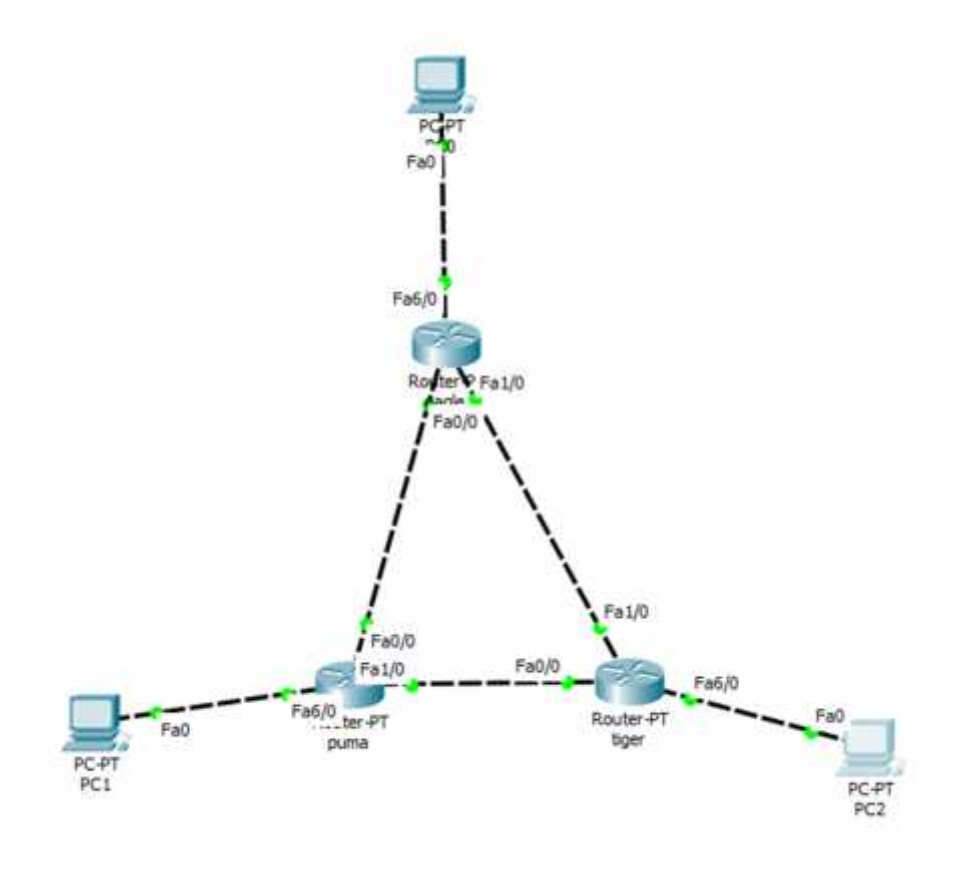
Praktikum Jaringan Komputer

**MODUL 7**

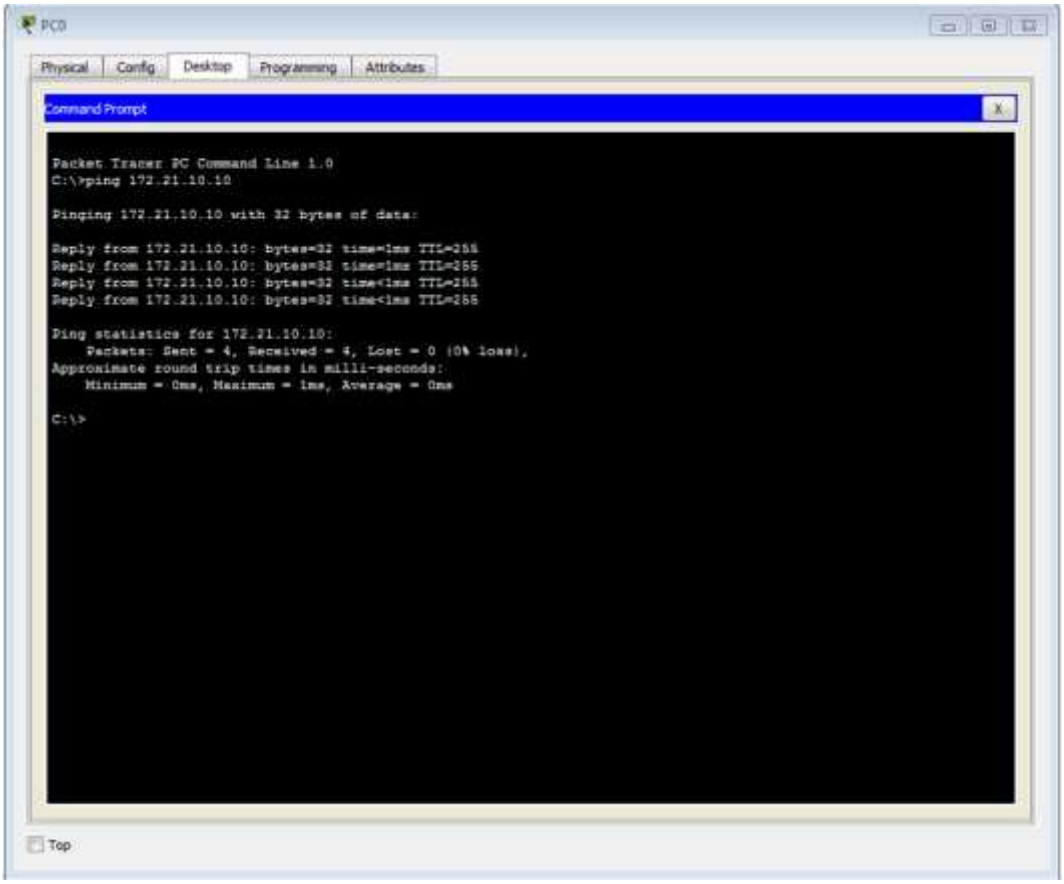
**STATIC ROUTE, RIP DAN IGRP**

Kegiatan 1. Topologi 1 (Static Routing)

1. Membuat topologi



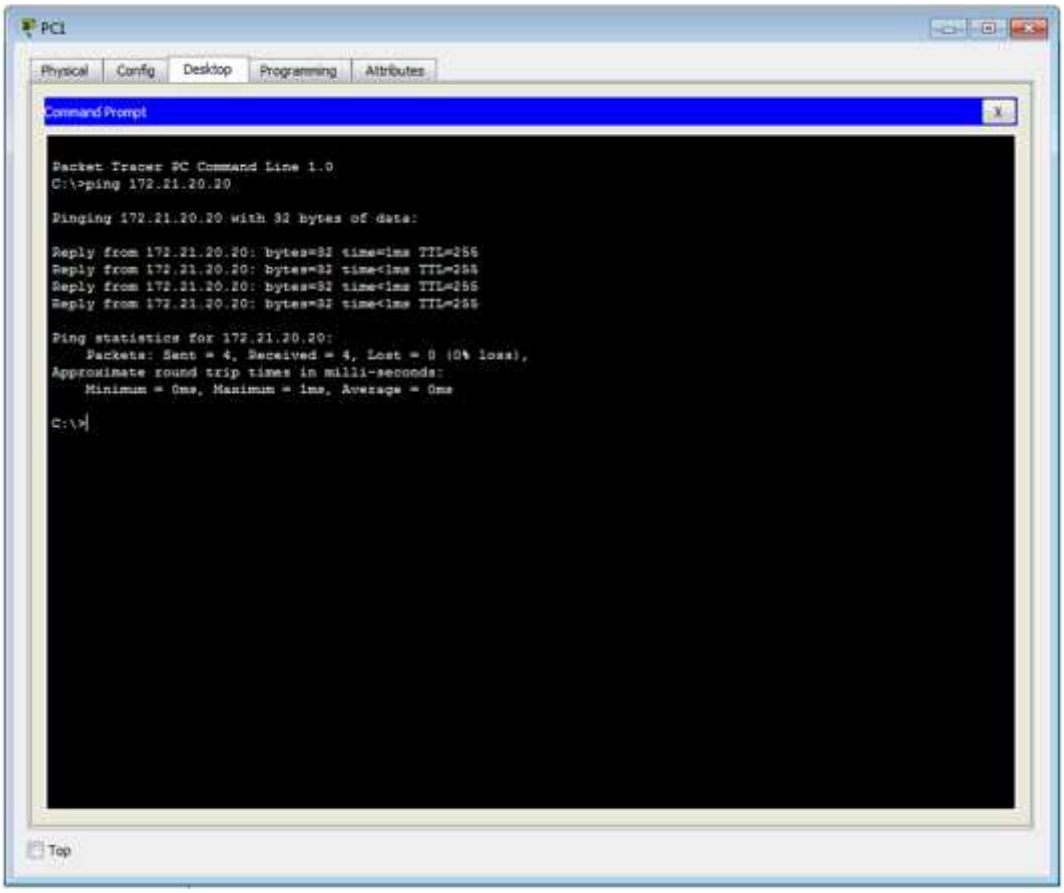
2. Melakukan ping dari PC 0 ke gateway 172.21.10.10




Keterangan:

PC 0 dapat melakukan ping ke gateway 172.21.10.10 karena berada dalam satu jalur.

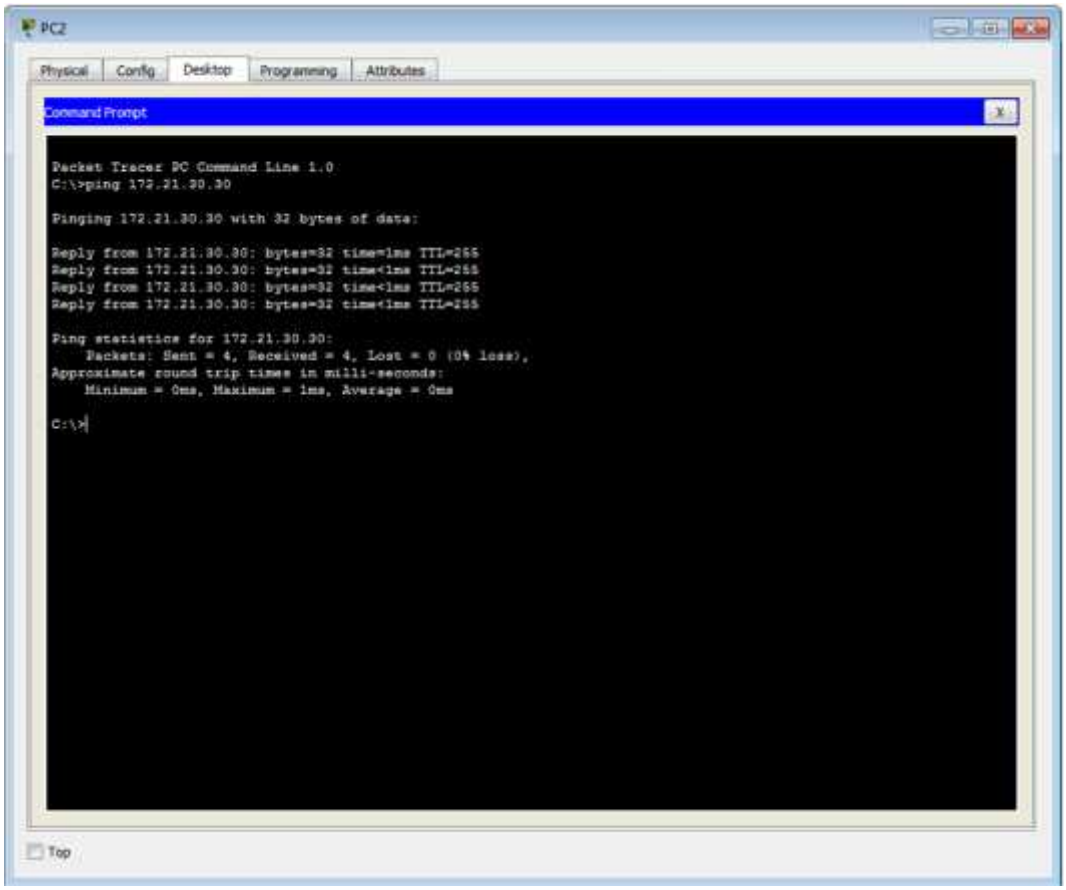
3. Melakukan ping dari PC 1 ke gateway 172.21.20.20




Keterangan:

PC 1 dapat melakukan ping ke gateway 172.21.20.20 karena berada dalam satu jalur.

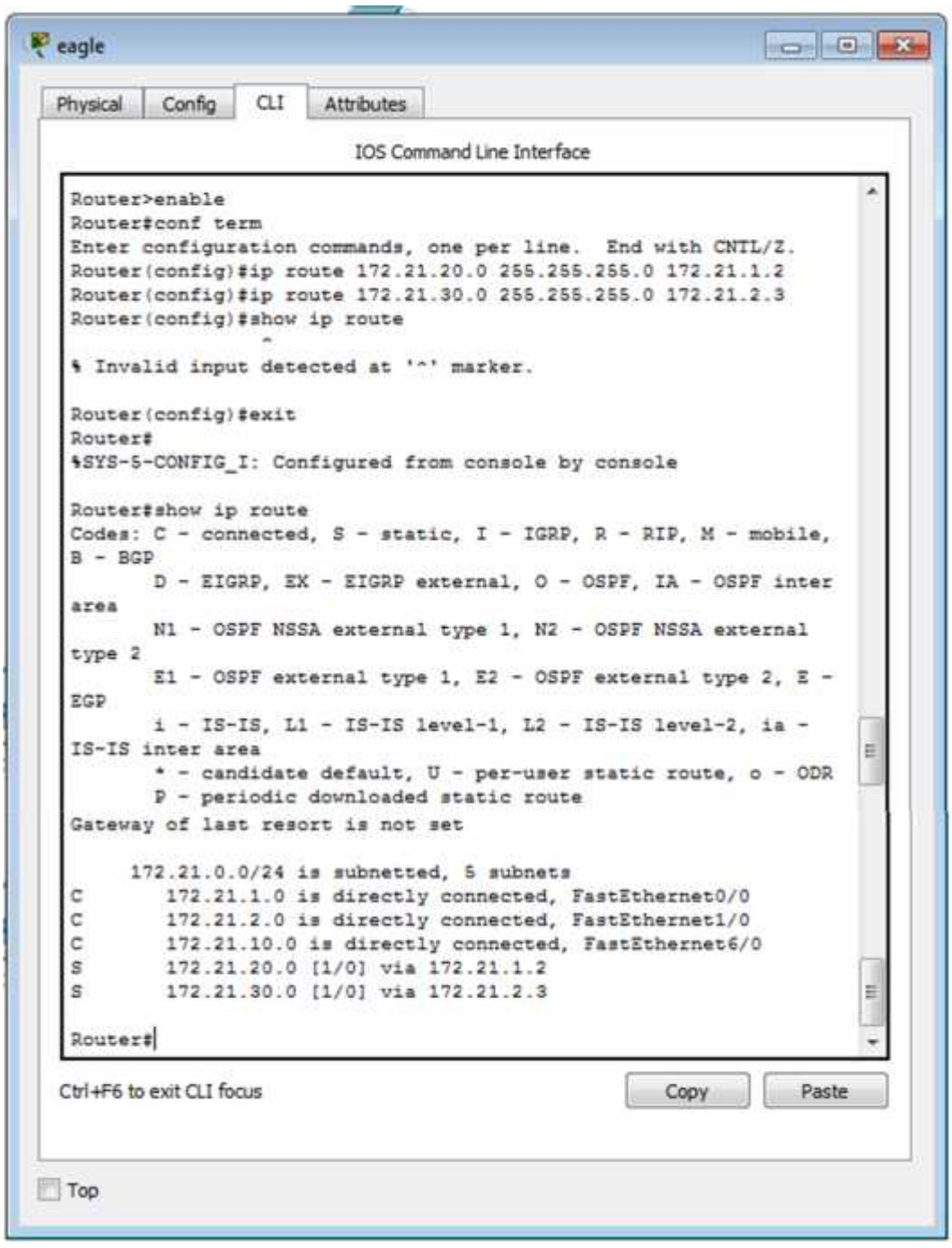
4. Melakukan ping dari PC 2 ke gateway 172.21.30.30

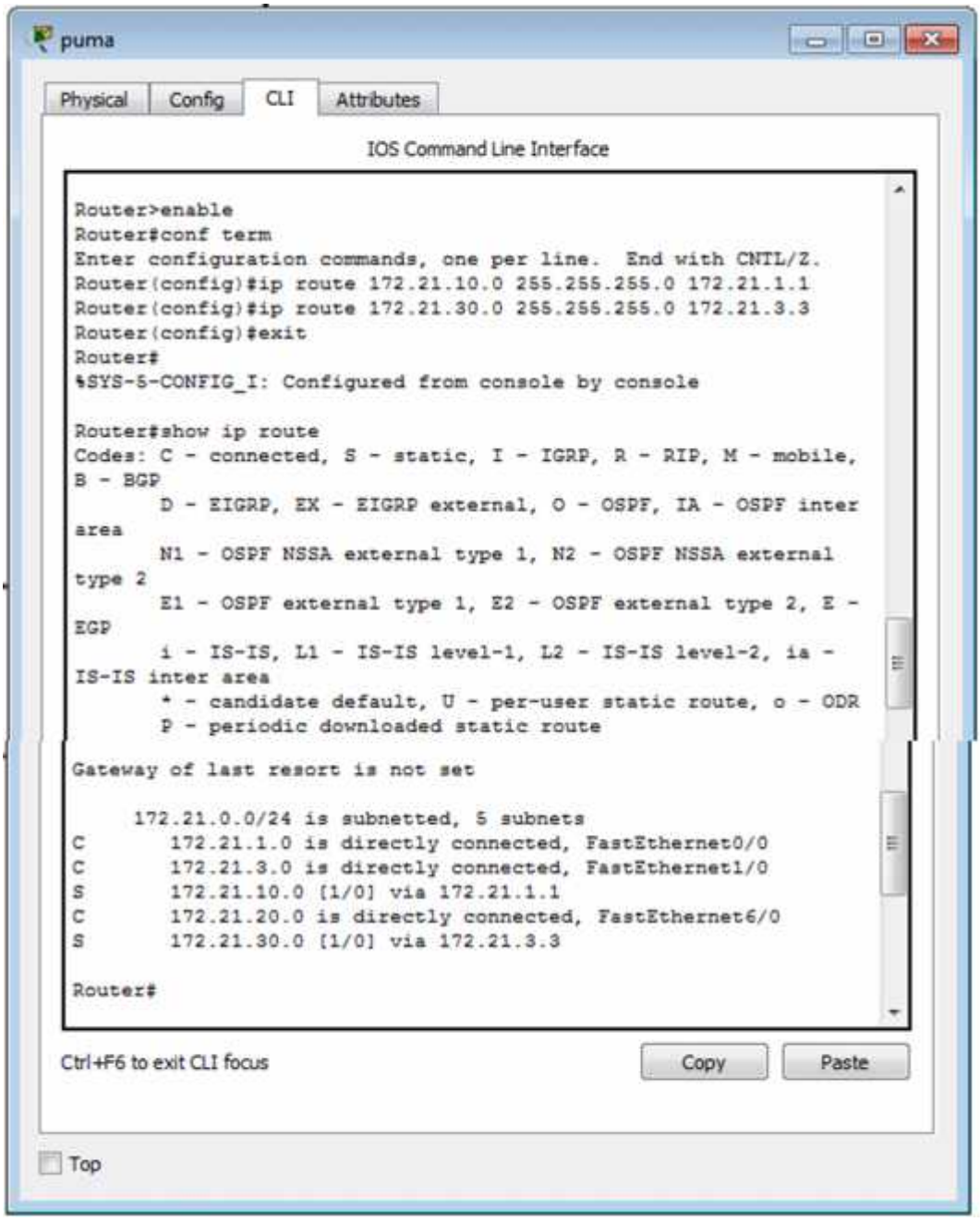


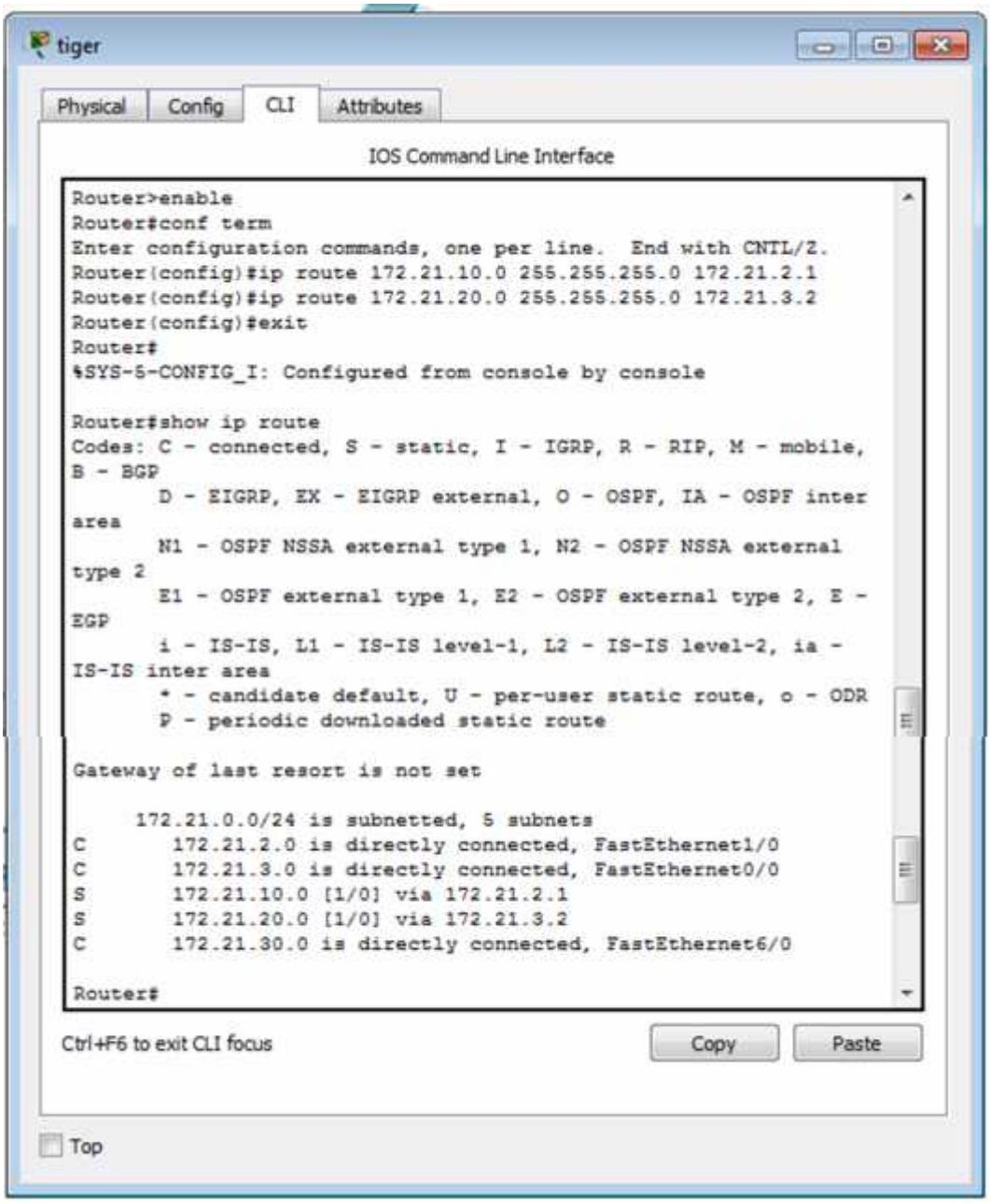

Keterangan:

PC 2 dapat melakukan ping ke gateway 172.21.30.30 karena berada dalam satu jalur.

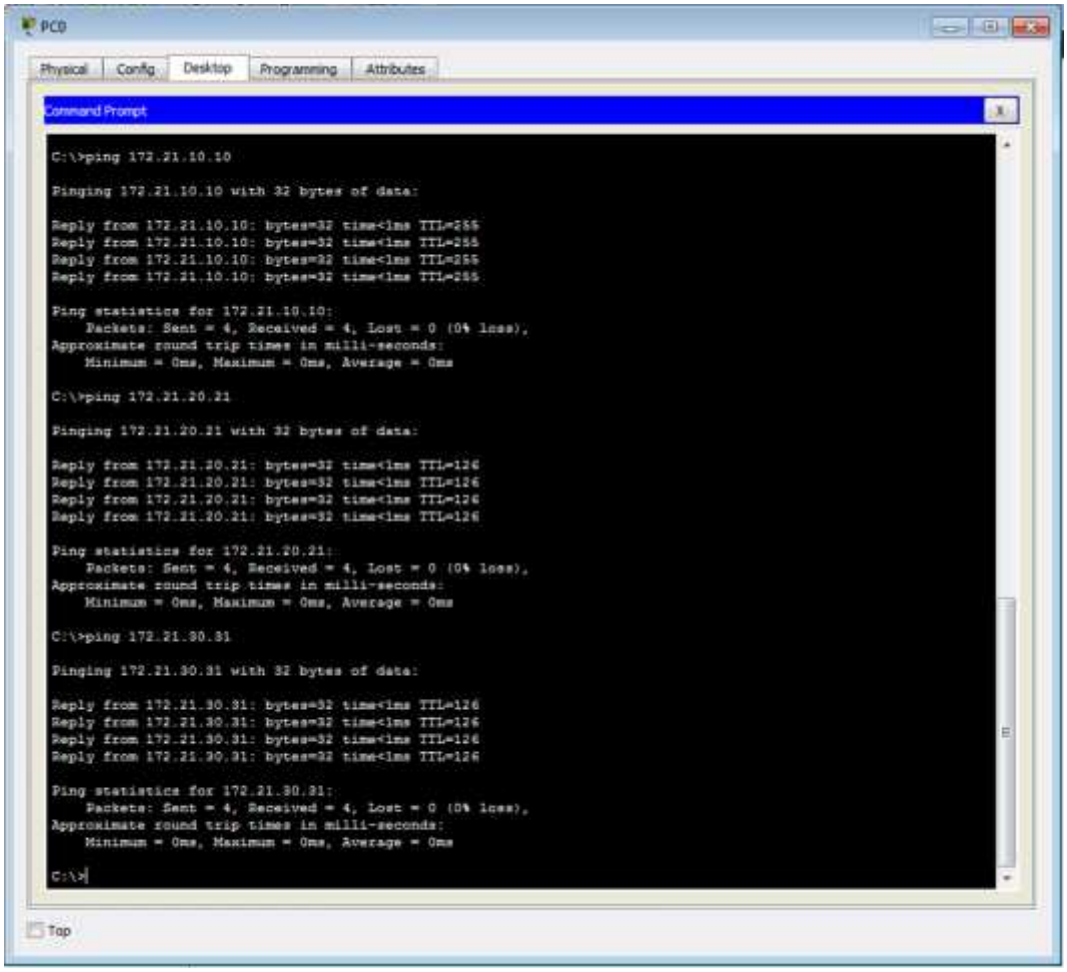
5. Melakukan konfigurasi pada setiap router di mode previleged




puma
Physical
Config
CLI
Attributes
IOS Command Line Interface
Router>enable
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#ip route 172.21.10.0 255.255.255.0 172.21.1.1
Router(config)#ip route 172.21.30.0 255.255.255.0 172.21.3.3
Router(config)#exit
Router#
%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
172.21.0.0/24 is subnetted, 5 subnets
C 172.21.1.0 is directly connected, FastEthernet0/0
C 172.21.3.0 is directly connected, FastEthernet1/0
S 172.21.10.0 [1/0] via 172.21.1.1
C 172.21.20.0 is directly connected, FastEthernet6/0
S 172.21.30.0 [1/0] via 172.21.3.3
Router#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top


tiger
Physical
Config
CLI
Attributes
IOS Command Line Interface
Router>enable
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#ip route 172.21.10.0 255.255.255.0 172.21.2.1
Router(config)#ip route 172.21.20.0 255.255.255.0 172.21.3.2
Router(config)#exit
Router#
%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
172.21.0.0/24 is subnetted, 5 subnets
C 172.21.2.0 is directly connected, FastEthernet1/0
C 172.21.3.0 is directly connected, FastEthernet0/0
S 172.21.10.0 [1/0] via 172.21.2.1
S 172.21.20.0 [1/0] via 172.21.3.2
C 172.21.30.0 is directly connected, FastEthernet6/0
Router#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

6. Melakukan ping pada PC 0 ke gateway 172.21.10.10 dan ke port (172. 21.20.21, 172.21.30.31)

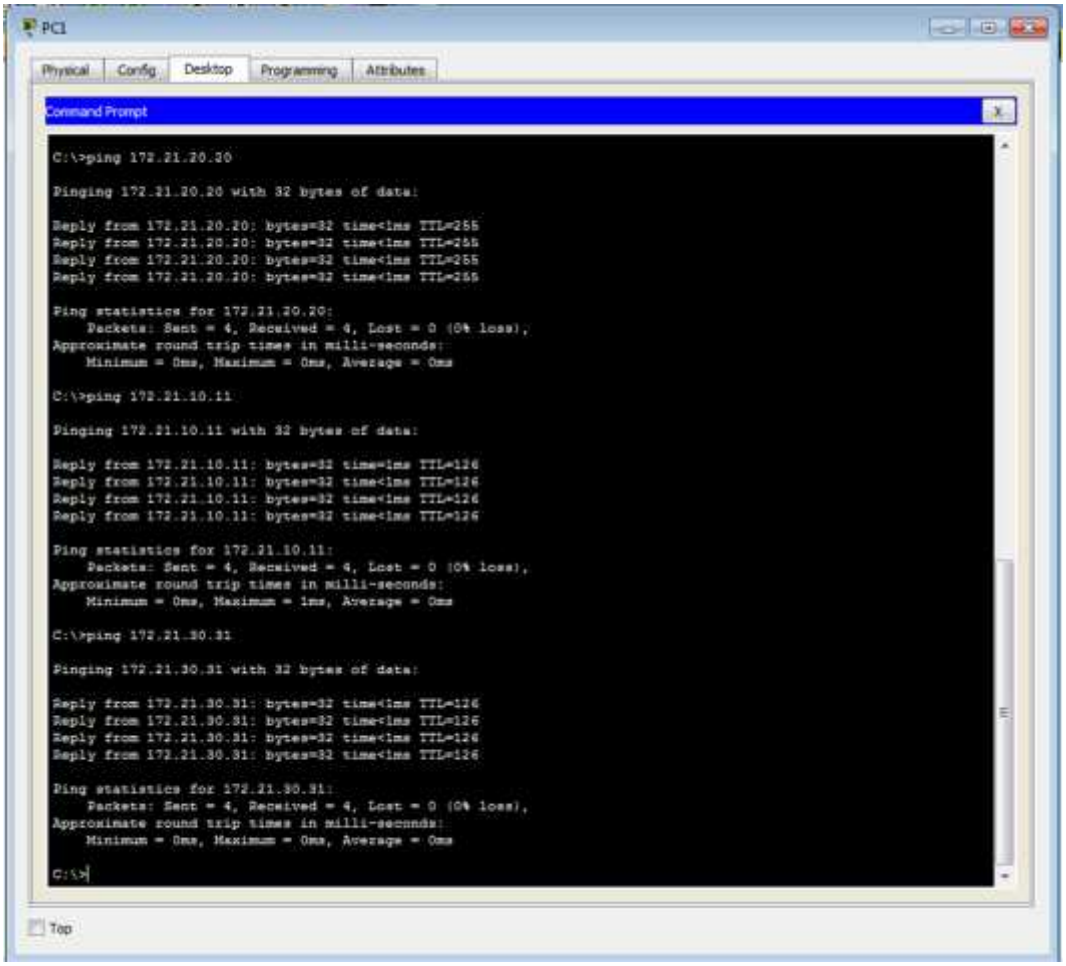



Keterangan:

PC 0 dapat melakukan ping ke gateway 172.21.10.10 karena berada dalam satu jalur.

Dengan menggunakan Router PC 0 juga bisa melakukan ping ke port 172.21.20.21 dan port 172.21.30.31 walaupun berbeda jalur.

7. Melakukan ping pada PC 1 ke gateway 172.21.20.20 dan ke port (172. 21.10.11, 172.21.30.31)

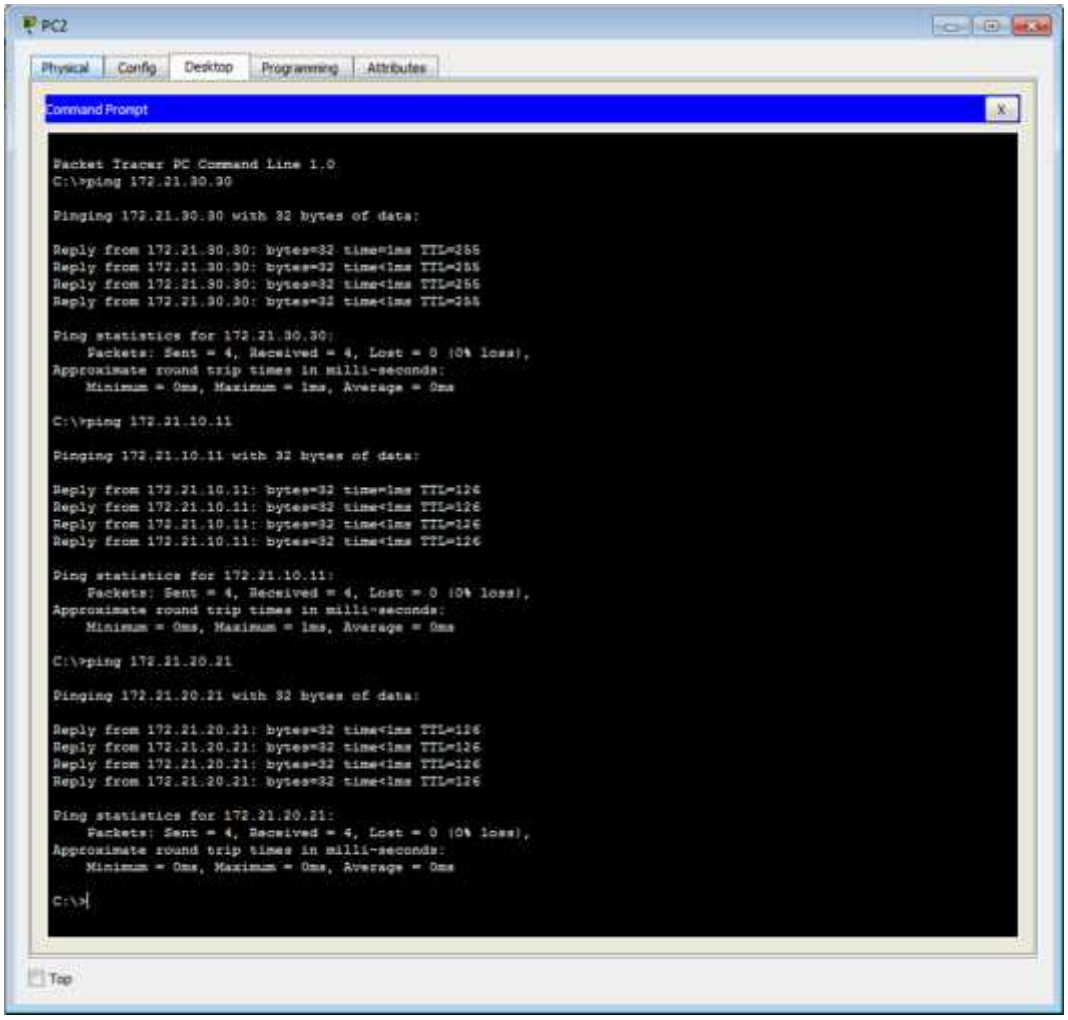



Keterangan:

PC 1 dapat melakukan ping ke gateway 172.21.20.20 karena berada dalam satu jalur.

Dengan menggunakan Router PC 1 juga bisa melakukan ping ke port 172.21.10.11 dan port 172.21.30.31 walaupun berbeda jalur.

8. Melakukan ping pada PC 2 ke gateway 172.21.30.30 dan ke port (172. 21.10.11, 172.21.20.21)




Keterangan:

PC 0 dapat melakukan ping ke gateway 172.21.30.30 karena berada dalam satu jalur.

Dengan menggunakan Router PC 2 juga bisa melakukan ping ke port 172.21.10.11 dan port 172.21.20.21 walaupun berbeda jalur.