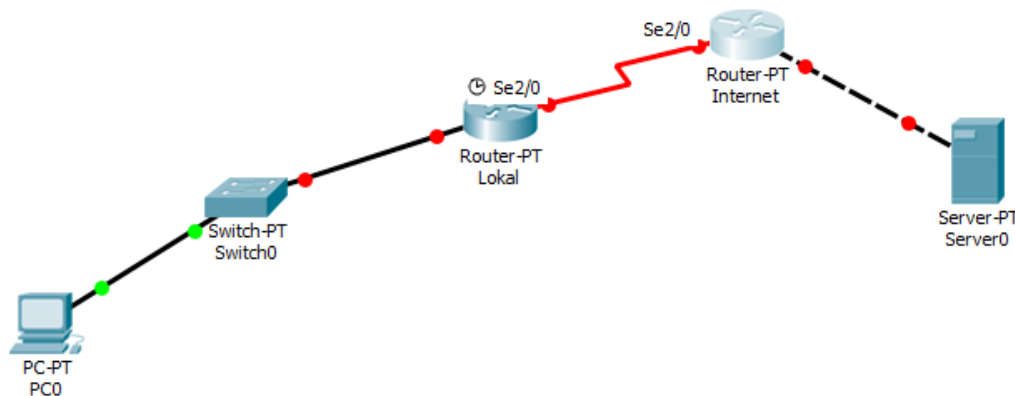


NAMA : PUJI NUGROHO
NIM : L200170123
KELAS : C
MODUL : 9

1. Kesimpulannya adalah apabila melakukan konfigurasi routing statis lebih rumit dan panjang jika dibandingkan dengan menggunakan mekanisme NAT.
2. Langkah
 - a. Desain jaringan

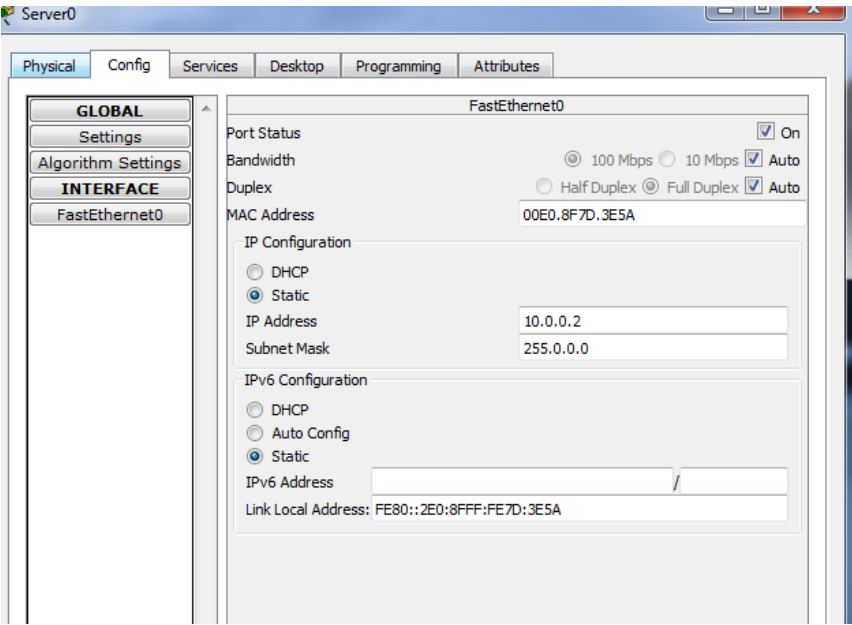


- b. Konfigurasi Router

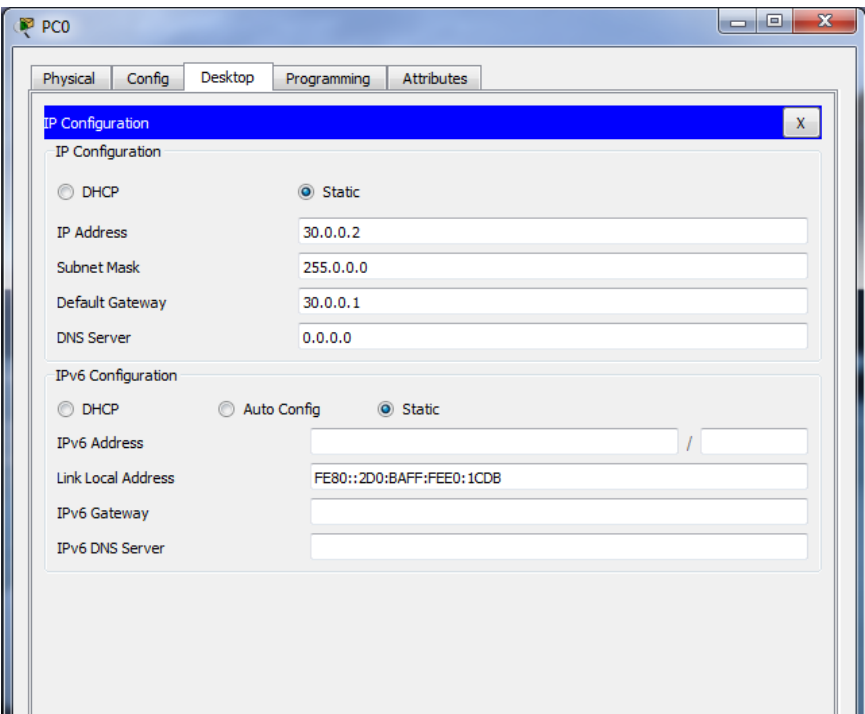
```
Internet
Physical Config CLI Attributes
IOS Command Line Interface
Router>enable
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname internet
internet(config)#conf term
%Invalid hex value
internet(config)#int fa 0/0
internet(config-if)#ip address 10.0.0.1 255.0.0.0
% Invalid input detected at '^' marker.
internet(config-if)#ip address 10.0.0.1 255.0.0.0
internet(config-if)#no at
% Incomplete command.
internet(config-if)#no shutdown
internet(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
internet(config-if)#exit
internet(config)#int se 2/0
internet(config-if)#ip address 20.0.0.2 255.0.0.0
internet(config-if)#no shutdown
%LINK-5-CHANGED: Interface Serial2/0, changed state to down
internet(config-if)#exit
internet(config)#ip route 30.0.0.0 255.0.0.0 20.0.0.1
internet(config)#ip nat inside source static 10.0.0.2 50.0.0.1
internet(config)#int fa 0/0
internet(config-if)#ip nat inside
internet(config-if)#exit
internet(config)#int se 2/0
internet(config-if)#ip nat outside
internet(config-if)#exit
internet(config)#
Ctrl+F6 to exit CLI focus
Copy Paste

Lokal
Physical Config CLI Attributes
IOS Command Line Interface
Would you like to enter the initial configuration dialog? [yes/no]: n
Press RETURN to get started!
Router>enable
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname lokal
lokal(config)#int fa 0/0
lokal(config-if)#ip address 30.0.0.1 255.0.0.0
lokal(config-if)#no shutdown
lokal(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
lokal(config-if)#exit
lokal(config)#int se 2/0
lokal(config-if)#ip address 20.0.0.1 255.0.0.0
lokal(config-if)#clock rate 64000
lokal(config-if)#bandwidth 64
lokal(config-if)#no shutdown
lokal(config-if)#
%LINK-5-CHANGED: Interface Serial2/0, changed state to up
lokal(config-if)#exit
lokal(config)#ip route
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state
lokal(config)#ip route 60.0.0.0 255.0.0.0 20.0.0.2
lokal(config)#exit
lokal#
%SYS-5-CONFIG_I: Configured from console by console
lokal#
Ctrl+F6 to exit CLI focus
Copy Paste
```

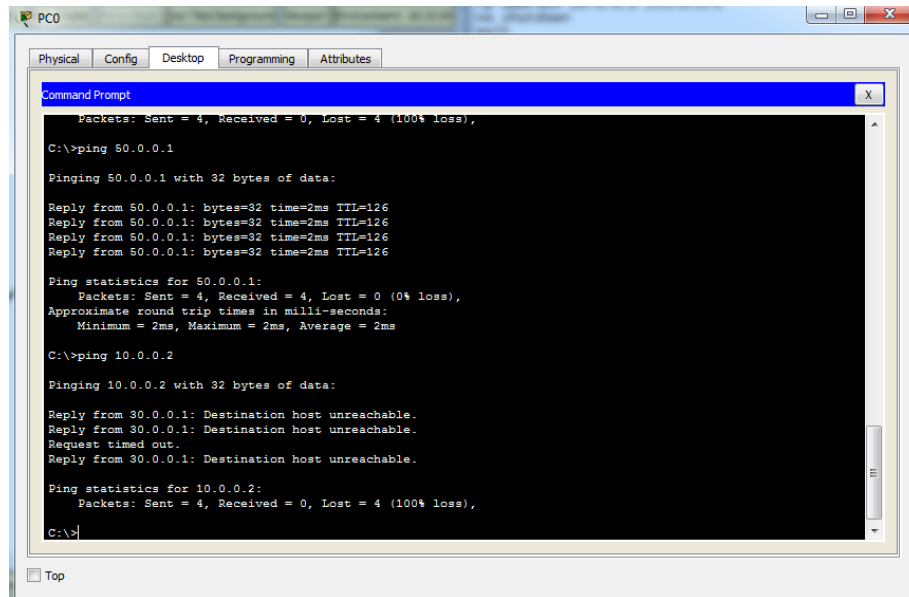
c. Konfigurasi Server



d. Konfigurasi PC

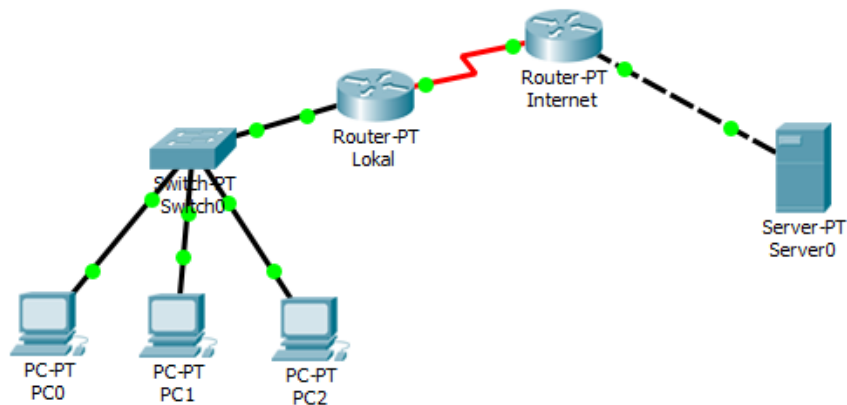


e. Melakukan ping ke server dengan IP yang public dan IP yang belum dipublic

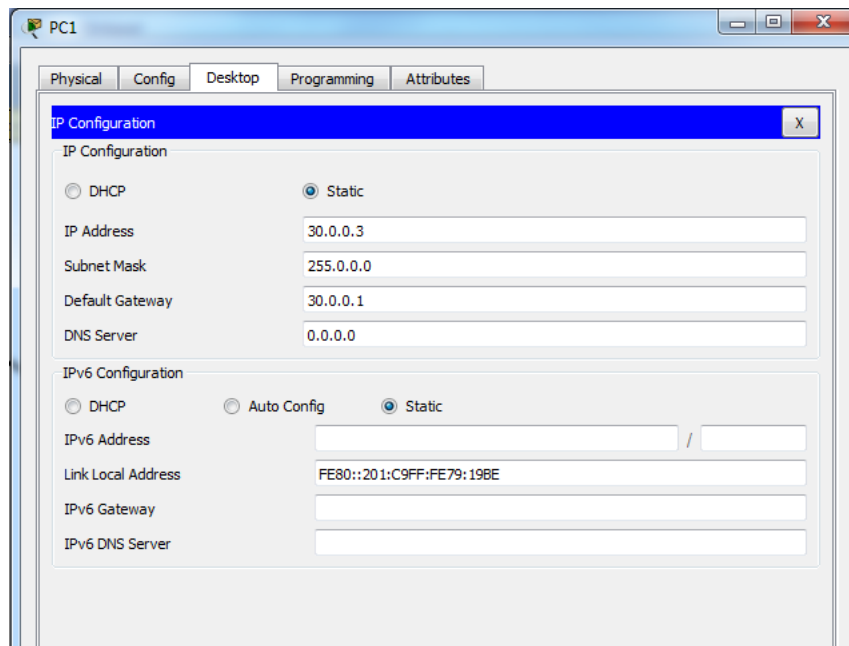


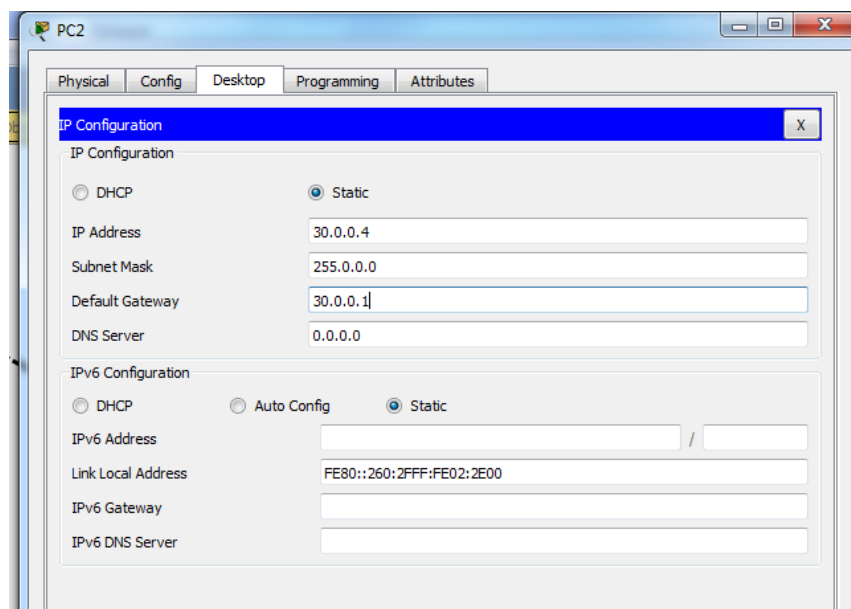
3. Pengembangan Topologi

a. Desain Jaringan

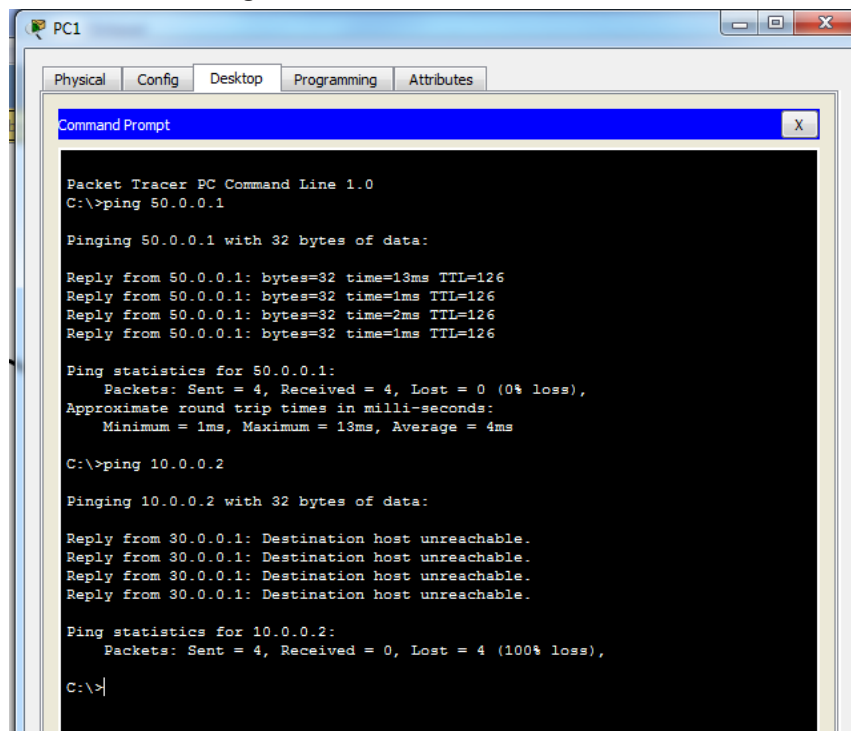


b. Konfigurasi PC





c. Melakukan Ping



- d. NB: untuk peroutingan router tetap sama dan menambah PC dengan IP yang masih berada dalam satu jaringan.