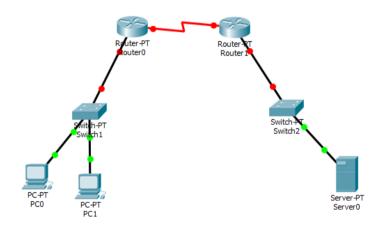
NAMA = CORRY LUQMA ZUNIRA

KELAS = D

NIM = L200170152

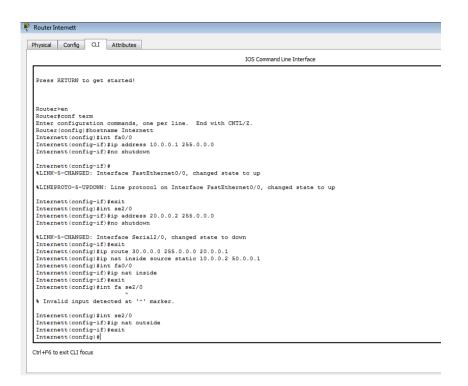
Modul 9
Pengenalan Static Network Address Translation
pada Router Cisco.

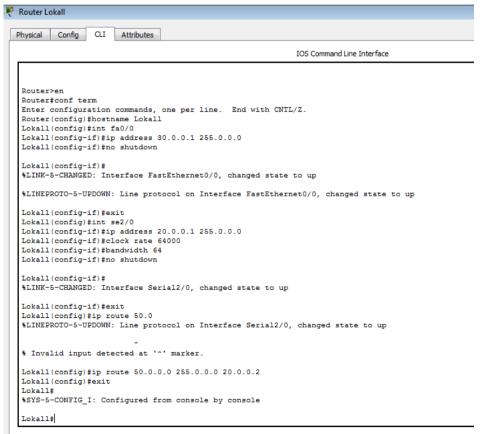


Konfigurasi Router Internet.

Setelah kebutuhan IP dialokasikan, urutan langkah-langkah berikutnya sebagai berikut:

- -mengkonfigurasi router Internet,
- -merubah nama hostname,
- -konfigurasi IP untuk serial 0 dan Ethernet 0
- -mengaktifkan routing tabel agar router mengenali network 30.0.0.0
- -mengaktifkan NAT Source Static untuk IP 10.0.0.2(milik web server) pada jaringan 10.0.0.0 agar di translasikan menjadi 50.0.0.1
- -mengaktifkan NAT inside untuk port Ethernet 0 NAT outside untuk serial 0.



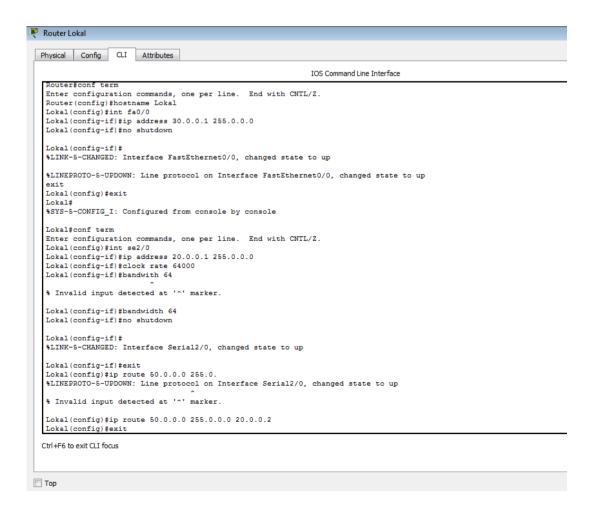


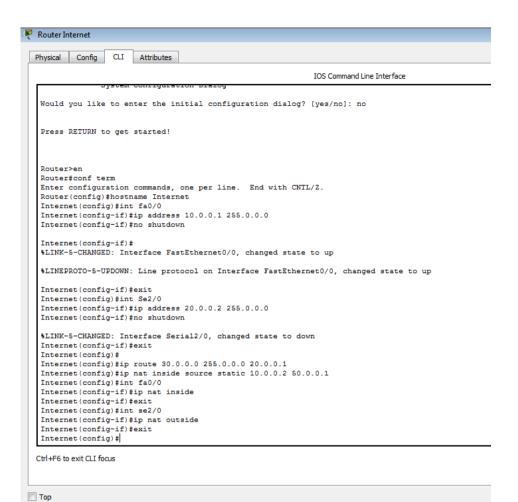
Ctrl+F6 to exit CLI focus

5. Konfigurasi Router Lokal.

Sedangkan urutan untuk konfigurasi router lokal adalah sebagai berikut :

- -Mengganti nama host dari Router menjadi Lokal.
- -Mengonfigurasi port ethernet 0(interface ethernet 0) dan memberi IP 30.0.0.1 subnet 255.0.0.0 (ip address 30.0.0.1 255.0.0.0) kemudian mengaktifkan port Ethernet 0(no shutdown)
- -Mengonfigurasi port serial 0(Interface serial 0) dan memberi IP (ip address 20.0.0.1 255.0.0.0) kemudian mengaktifkan dengan perintah no shutdown.
- -Mengaktifkan clockrate (clockrate 64000) dan bandwith(bandwith 64) proses ini masih berada dalam mode prompt interface (config-if)
- -Memberikan tabel routing statis agar jaringan lokal dapat berhubungan dengan jaringan internet dan web server dengan perintah( ip route 50.0.0.0 255.0.0.0 20.0.0.2) .





6. Uji coba koneksi dari PC-lokal ke web server.

```
Physical Config Desktop Programming Attributes

Command Prompt

C:\>ping 50.0.0.1

Pinging 50.0.0.1 with 32 bytes of data:

Reply from 50.0.0.1: bytes=32 time=2ms TTL=126

Reply from 50.0.0.1: bytes=32 time=1ms TTL=126

Reply from 50.0.0.1: bytes=32 time=1ms TTL=126

Reply from 50.0.0.1: bytes=32 time=10ms TTL=126

Ping statistics for 50.0.0.1:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = 1ms, Maximum = 10ms, Average = 3ms

C:\>ping 10.0.0.2

Pinging 10.0.0.2 with 32 bytes of data:

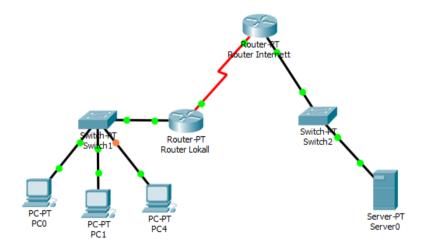
Reply from 30.0.0.1: Destination host unreachable.

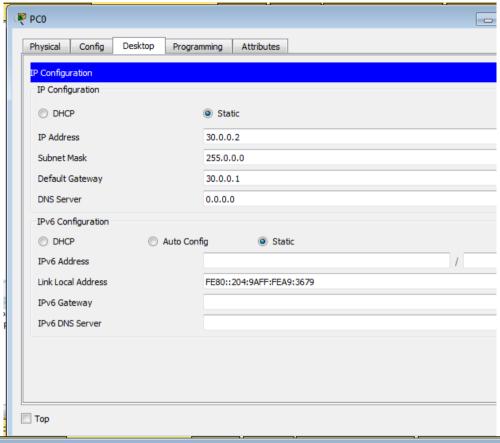
Ping statistics for 10.0.0.2:

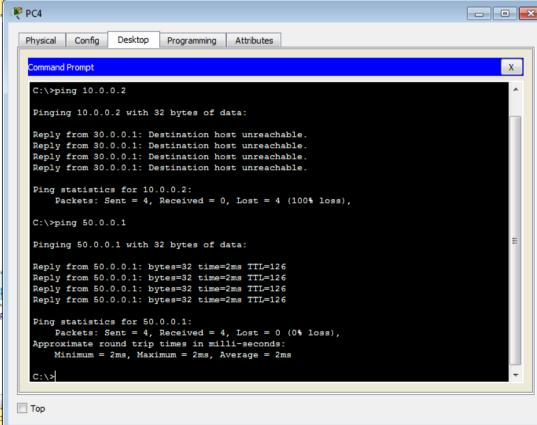
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

7. Kembangkan topologi dari langkah poin 1 menjadi topologi seperti dibawah ini :







```
PC1
   Physical Config
                           Desktop
                                       Programming
                                                         Attributes
    Command Prompt
    C:\>ping 10.0.0.2
    Pinging 10.0.0.2 with 32 bytes of data:
    Reply from 30.0.0.1: Destination host unreachable.
    Reply from 30.0.0.1: Destination host unreachable. Reply from 30.0.0.1: Destination host unreachable. Reply from 30.0.0.1: Destination host unreachable. Reply from 30.0.0.1: Destination host unreachable.
    Ping statistics for 10.0.0.2:
          Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
    C:\>ping 50.0.0.1
    Pinging 50.0.0.1 with 32 bytes of data:
    Reply from 50.0.0.1: bytes=32 time=2ms TTL=126
Reply from 50.0.0.1: bytes=32 time=18ms TTL=126
Reply from 50.0.0.1: bytes=32 time=1ms TTL=126
    Reply from 50.0.0.1: bytes=32 time=1ms TTL=126
    Ping statistics for 50.0.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds:
          Minimum = 1ms, Maximum = 18ms, Average = 5ms
    C:\>
Пор
```