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PRAKTIKUM JARKOM KE-7

A. **Praktik**
   1. Buatlah rancangan untuk menghubungkan 2 jaringan, dengan konfigurasi seperti tabel dan topologi berikut:

Device	IP Address	Subnet Mask
R1: Ke R2 (misalkan: FastEthernet0/0)	198.165.10.1	255.255.255.252
Ke Switch (misalkan: FastEthernet0/1)	198.165.16.1	255.255.255.0
R2: Ke R1 (misalkan: FastEthernet0/0)	198.165.10.2	255.255.255.252
Ke Switch (misalkan: FastEthernet0/1)	198.165.17.1	255.255.255.0
Server	198.165.16.2 Gateway: 198.165.16.1	255.255.255.0
PC2	198.165.16.3 Gateway: 198.165.16.1	255.255.255.0
PC3	198.165.17.2 Gateway: 198.165.17.1	255.255.255.0

- Konfigurasi Router1 Router2 FastEthernet0/0 dan FastEthernet0/1

- Konfigurasi Router2 FastEthernet0/0 dan FastEthernet0/1


```
Would you like to enter the initial configuration dialog? [yes/no]: n


Press RETURN to get started!



Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#ip address 198.165.10.2 255.255.255.252
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
%IP-4-DUPADDR: Duplicate address 198.165.10.2 on FastEthernet0/0,
sourced by 0001.4242.7B01
%IP-4-DUPADDR: Duplicate address 198.165.10.2 on FastEthernet0/0,
sourced by 0001.4242.7B01

Router(config-if)#ip address 198.165.10.2 255.255.255.252
Router(config-if)#no shut
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#ip address 198.165.17.1 255.255.255.0
Router(config-if)#no shut

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up

Router(config-if)#no shut
Router(config-if)#exit
Router(config)#
```
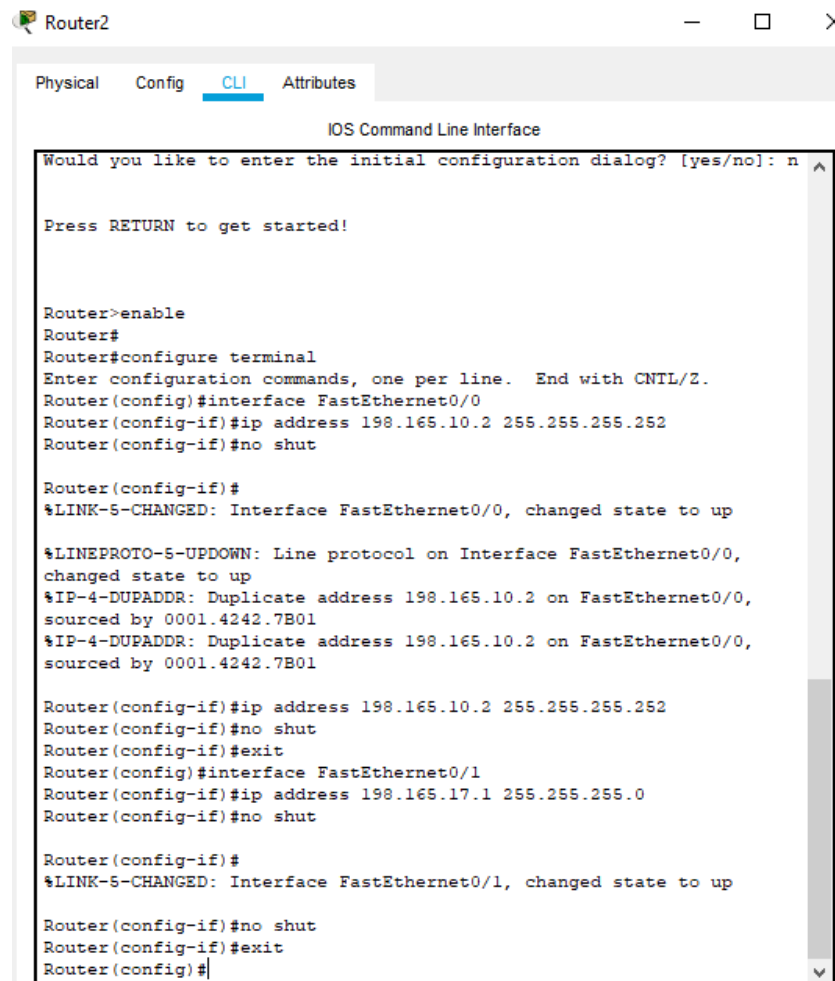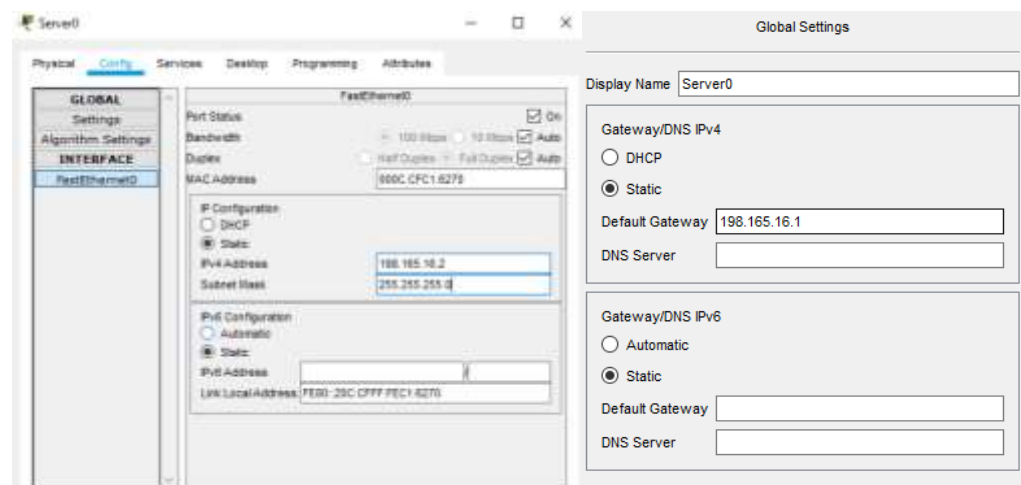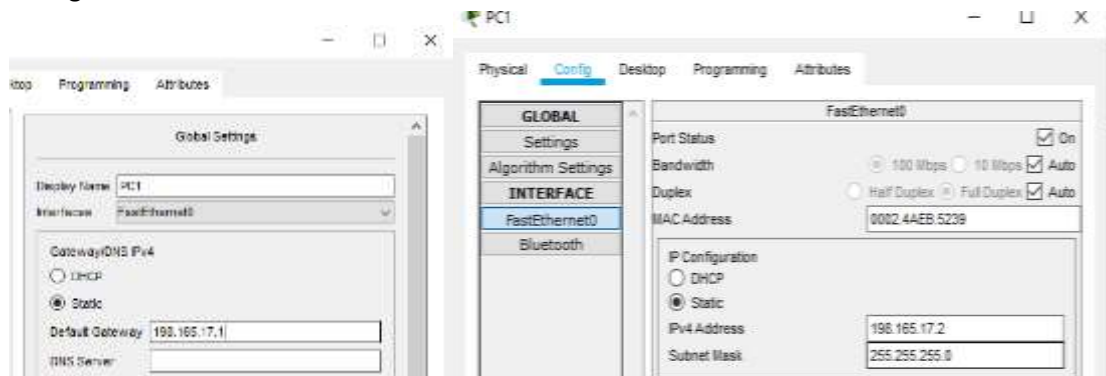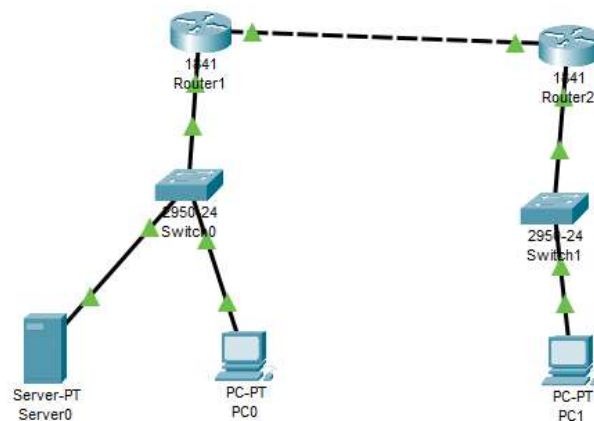
- Konfigurasi Server

- Konfigurasi PC0
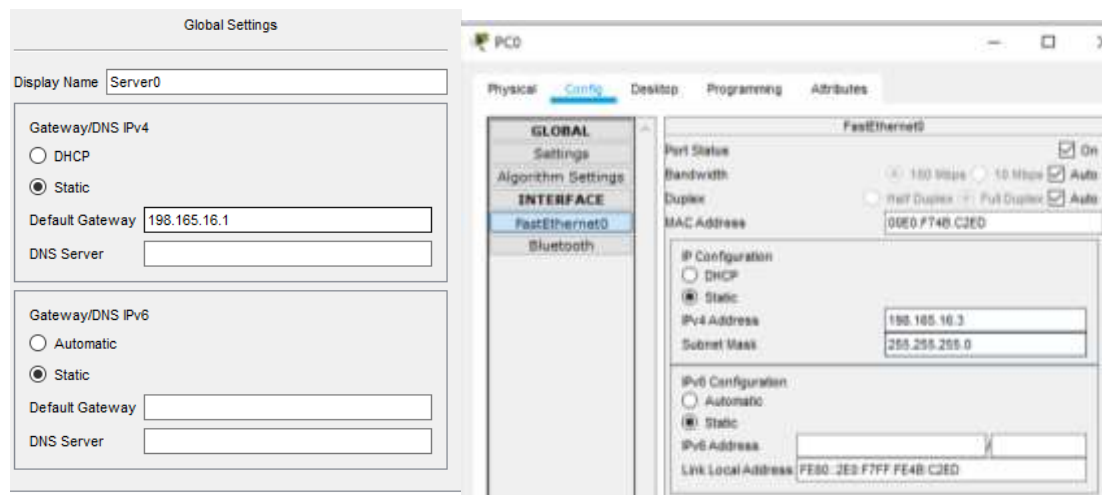
- Konfigurasi PC1
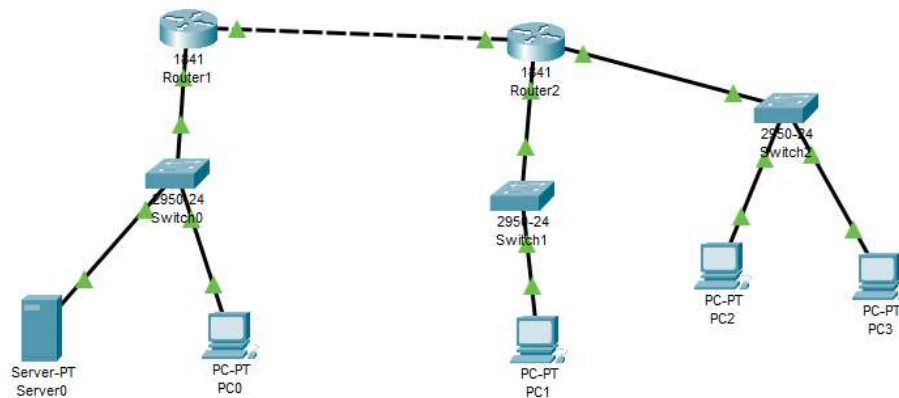

- Topologi

B. Tugas
1. Berdasarkan bagian praktik, tambahkan switch dan 2 buah PC pada Router2 sehingga topologinya menjadi seperti berikut.

- Konfigurasi Router2 ke Switch2

```
Router(config)#interface Ethernet0/0/0
Router(config-if)#ip address 198.165.180 255.255.255.0
                             ^
% Invalid input detected at '^' marker.

Router(config-if)#ip address 198.165.180 255.255.255.0
                             ^
% Invalid input detected at '^' marker.

Router(config-if)#ip address 198.165.18.1 255.255.255.0
Router(config-if)#no shut

Router(config-if)#
%LINK-5-CHANGED: Interface Ethernet0/0/0, changed state to up

Router(config-if)#no shut
Router(config-if)#exit
Router(config)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Ethernet0/0/0,
changed state to up
```

Ctrl+F6 to exit CLI focus   Copy   Paste

- Ping

```
Packet Tracer PC Command Line 1.0
C:\>ping 198.165.18.3

Pinging 198.165.18.3 with 32 bytes of data:

Reply from 198.165.18.3: bytes=32 time=1ms TTL=128
Reply from 198.165.18.3: bytes=32 time<1ms TTL=128
Reply from 198.165.18.3: bytes=32 time<1ms TTL=128
Reply from 198.165.18.3: bytes=32 time<1ms TTL=128

Ping statistics for 198.165.18.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
```