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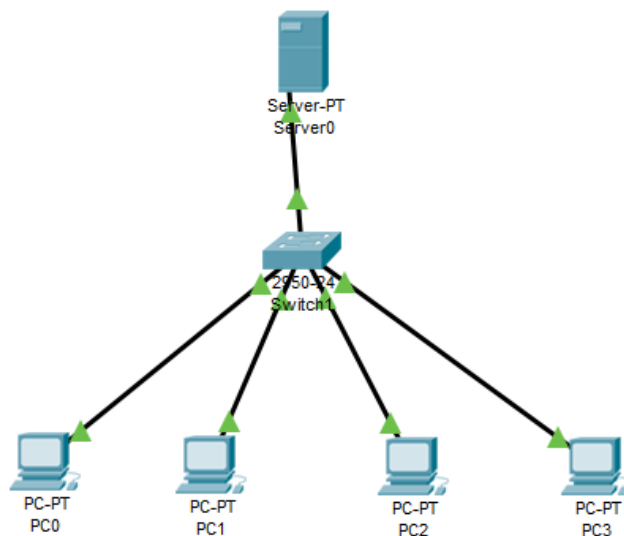
Kelas : D

Modul: V

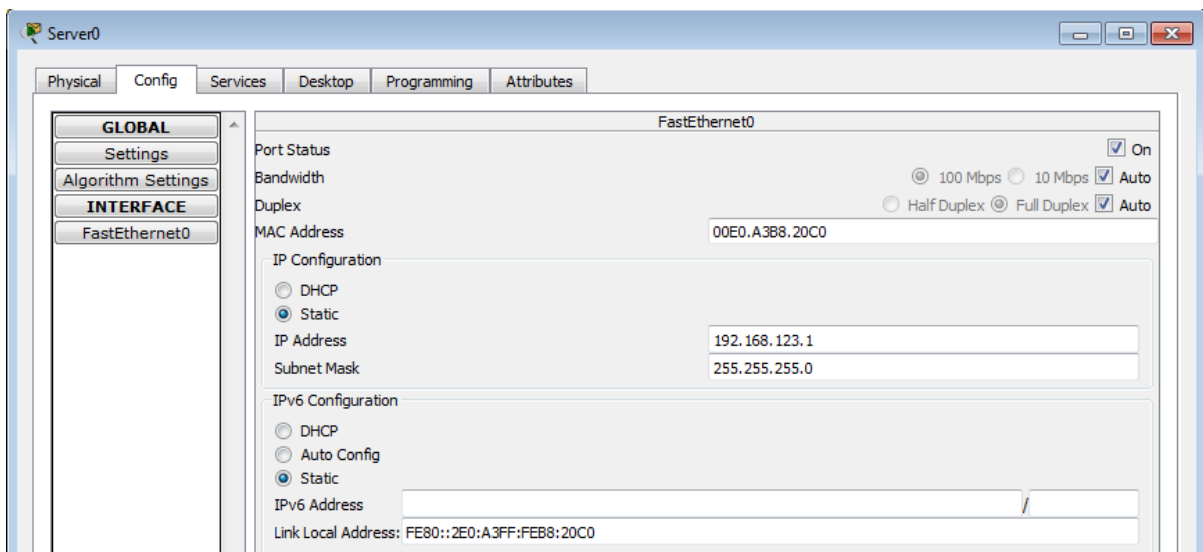
Kegiatan Praktikum Modul V

Praktikum I Membuat DHCP Server

1. Persiapkan simulasi server DHCP seperti gambar berikut ini.



2. Double klik **Server0**. Pilih tab **config**. Pada menu **interface**, pilih **Fast-Ethernet**. Pada bagian **IP Configuration**, isi dengan IP address server 192.168.123.1 subnet mask 255.255.255.0



3. Lalu pada tab **services**, pilih **DHCP** untuk melakukan konfigurasi DHCP Server. **Start IP Address** isikan dengan 192.168.123.19, dan pada *maximum number of users*=5.

The screenshot shows the 'Server0' configuration window with the 'Services' tab selected. The 'DHCP' service is configured for the 'FastEthernet0' interface. The 'Service' is set to 'On'. The 'Pool Name' is 'serverPool'. The 'Default Gateway' is '0.0.0.0'. The 'DNS Server' is '0.0.0.0'. The 'Start IP Address' is '192.168.123.19'. The 'Subnet Mask' is '255.255.255.0'. The 'Maximum Number of Users' is '5'. The 'TFTP Server' is '0.0.0.0'. The 'WLC Address' is '0.0.0.0'. Below the configuration fields is a table with the following data:

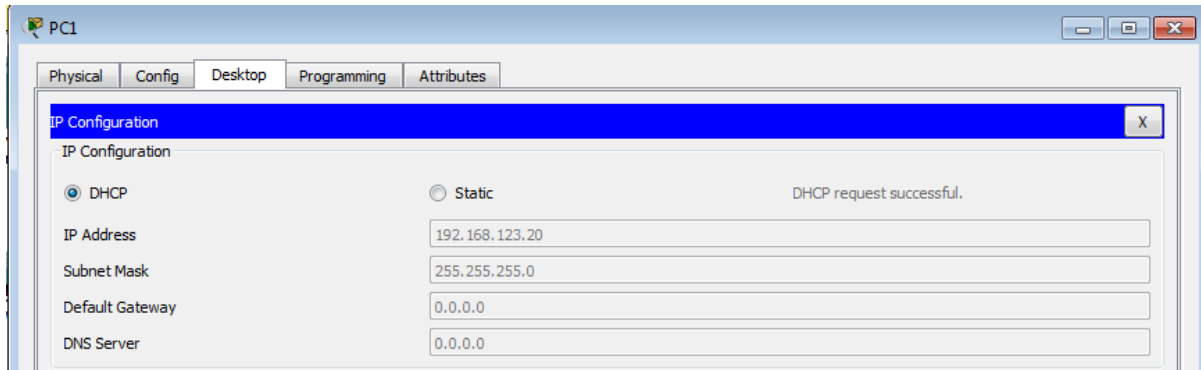
Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	0.0.0.0	0.0.0.0	192.168.123...	255.255.255.0	5	0.0.0.0	0.0.0.0

4. Pada sisi **client**, konfigurasi IP address dilakukan dengan memilih pilihan **DHCP** seperti pada gambar berikut.

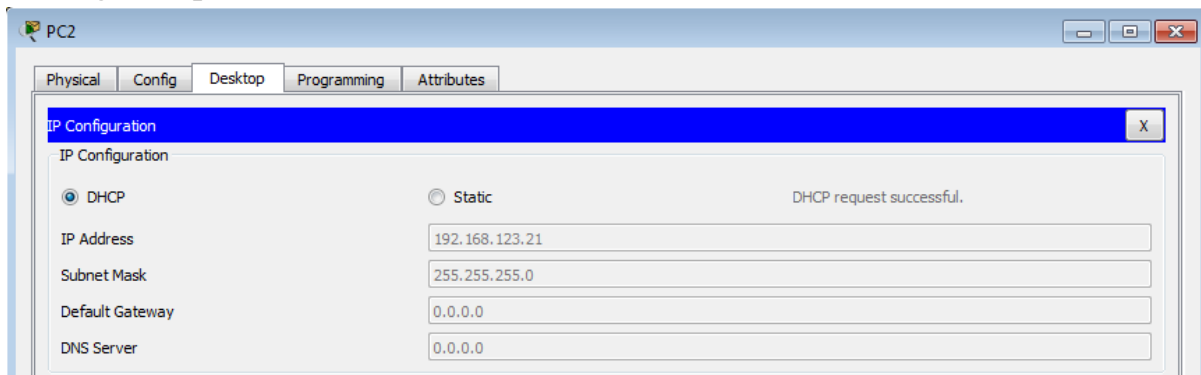
Konfigurasi pada PC0

The screenshot shows the 'PC0' configuration window with the 'IP Configuration' dialog box open. The 'DHCP' radio button is selected. The 'IP Address' is '192.168.123.19'. The 'Subnet Mask' is '255.255.255.0'. The 'Default Gateway' is '0.0.0.0'. The 'DNS Server' is '0.0.0.0'. A message 'DHCP request successful.' is displayed.

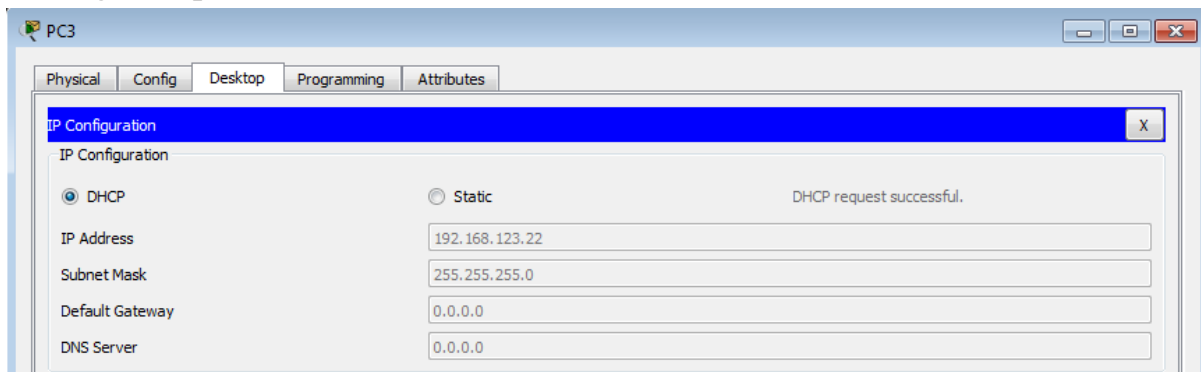
Konfigurasi pada PC1



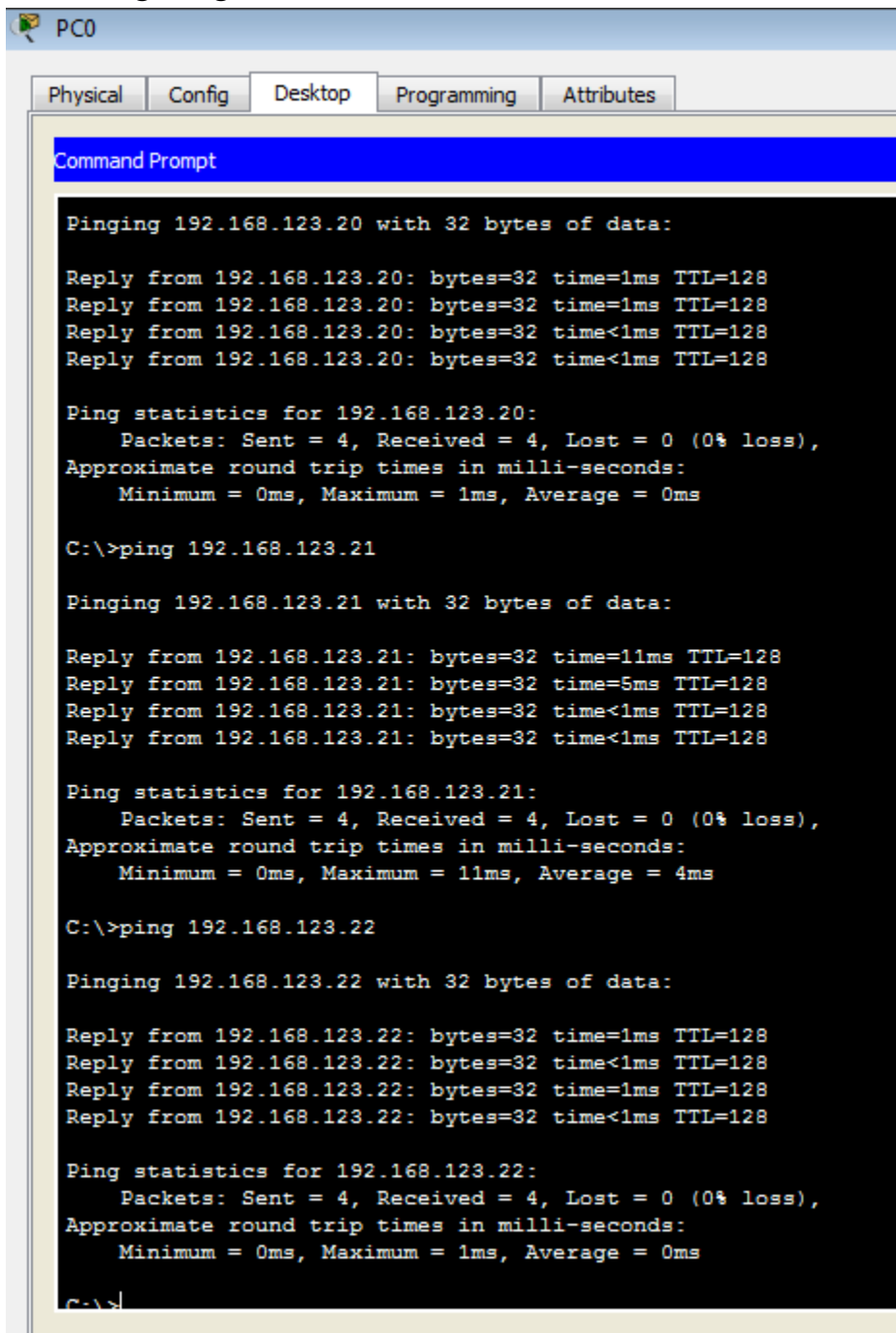
Konfigurasi pada PC2



Konfigurasi pada PC3



5. Setelah semua telah di konfigurasi, lakukan **ping** ke semua PC yang terhubung dengan server DHCP.



```
PC0
Physical Config Desktop Programming Attributes
Command Prompt

Pinging 192.168.123.20 with 32 bytes of data:

Reply from 192.168.123.20: bytes=32 time=1ms TTL=128
Reply from 192.168.123.20: bytes=32 time=1ms TTL=128
Reply from 192.168.123.20: bytes=32 time<1ms TTL=128
Reply from 192.168.123.20: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.123.20:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>ping 192.168.123.21

Pinging 192.168.123.21 with 32 bytes of data:

Reply from 192.168.123.21: bytes=32 time=11ms TTL=128
Reply from 192.168.123.21: bytes=32 time=5ms TTL=128
Reply from 192.168.123.21: bytes=32 time<1ms TTL=128
Reply from 192.168.123.21: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.123.21:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 11ms, Average = 4ms

C:\>ping 192.168.123.22

Pinging 192.168.123.22 with 32 bytes of data:

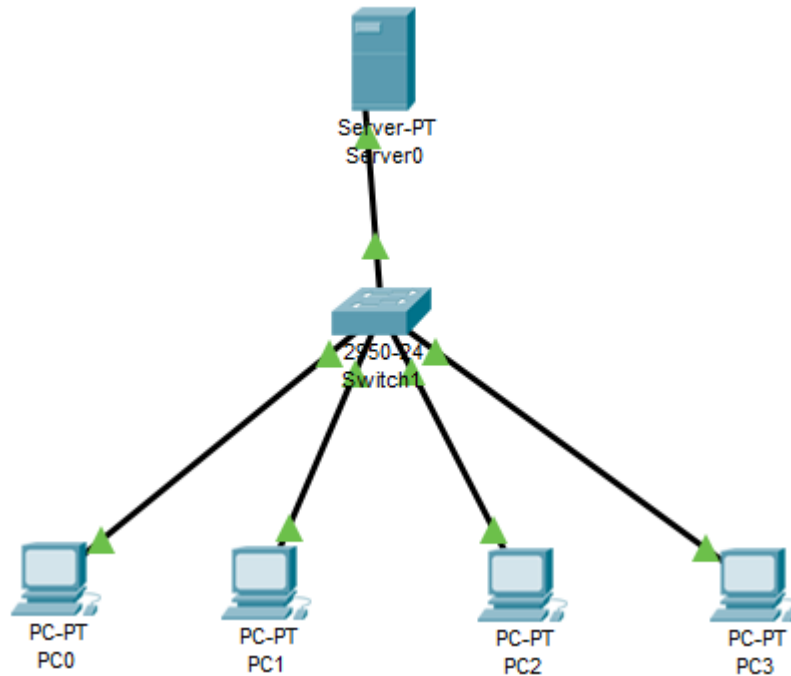
Reply from 192.168.123.22: bytes=32 time=1ms TTL=128
Reply from 192.168.123.22: bytes=32 time<1ms TTL=128
Reply from 192.168.123.22: bytes=32 time=1ms TTL=128
Reply from 192.168.123.22: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.123.22:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
```

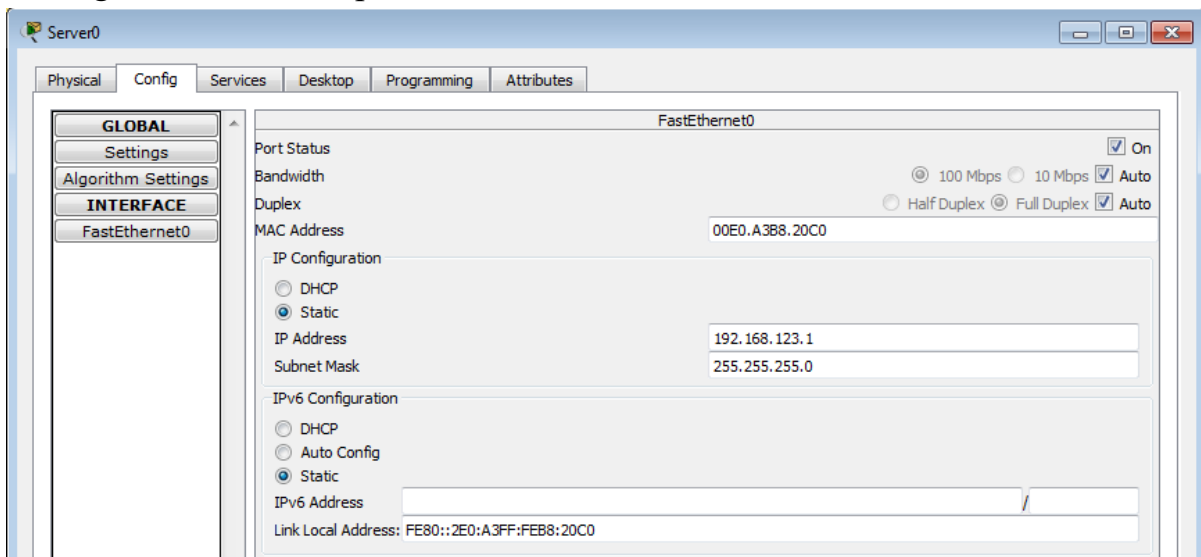
Praktikum II Membuat Web Server

1. Persiapkan server HTTP seperti gambar berikut ini.



2. Lakukan **konfigurasi** pada **Server** dan **client** seperti kegiatan praktikum sebelumnya.

Konfigurasi IP address pada Server0



Server0

Physical Config **Services** Desktop Programming Attributes

SERVICES

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management

DHCP

Interface: FastEthernet0 Service: ☒ On ☐ Off

Pool Name: serverPool

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

Start IP Address: 192 168 123 19

Subnet Mask: 255 255 255 0

Maximum Number of Users: 5

TFTP Server: 0.0.0.0

WLC Address: 0.0.0.0

Add Save Remove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	0.0.0.0	0.0.0.0	192.168.123...	255.255.255.0	5	0.0.0.0	0.0.0.0

Top

Konfigurasi pada PC0

PC0

Physical Config Desktop **Programming** Attributes

IP Configuration

IP Configuration

☒ DHCP ☐ Static DHCP request successful.

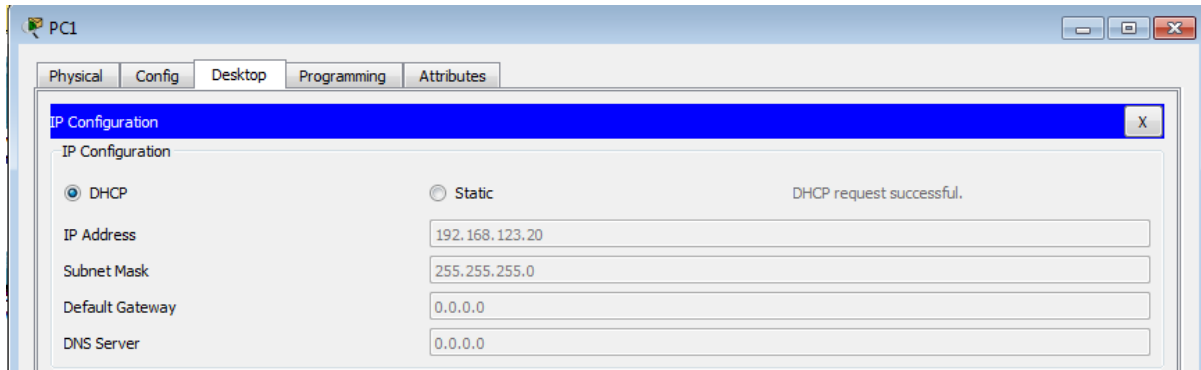
IP Address: 192.168.123.19

Subnet Mask: 255.255.255.0

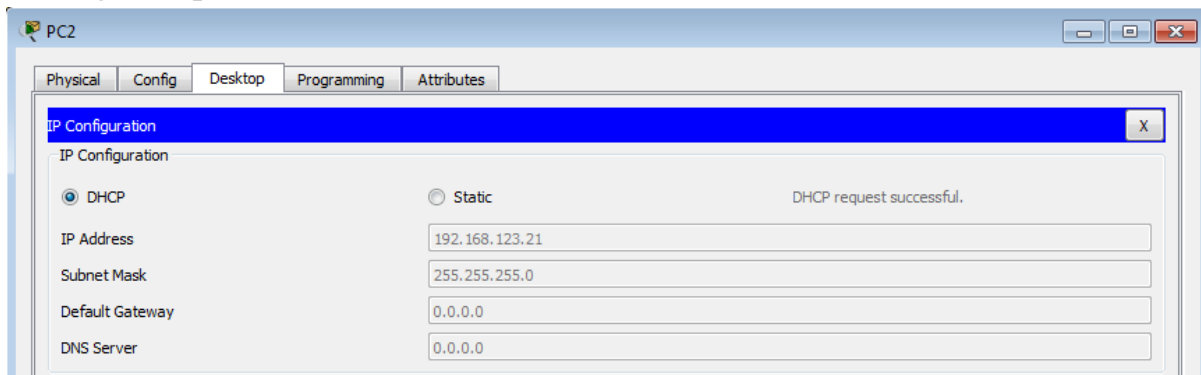
Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

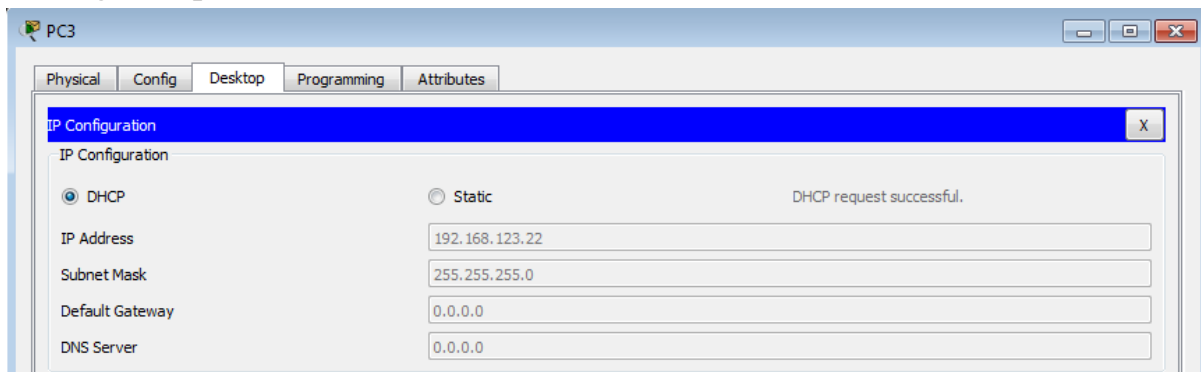
Konfigurasi pada PC1



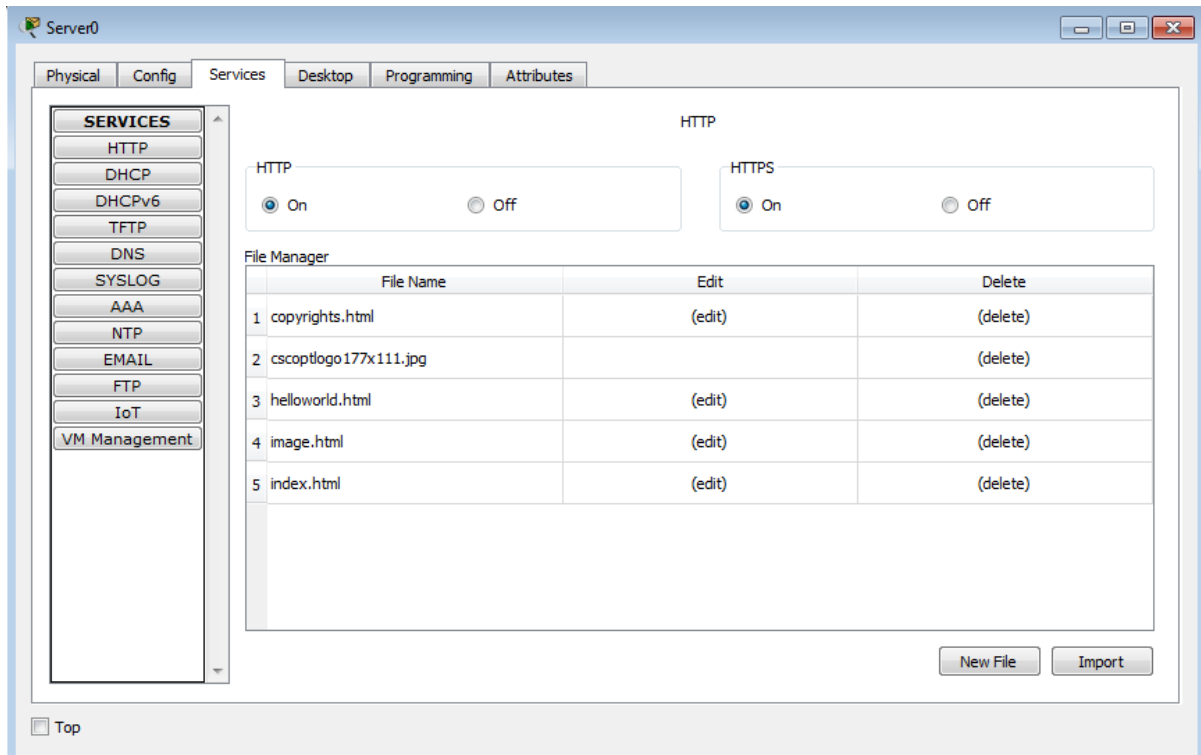
Konfigurasi pada PC2



Konfigurasi pada PC3



3. Pada tab **services**, pilih **HTTP**. Pastikan **radio button service HTTP** pada pilihan **On** seperti pada gambar berikut.



4. Untuk melakukan **browsing HTTP**, *double click* pada **PC0**. Kemudian pada tab **dekstop**, pilih **web browser**. Ketikkan **IP Address Server0** di field URL.

