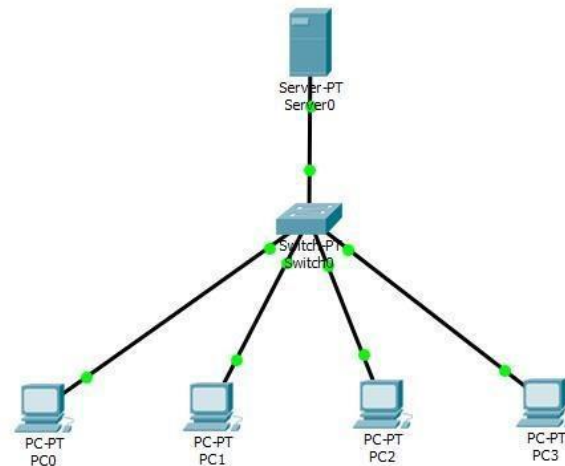
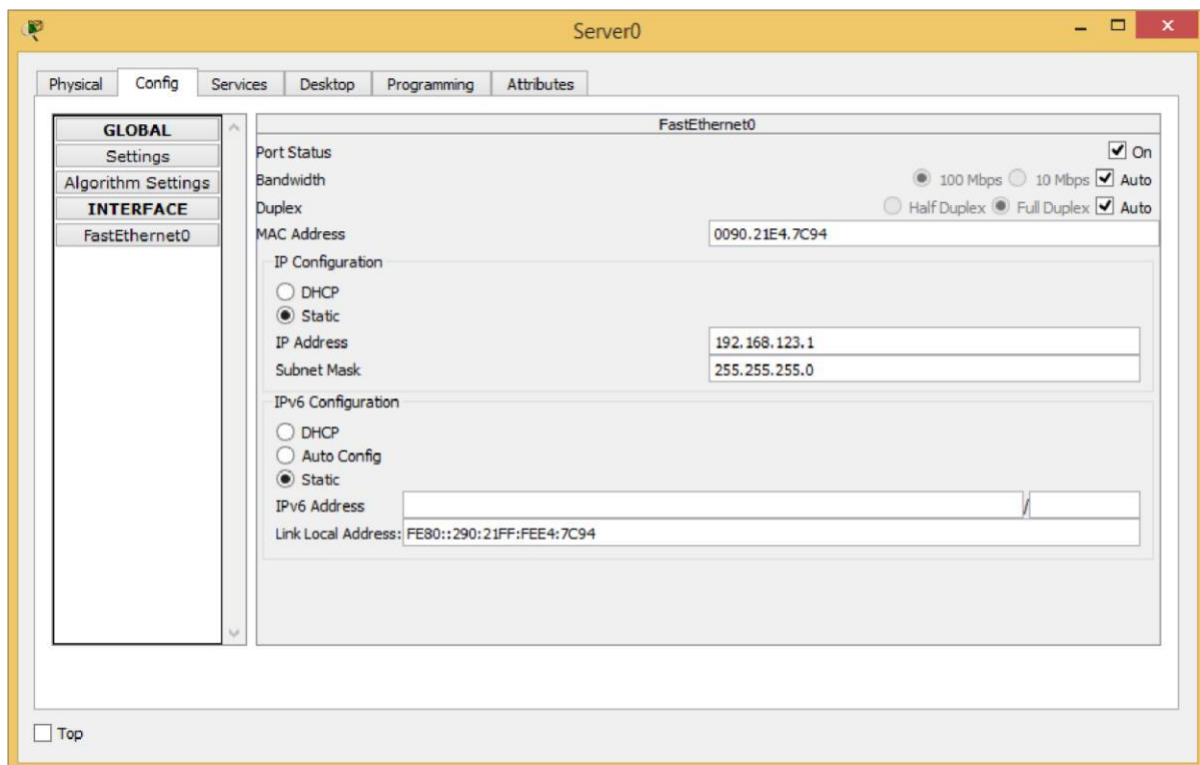


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Modul : 5

1. PRAKTIKUM 1 MEMBUAT DHCP SERVER



- Double-klik Svrer0 pilih tab config, pada menu interface, pilih Fast-Ethernet. Pada bagian IP Configuration, isikan dengan IP address server 192.168.123.1



- Pada menu servis klik DHCP dan klik On. Isi start IP address dengan 192.168.123.19 dan maximum number of users 5.

The screenshot shows the 'Server0' configuration window with the 'Services' tab selected. On the left, a 'SERVICES' list has 'DHCP' highlighted. The main area is titled 'DHCP' and shows the 'FastEthernet0' interface with the 'Service' radio button set to 'On'. The configuration fields are as follows:

- 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

Below these fields are 'Add', 'Save', and 'Remove' buttons. At the bottom, a table lists the configured DHCP pool:

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

- Pada sisi client pastikan pilihan radio button pada pilihan DHCP.

The screenshot shows the 'PC0' configuration window with the 'Config' tab selected. The 'IP Configuration' section is active, showing the 'DHCP' radio button selected. The configuration fields are as follows:

- IP Address: 192.168.123.19
- Subnet Mask: 255.255.255.0
- Default Gateway: 0.0.0.0
- DNS Server: 0.0.0.0

The 'IPv6 Configuration' section is also visible, with the 'Static' radio button selected. The fields for IPv6 are:

- IPv6 Address: (empty)
- Link Local Address: FE80::2E0:B0FF:FE44:5462
- IPv6 Gateway: (empty)
- IPv6 DNS Server: (empty)

PC1

Physical Config Desktop Programming Attributes

IP Configuration

IP Configuration

☒ DHCP ☐ Static

IP Address 192.168.123.20

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address /

Link Local Address FE80::2D0:FFFF:FEE0:4559

IPv6 Gateway

IPv6 DNS Server

☐ Top

PC2

Physical Config Desktop Programming Attributes

IP Configuration

IP Configuration

☒ DHCP ☐ Static

IP Address 192.168.123.21

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

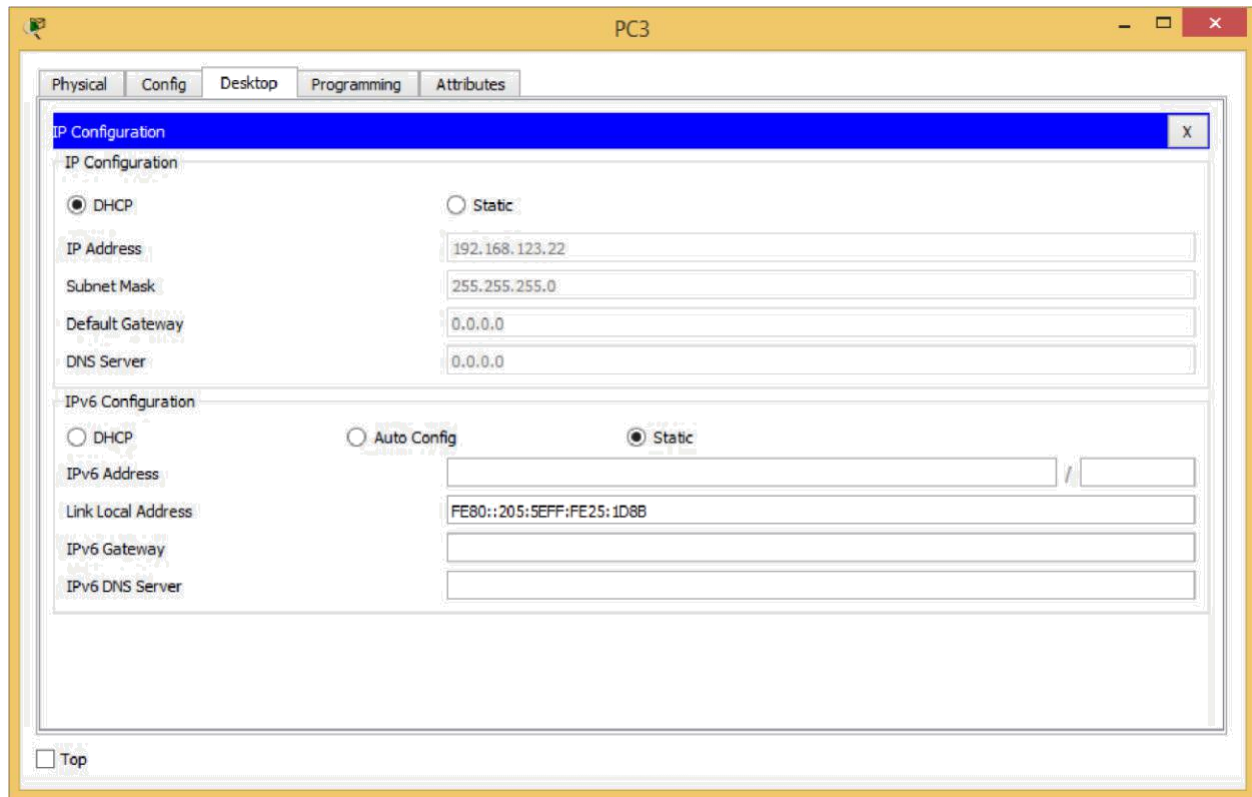
IPv6 Address /

Link Local Address FE80::2D0:97FF:FE44:DD93

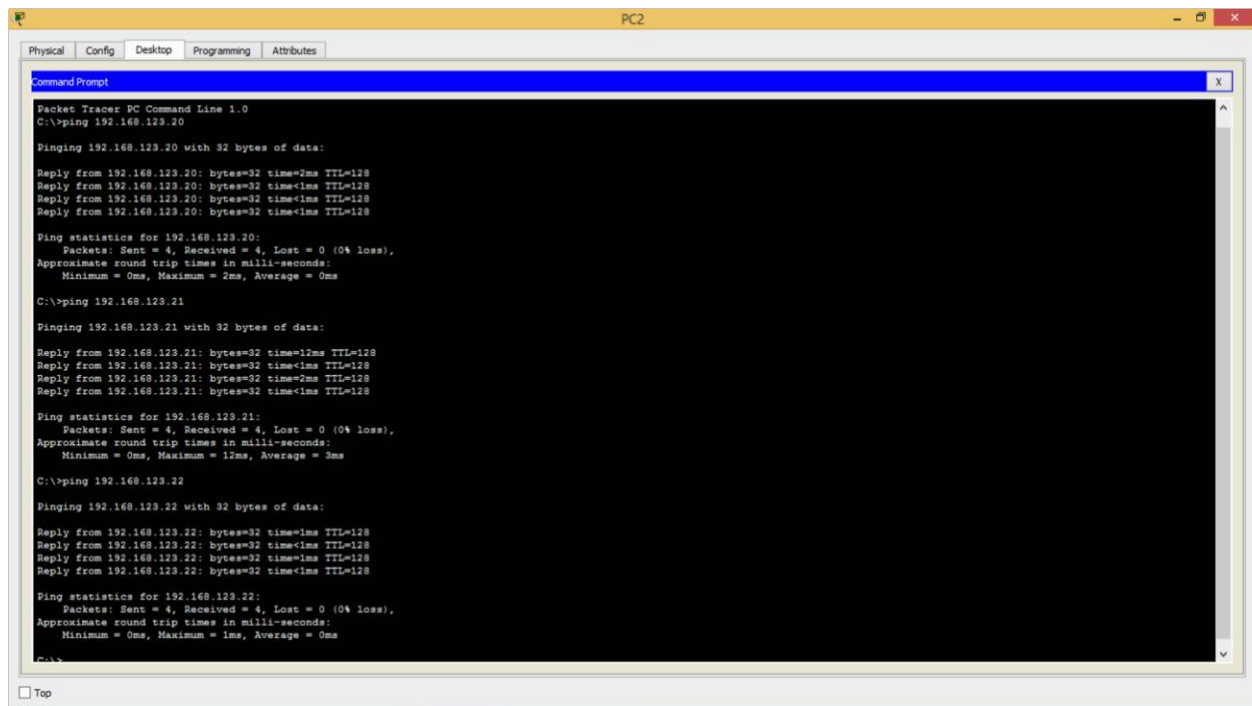
IPv6 Gateway

IPv6 DNS Server

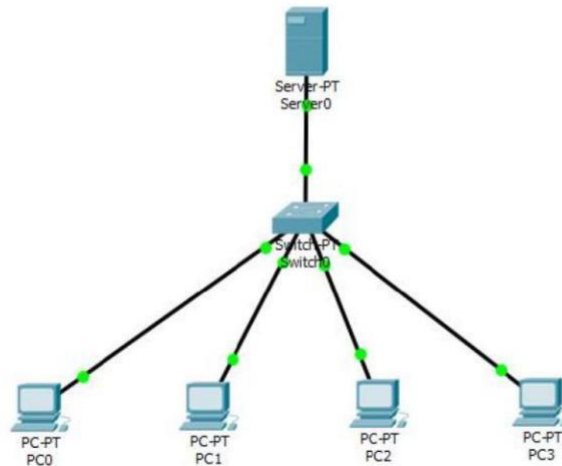
☐ Top



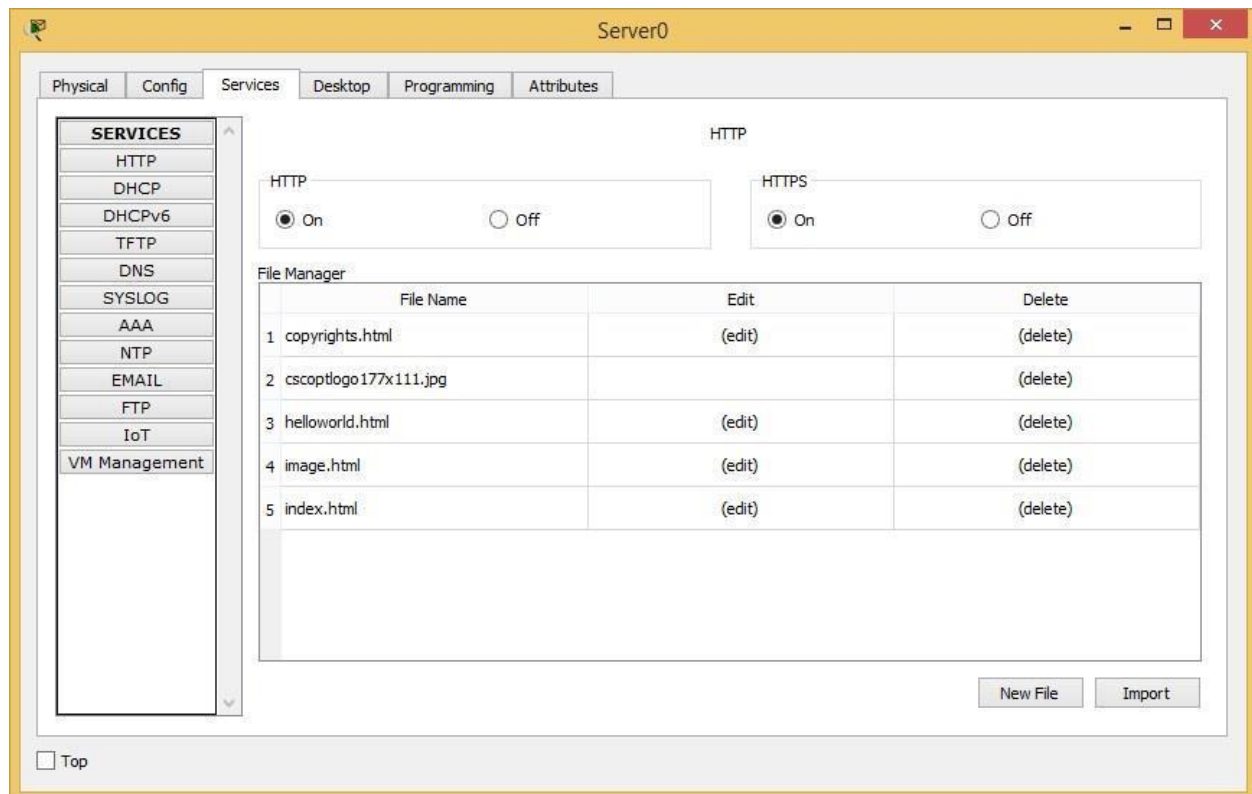
➤ Setelah selesai konfigurasi semua, lakukan ping pada semua PC.



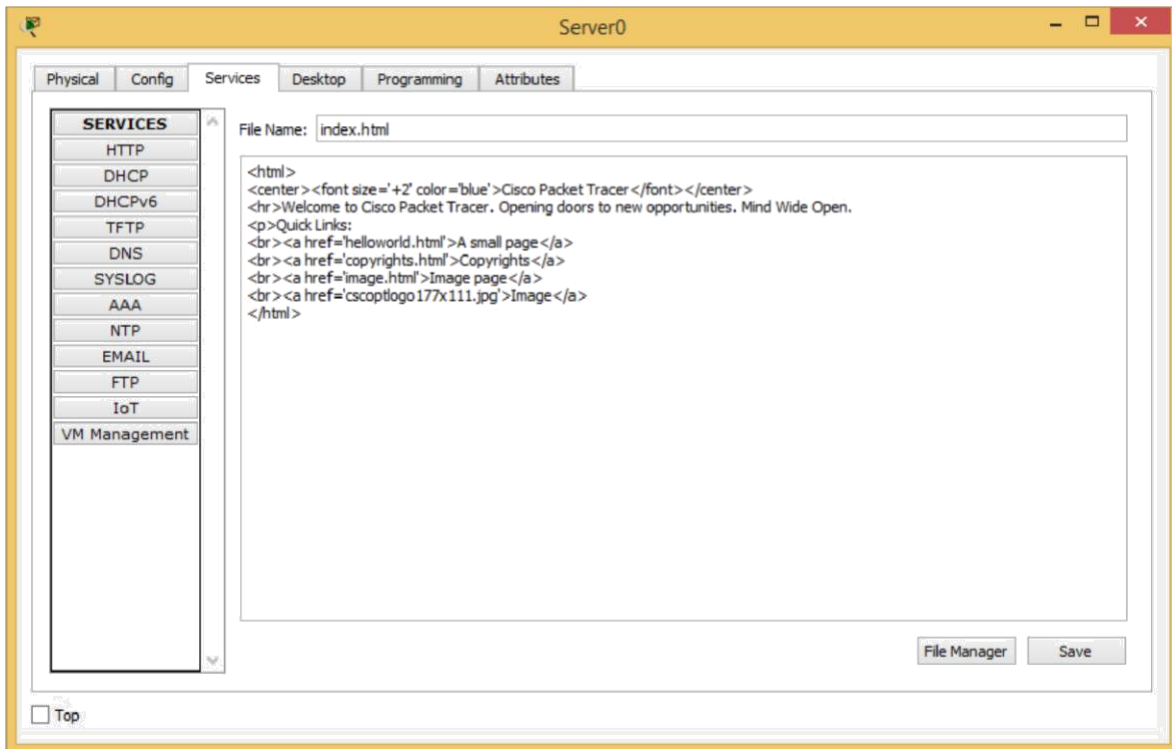
2. PRAKTIKUM 2 MEMBUAT WEB SERVER



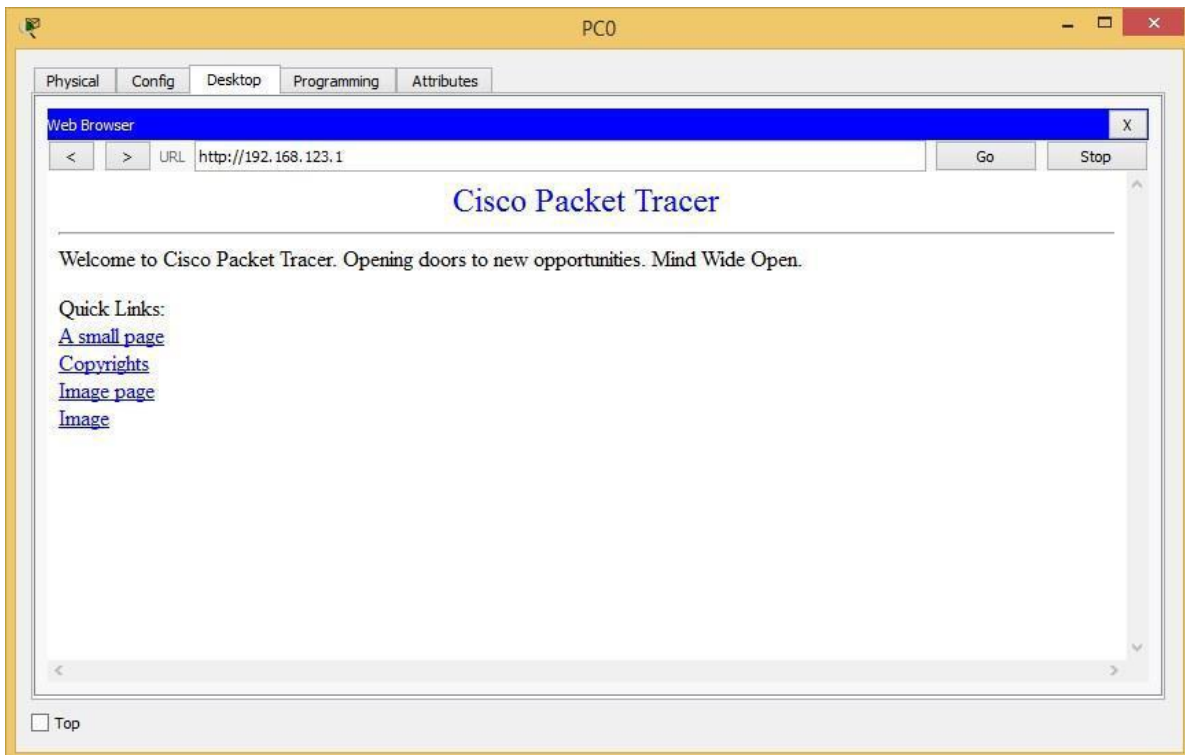
- Pastikan rancangan sudah tersetting sama seperti kegiatan 1
- Masuk ke Server0, pilih Services pilih HTTP. Pastikan radio button pada service HTTP pada pilihan On



- Lalu ubah index.html sesuai yang diinginkan

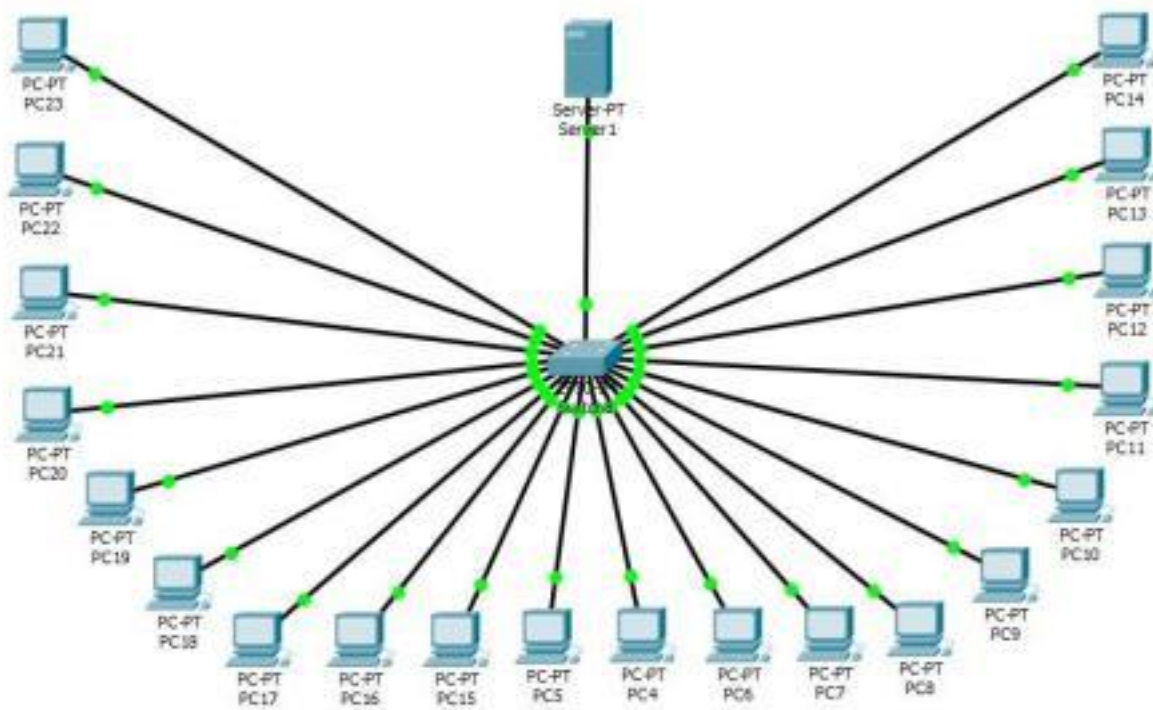


- Melakukan browsing HTTP. Double klik pada PC0, pilih Desktop, pilih Web Browser. Ketikkan IP address 192.168.123.1 di field url



TUGAS

1. Membuat DHCP server dengan client terdiri dari 20 PC



➤ Atur IP config Server

Server1

Physical Config Services Desktop Programming Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

FastEthernet0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 00D0.BA69.3C22

IP Configuration

☐ DHCP

☒ Static

IP Address 192.168.123.1

Subnet Mask 255.255.255.0

IPv6 Configuration

☐ DHCP

☐ Auto Config

☒ Static

IPv6 Address

Link Local Address: FE80::2D0:BAFF:FE69:3C22

☐ Top

➤ Pada menu servis klik DHCP dan klik On. Isi start IP address dengan 192.168.123.30 dan maximum number of users 31.

Server1

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 30

Subnet Mask: 255 255 255 0

Maximum Number of Users : 31

TFTP Server: 0.0.0.0

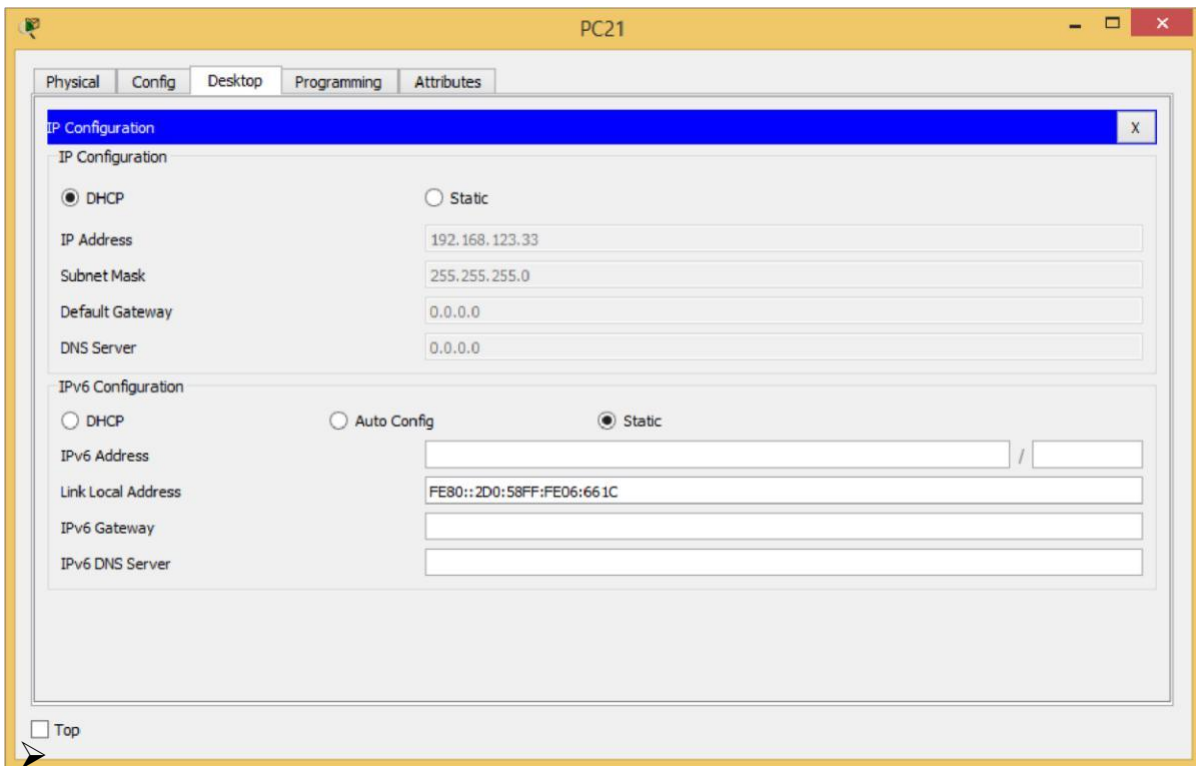
WLC Address: 0.0.0.0

Add Save Remove

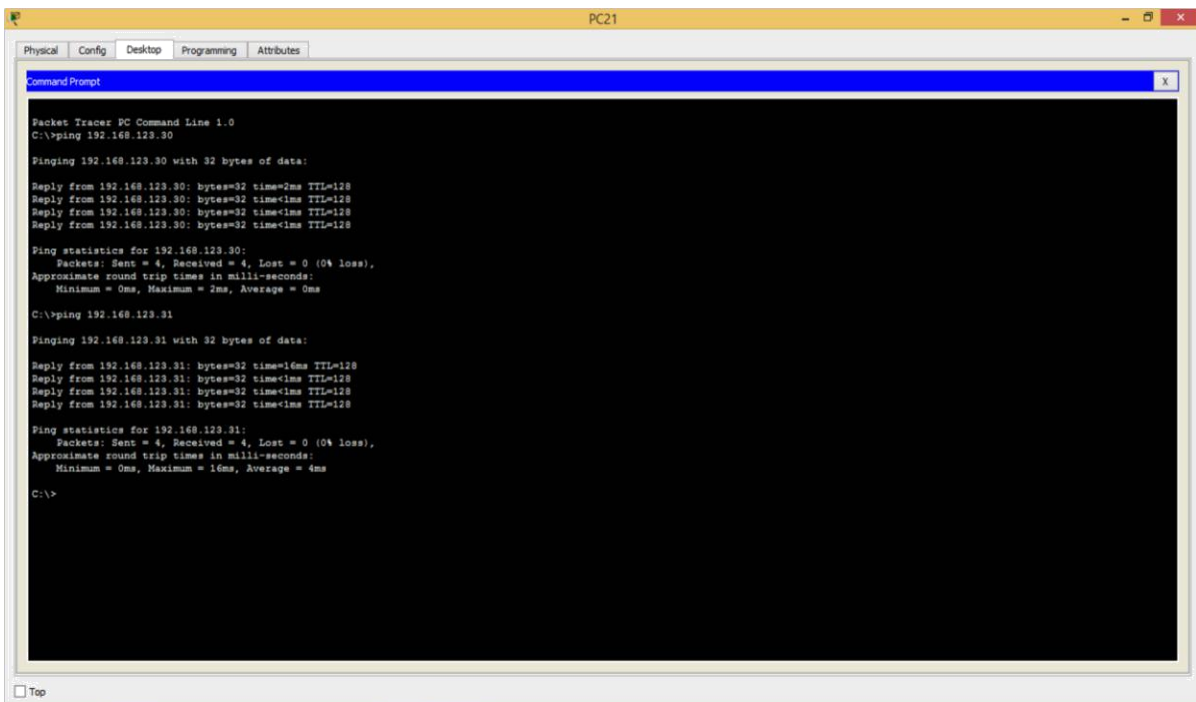
Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	0.0.0.0	0.0.0.0	192.168.123...	255.255.255.0	31	0.0.0.0	0.0.0.0

☐ Top

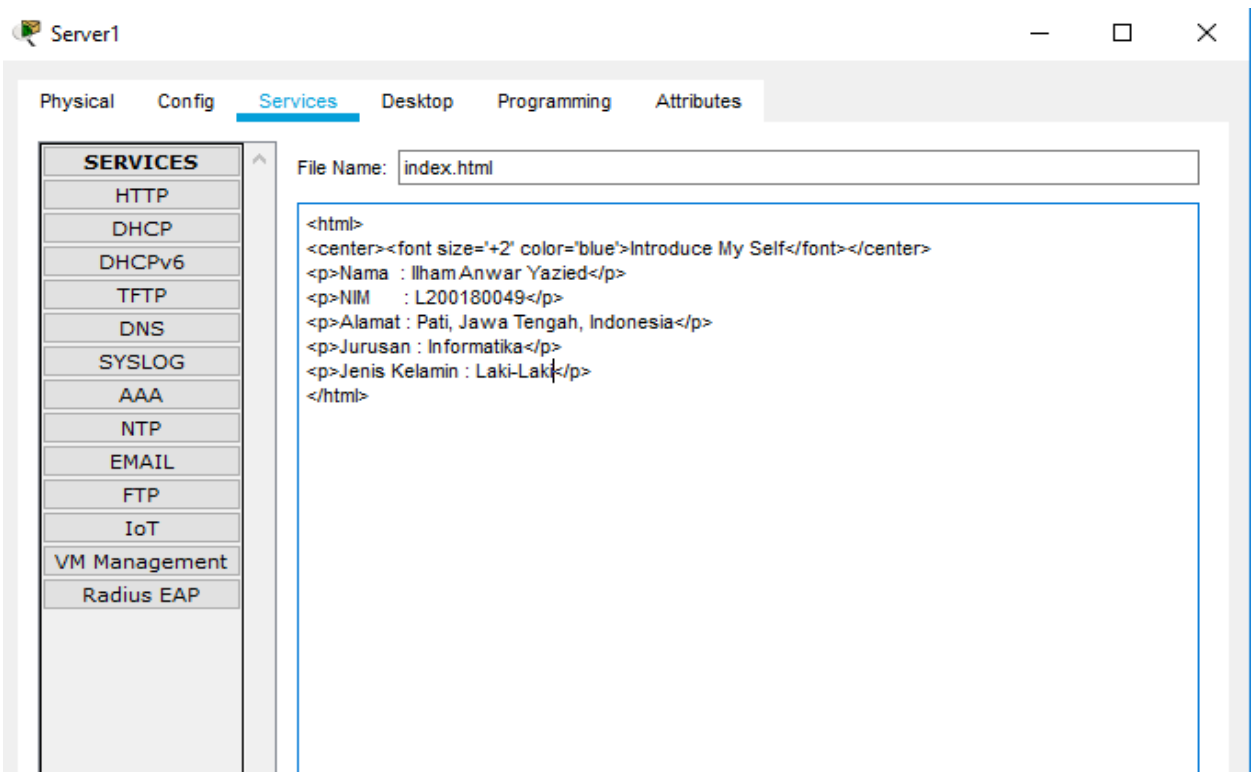
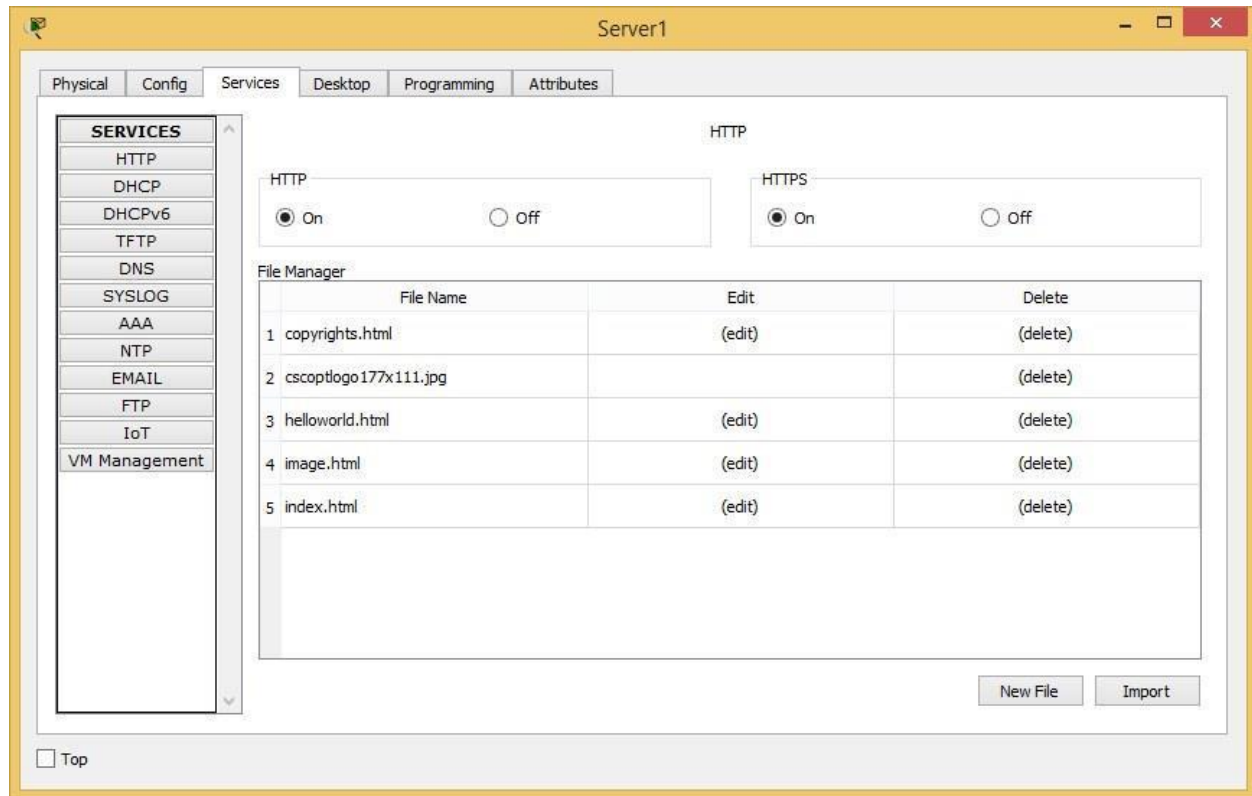
- Pada sisi client pastikan pilihan radio button pada pilihan DHCP.



- Setelah selesai konfigurasi, lakukan ping pada PC.



2. Membuat web server dengan mengubah tampilan pada web tersebut



➤ Tampilan :

