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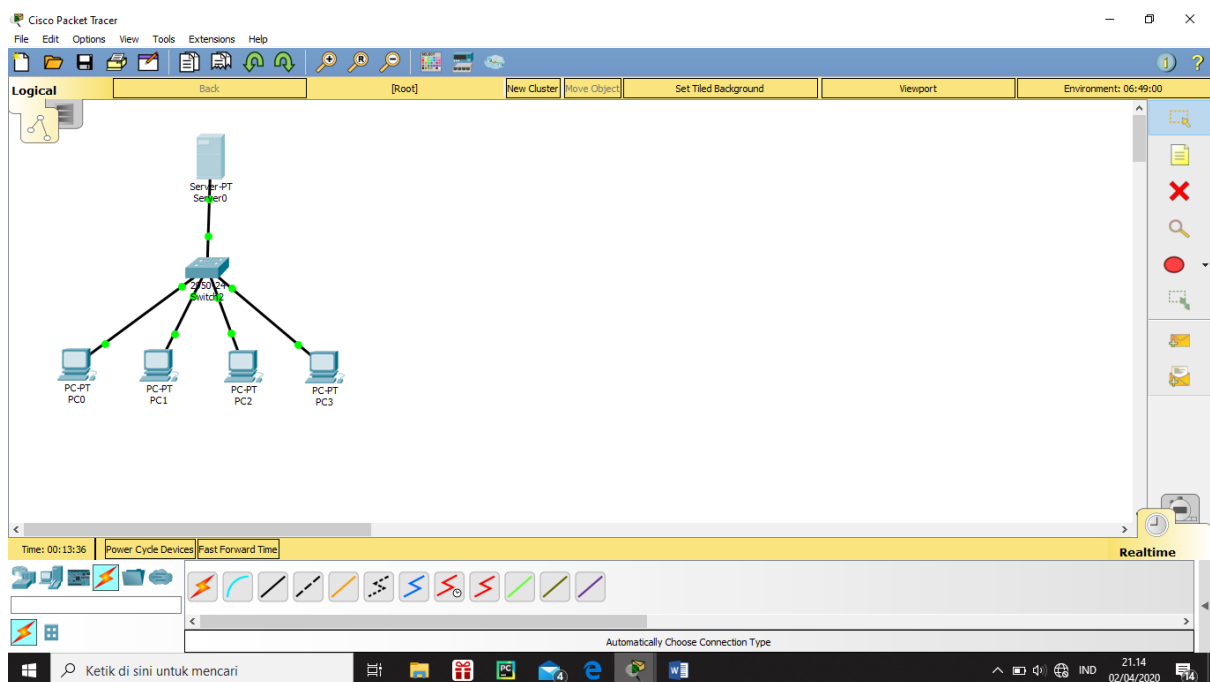
Kelas : E

Modul 5

Praktikum Jaringan dan Komputer

Kegiatan 1

Membuat simulasi rancangan DHCP Server menggunakan 5 buah workstation, 1 switch, dan 1 server



Mengisikan IP Address dan Subnet Mask

The screenshot shows the 'Config' tab for 'FastEthernet0' in the 'Server0' window. The 'INTERFACE' section is selected in the left sidebar. The 'FastEthernet0' interface is configured with the following settings:

- Port Status: ☒ On
- Bandwidth: ☒ 100 Mbps ☐ 10 Mbps ☒ Auto
- Duplex: ☐ Half Duplex ☒ Full Duplex ☒ Auto
- MAC Address: 0060.70E5.0481
- IP Configuration: ☐ DHCP ☒ Static
- IP Address: 192.168.123.1
- Subnet Mask: 255.255.255.0
- IPv6 Configuration: ☐ DHCP ☐ Auto Config ☒ Static
- IPv6 Address: (empty field)
- Link Local Address: FE80::260:70FF:FEE5:481

At the bottom left, there is a 'Top' button.

IP Address di isikan dengan 192.168.123.19 dengan maximum number of users = 5

The screenshot shows the 'Services' tab for 'FastEthernet0' in the 'Server0' window. The 'DHCP' service is selected in the left sidebar. The 'DHCP' service is configured with the following settings:

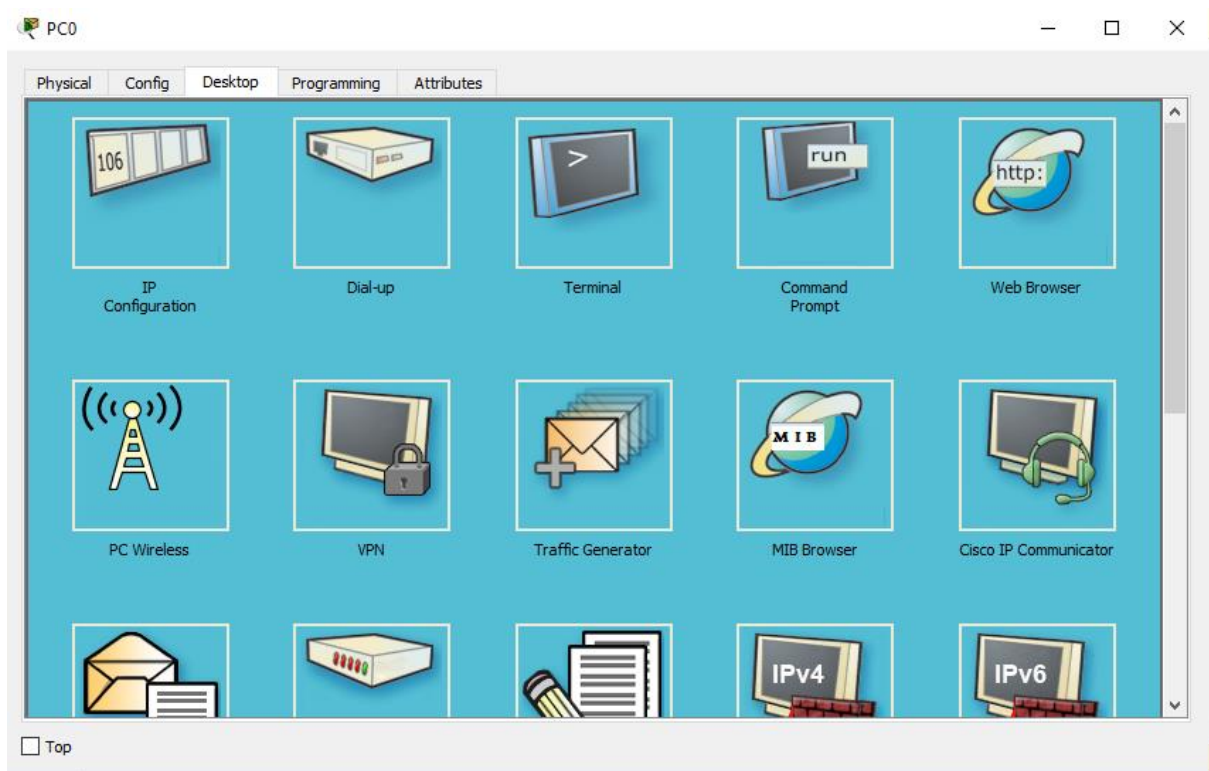
- Interface: FastEthernet0
- Service: ☒ On ☐ Off
- Pool Name: serverPool
- Default Gateway: 0.0.0.0
- DNS Server: 0.0.0.0
- Start IP Address: 192 168 123 19
- Subnet Mask: 255 255 255 0
- Maximum Number of Users: 255
- TFTP Server: 0.0.0.0
- WLC Address: 0.0.0.0

Below the configuration fields, there are three buttons: 'Add', 'Save', and 'Remove'. Below these buttons is a table showing the configuration for the 'serverPool'.

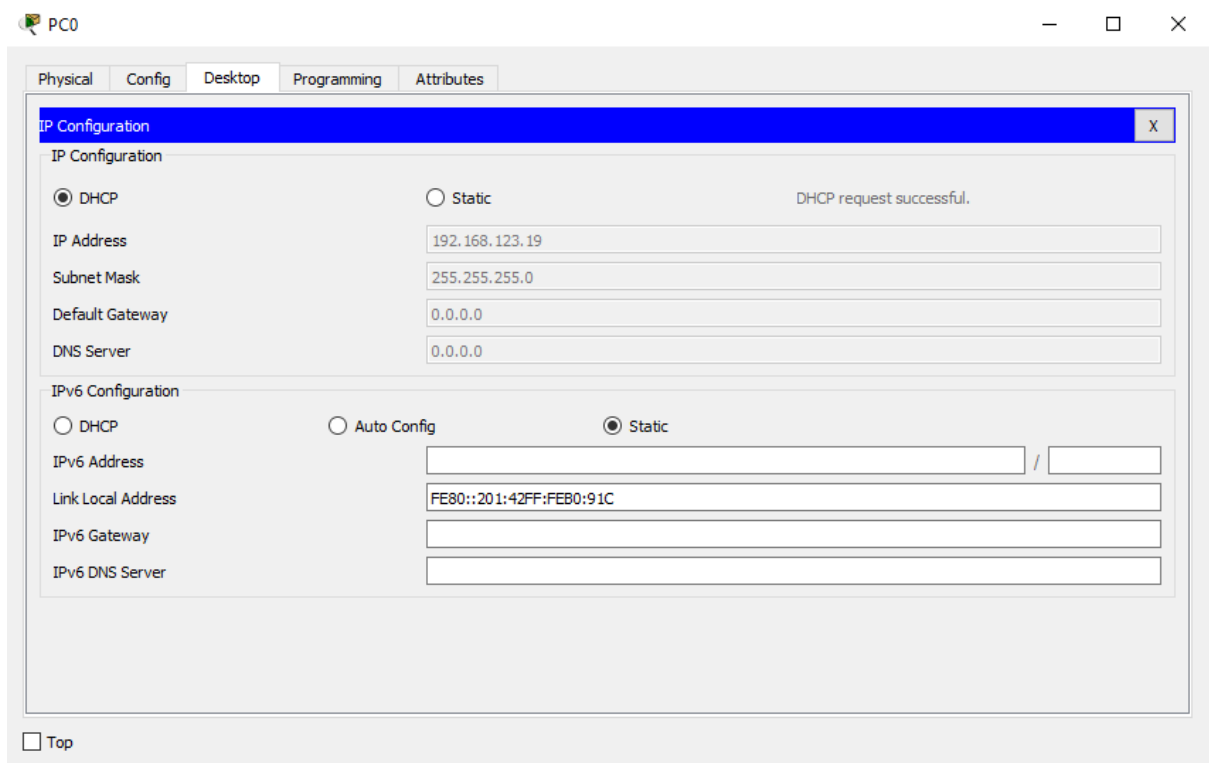
Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	0.0.0.0	0.0.0.0	192.168.123.0	255.255.255.0	255	0.0.0.0	0.0.0.0

At the bottom left, there is a 'Top' button.

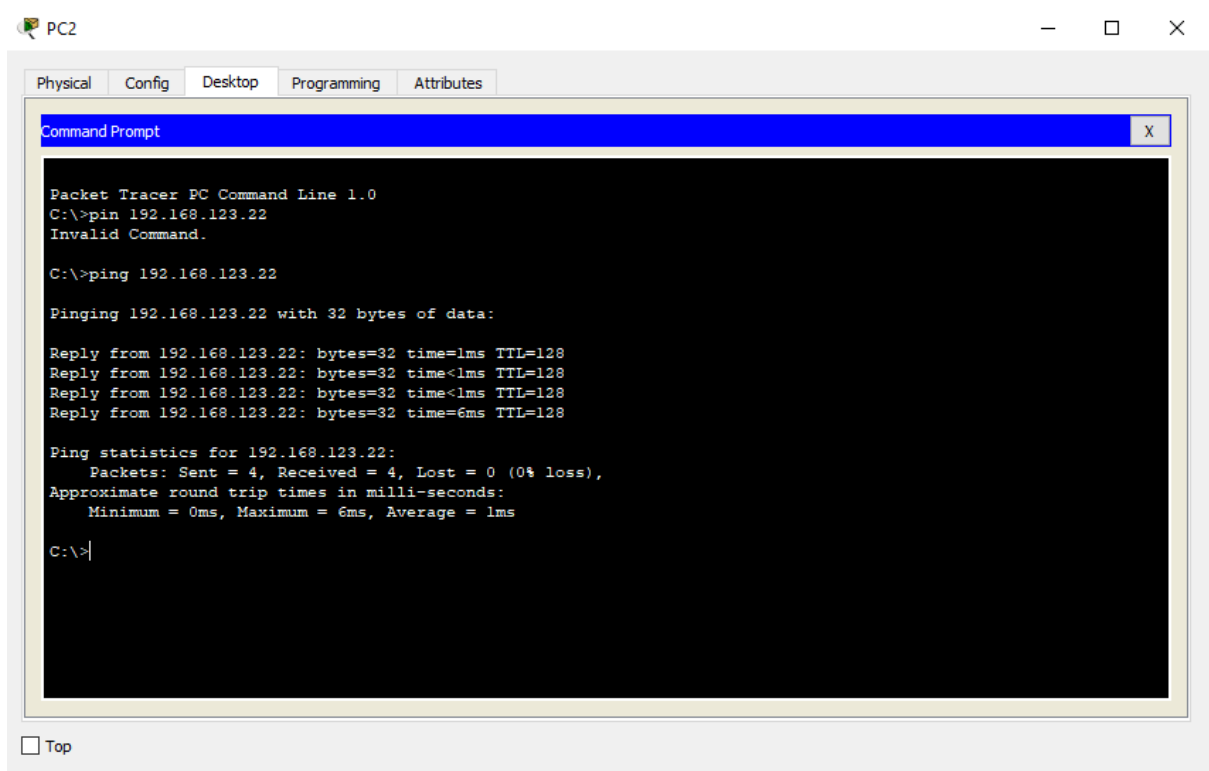
Double klik pada PC pilih dekstop, pilih menu IP Configuration



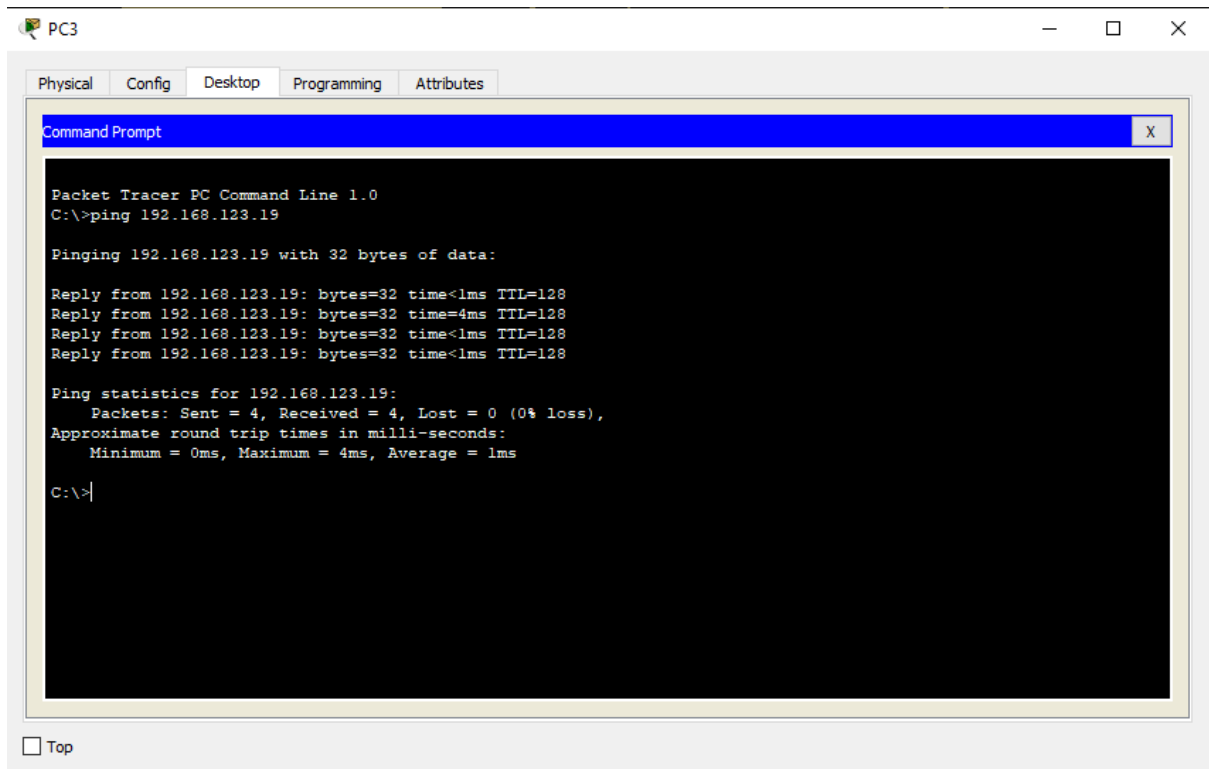
Pilih radio button pada pilihan DHCP , lalu cek IP pada PC tersebut



Ping PC 2 ke PC 3

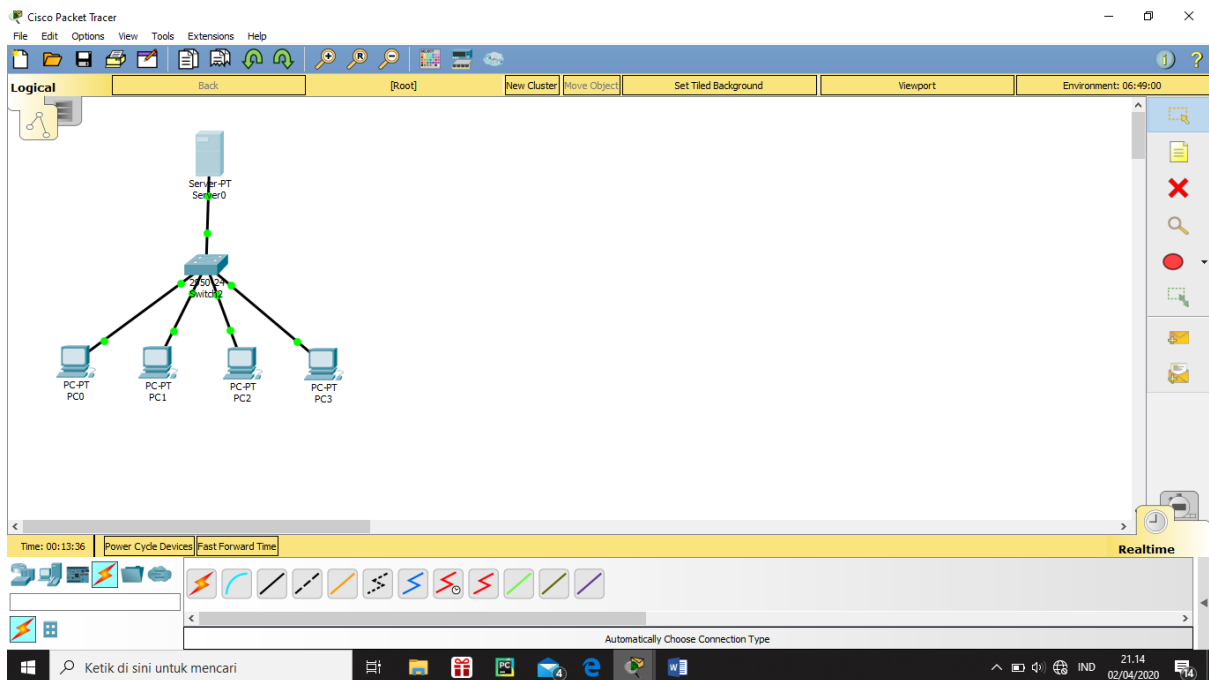


Ping PC 3 ke PC 1



Kegiatan 2

Membuat simulasi server HTTP menggunakan 1 buah workstation dan 1 server yang terhubung langsung dengan kabel tipe cross

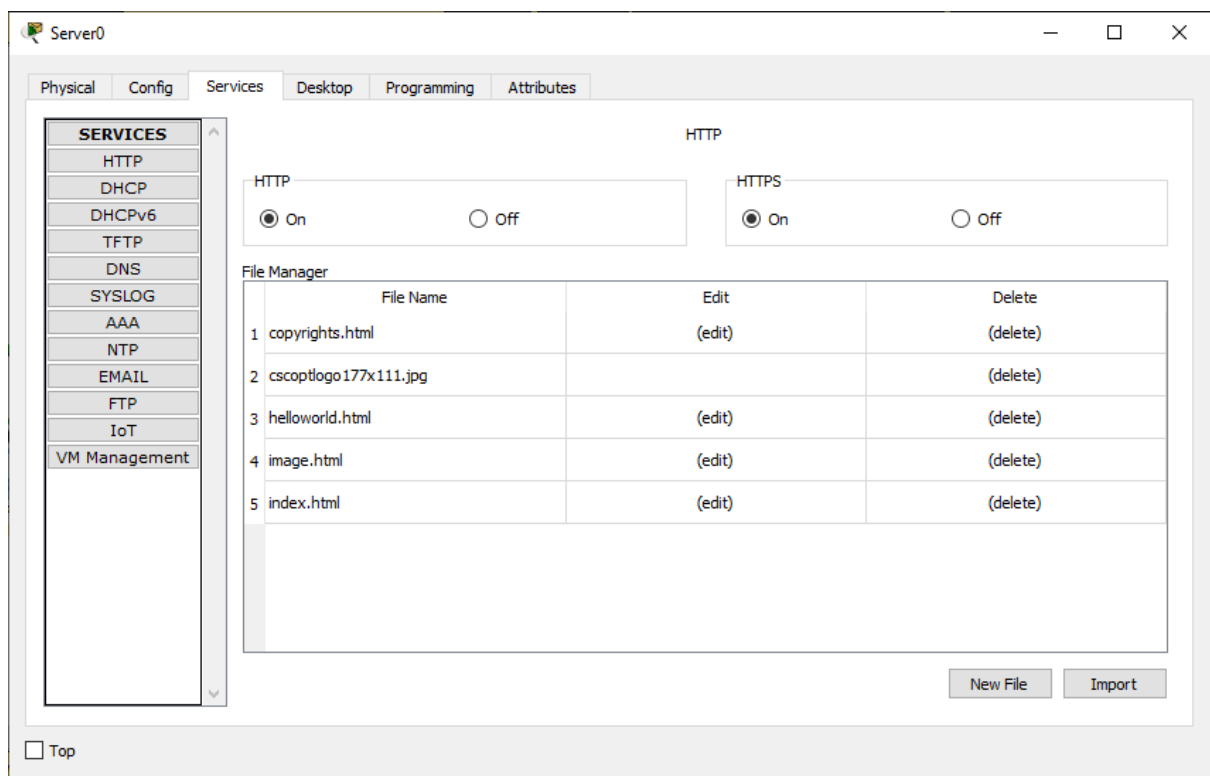


Konfigurasi IP Address pada Server 0

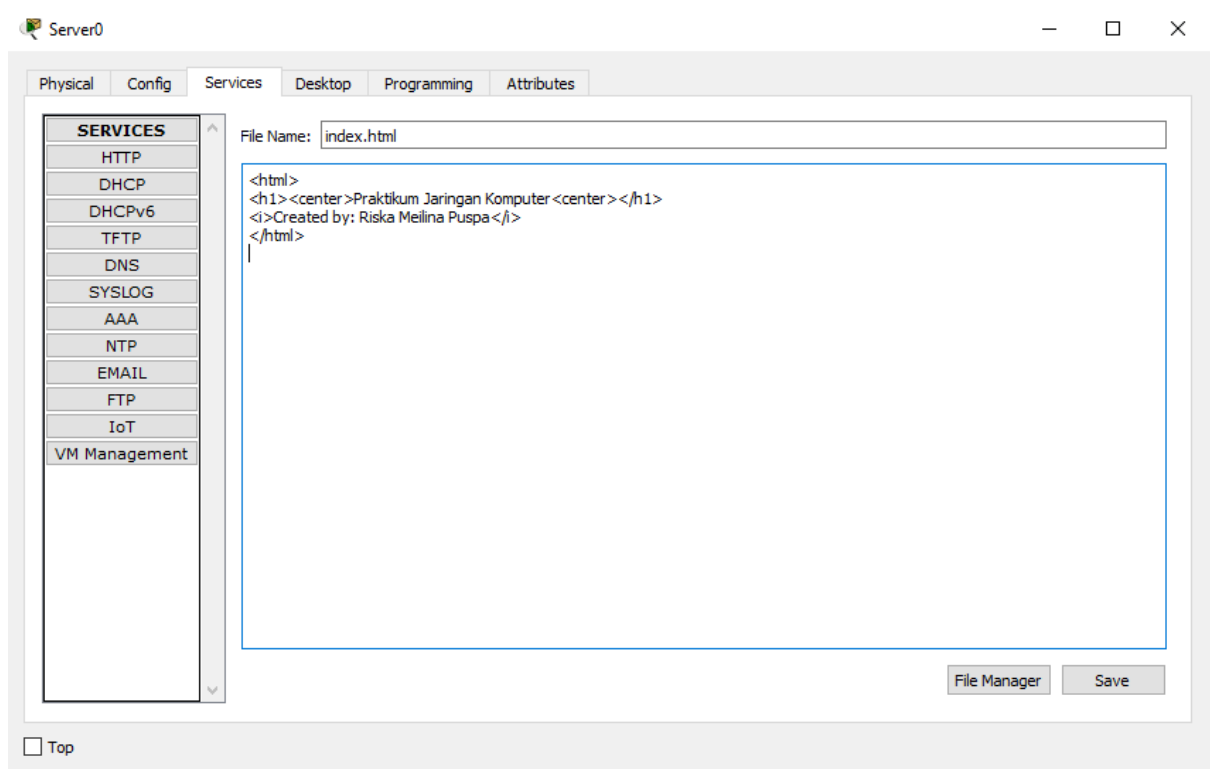
The screenshot shows the configuration window for 'Server0'. The 'Config' tab is selected, and the 'FastEthernet0' interface is chosen. The configuration is as follows:

Section	Configuration
Port Status	<input checked="" type="checkbox"/> On
Bandwidth	<input checked="" type="radio"/> 100 Mbps <input type="radio"/> 10 Mbps <input checked="" type="checkbox"/> Auto
Duplex	<input type="radio"/> Half Duplex <input checked="" type="radio"/> Full Duplex <input checked="" type="checkbox"/> Auto
MAC Address	0060.70E5.0481
IP Configuration	<input type="radio"/> DHCP <input checked="" type="radio"/> Static
IP Address	192.168.123.1
Subnet Mask	255.255.255.0
IPv6 Configuration	<input type="radio"/> DHCP <input type="radio"/> Auto Config <input checked="" type="radio"/> Static
IPv6 Address	
Link Local Address	FE80::260:70FF:FEE5:481

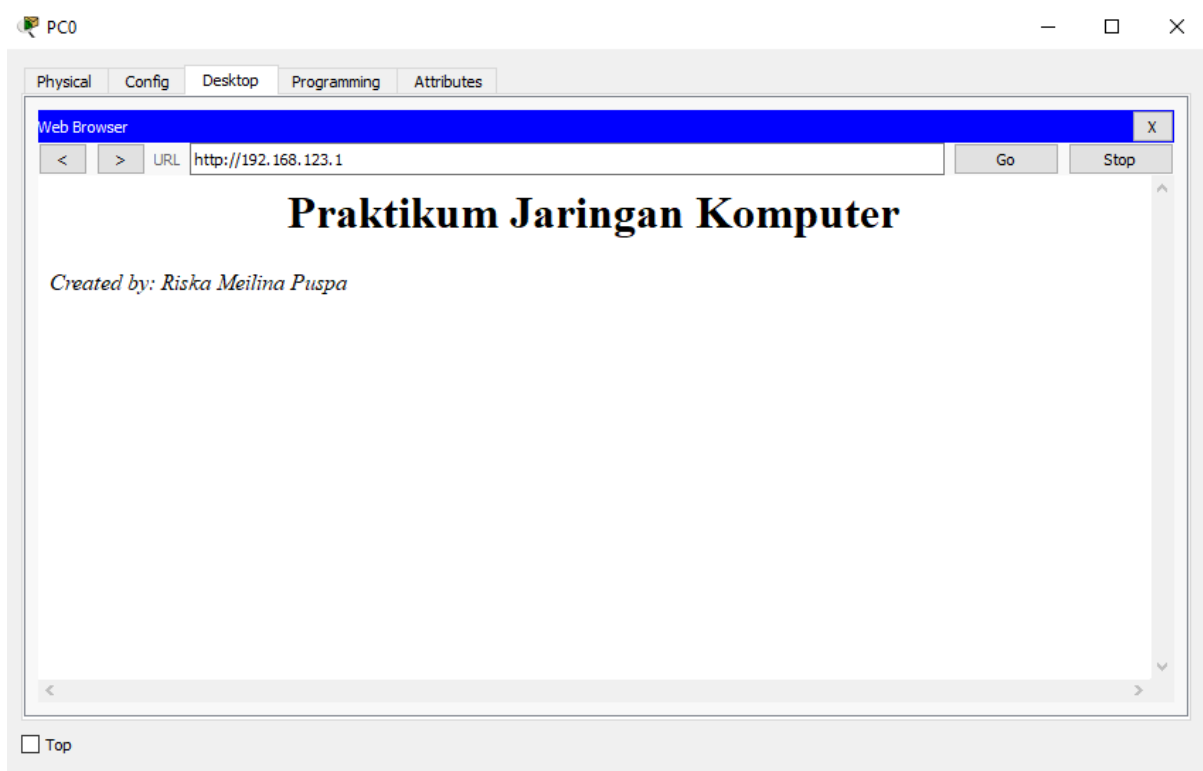
Memastikan radio button service HTTP pada pilihan on



Mengubah script HTML

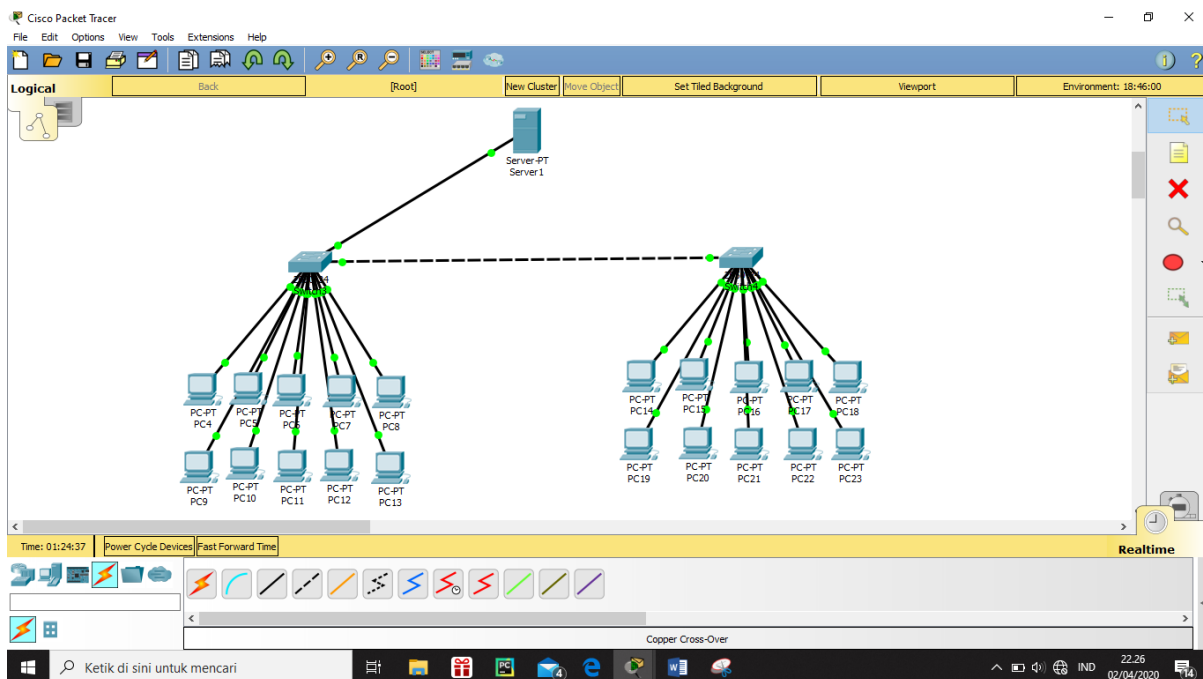


Melakukan browsing HTTP



Tugas

Membuat DHCP server dengan 20 PC



Mengisikan IP Address dan Subnet Mask

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 0030.F258.296D

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::230:F2FF:FE58:296D

☐ Top

IP Address di isikan dengan 192.168.123.5 dengan maximum number of users = 25

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 5

Subnet Mask: 255 255 255 0

Maximum Number of Users : 25

TFTP Server: 0.0.0.0

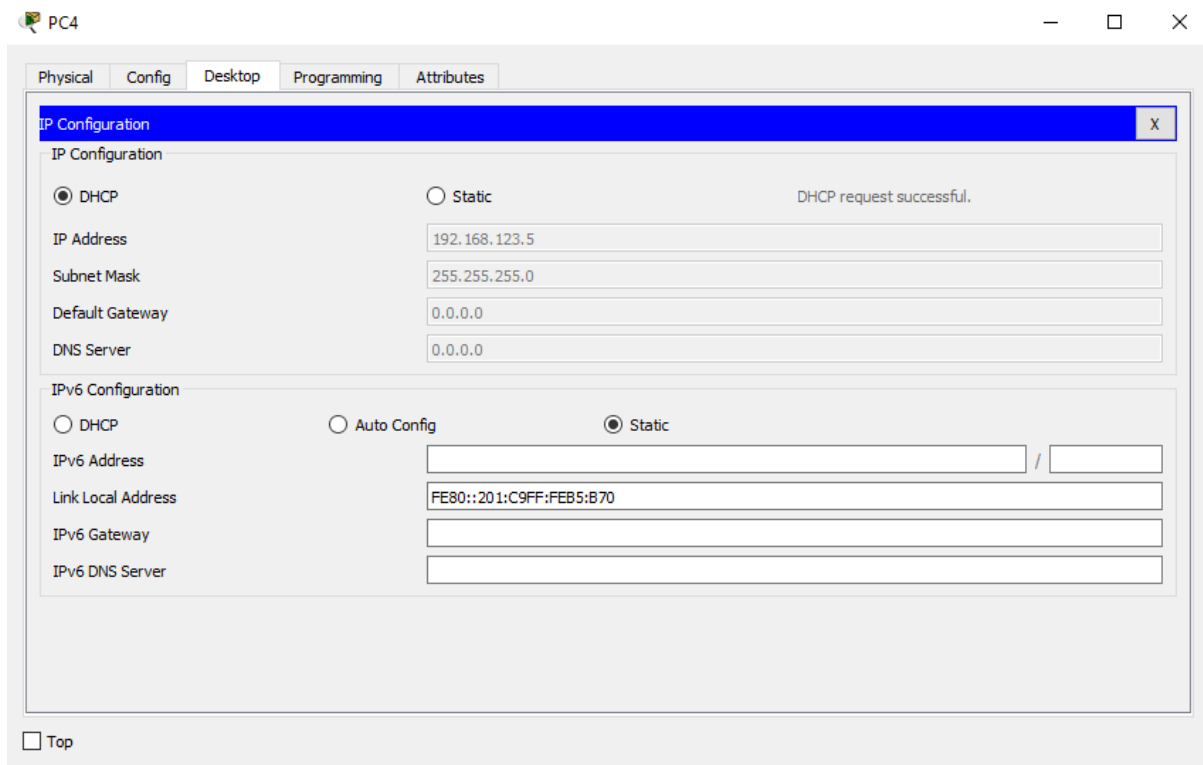
WLC Address: 0.0.0.0

Add Save Remove

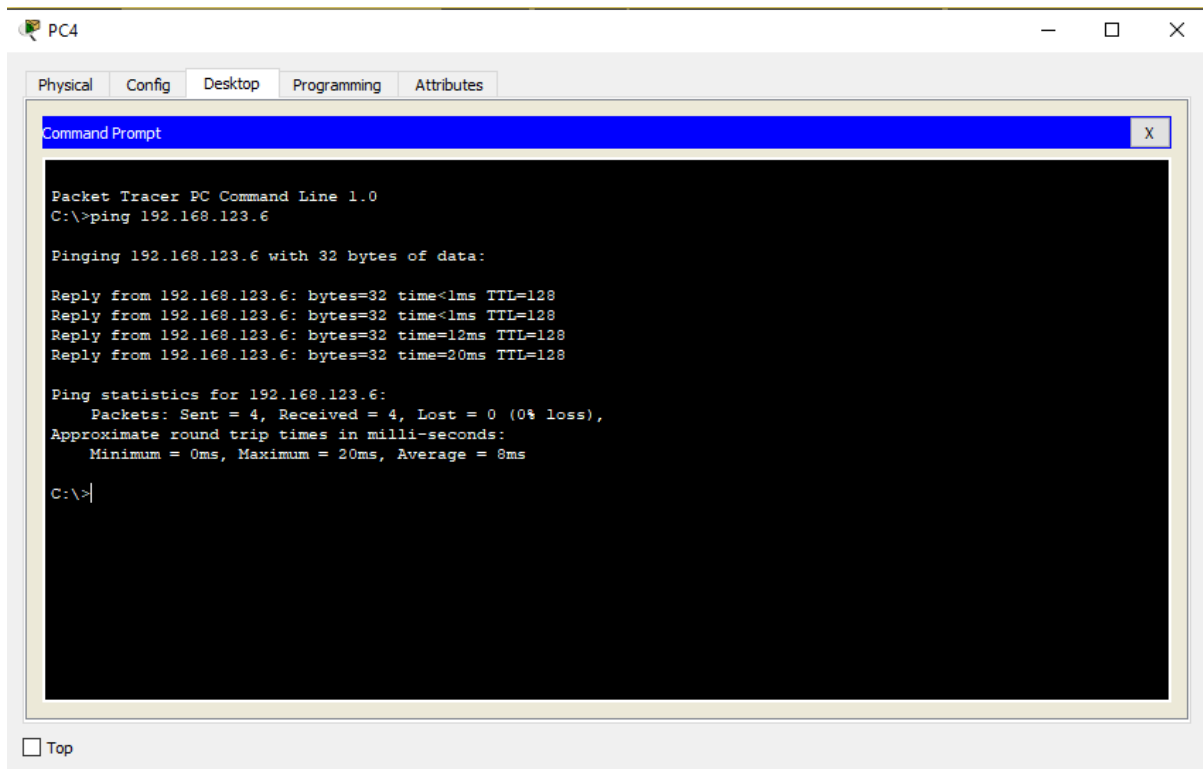
Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	0.0.0.0	0.0.0.0	192.168.123.5	255.255.255.0	25	0.0.0.0	0.0.0.0

☐ Top

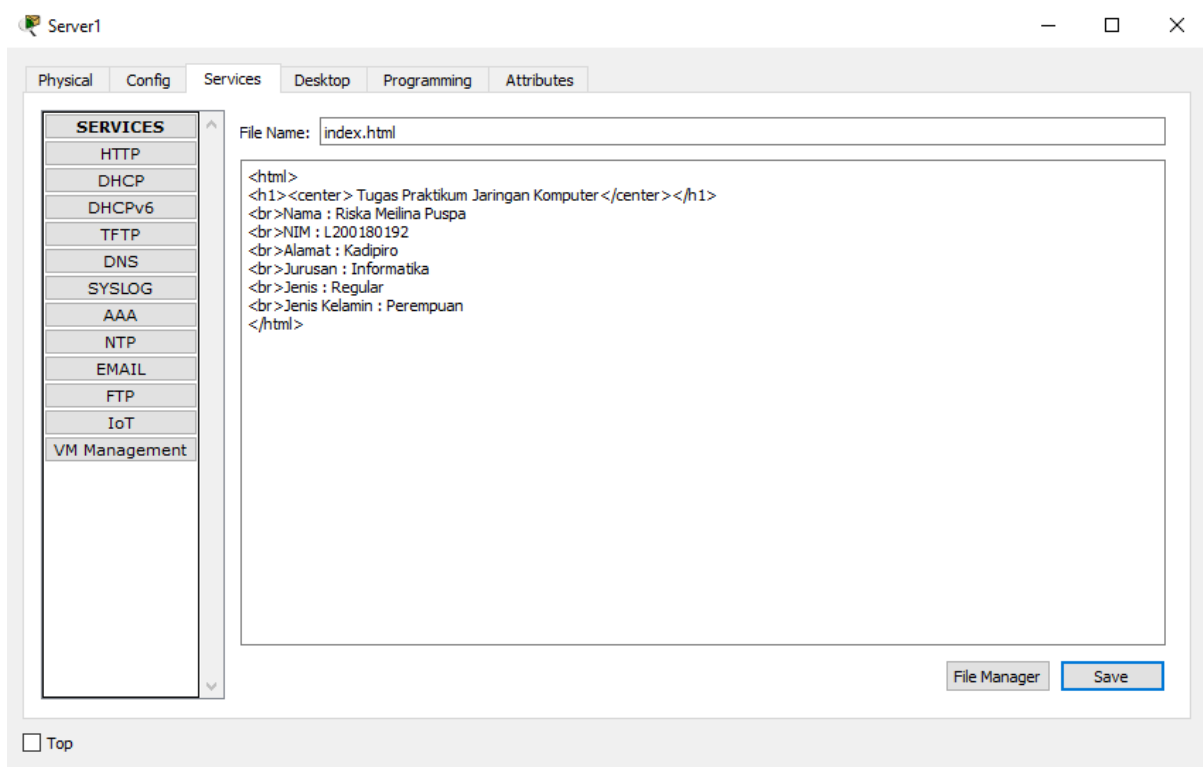
Pilih radio button pada pilihan DHCP , lalu cek IP pada PC tersebut



Ping PC 4 ke PC 5



Mengubah script HTML



Melakukan browsing HTTP

