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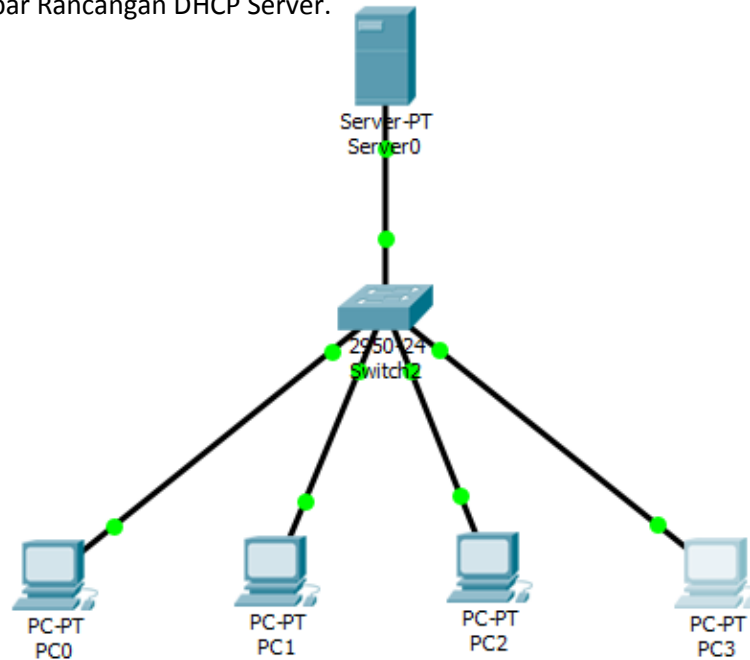
Kelas : C → D

MODUL V

DHCP Server dan Web Server

1. Praktikum 1 Membuat DHCP Server.

a. Gambar Rancangan DHCP Server.



b. Mengisikan IP Address dan Subnet mask pada server.

FastEthernet0	
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	00D0.9778.A893
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::2D0:97FF:FE78:A893

- c. Memastikan service DHCP On pada server.

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	192.168.123.0	255.255.255.0	255	0.0.0.0	0.0.0.0

- d. Melakukan konfigurasi IP pada setiap PC dengan megaktifkan radio button DHCP.

- PC 0

PC0

Physical Config Desktop Programming Attributes

IP Configuration

☒ DHCP ☐ Static

IP Address 192.168.123.2

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::260:70FF:FEED:ADB9

IPv6 Gateway

IPv6 DNS Server

☐ Top

- PC 1

PC1

Physical Config Desktop Programming Attributes

IP Configuration

IP Configuration

☒ DHCP ☐ Static

IP Address 192.168.123.3

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::20D:BDFF:FE36:DD03

IPv6 Gateway

IPv6 DNS Server

Top

- PC 2

PC2

Physical Config Desktop Programming Attributes

IP Configuration

IP Configuration

☒ DHCP ☐ Static

IP Address 192.168.123.4

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 /

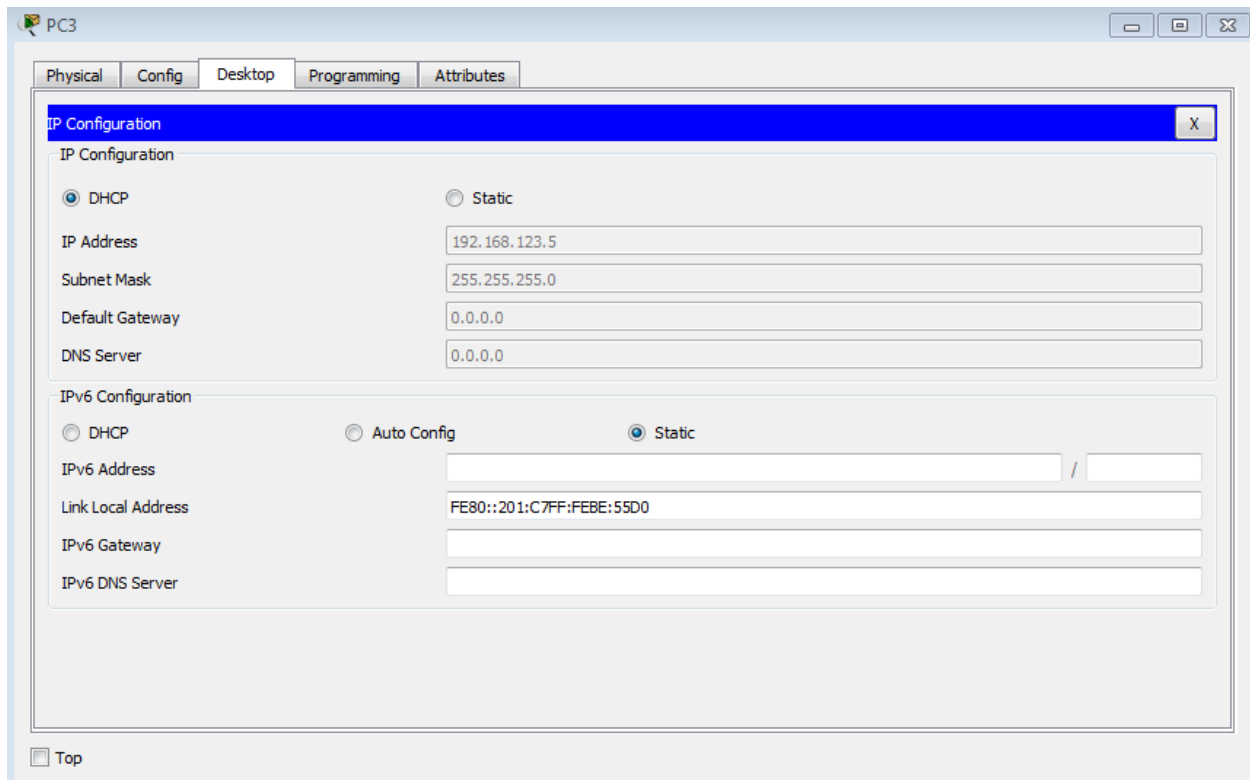
Link Local Address FE80::20A:F3FF:FE4A:DC49

IPv6 Gateway

IPv6 DNS Server

Top

- PC 3



- e. Melakukan ping ke semua pc yang terhubung dengan server DHCP.

- PC 0 ke PC 1

```
C:\>ping 192.168.123.3

Pinging 192.168.123.3 with 32 bytes of data:

Reply from 192.168.123.3: bytes=32 time=1ms TTL=128
Reply from 192.168.123.3: bytes=32 time=2ms TTL=128
Reply from 192.168.123.3: bytes=32 time<1ms TTL=128
Reply from 192.168.123.3: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.123.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 2ms, Average = 0ms
```

- PC 0 ke PC 2

```
C:\>ping 192.168.123.4

Pinging 192.168.123.4 with 32 bytes of data:

Reply from 192.168.123.4: bytes=32 time=1ms TTL=128
Reply from 192.168.123.4: bytes=32 time=1ms TTL=128
Reply from 192.168.123.4: bytes=32 time<1ms TTL=128
Reply from 192.168.123.4: bytes=32 time=1ms TTL=128

Ping statistics for 192.168.123.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms
```

- PC 0 ke PC 3

```
C:\>ping 192.168.123.5

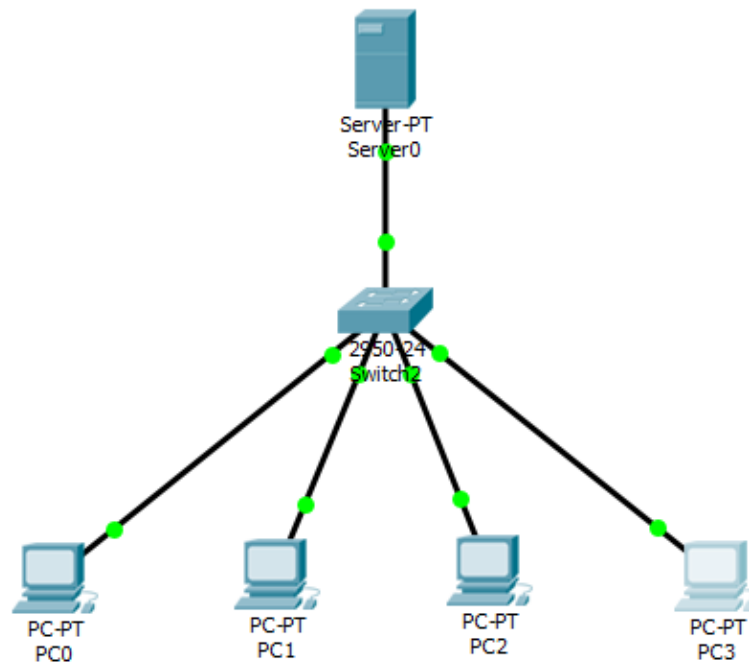
Pinging 192.168.123.5 with 32 bytes of data:

Reply from 192.168.123.5: bytes=32 time=1ms TTL=128
Reply from 192.168.123.5: bytes=32 time=1ms TTL=128
Reply from 192.168.123.5: bytes=32 time=1ms TTL=128
Reply from 192.168.123.5: bytes=32 time<1ms TTL=128

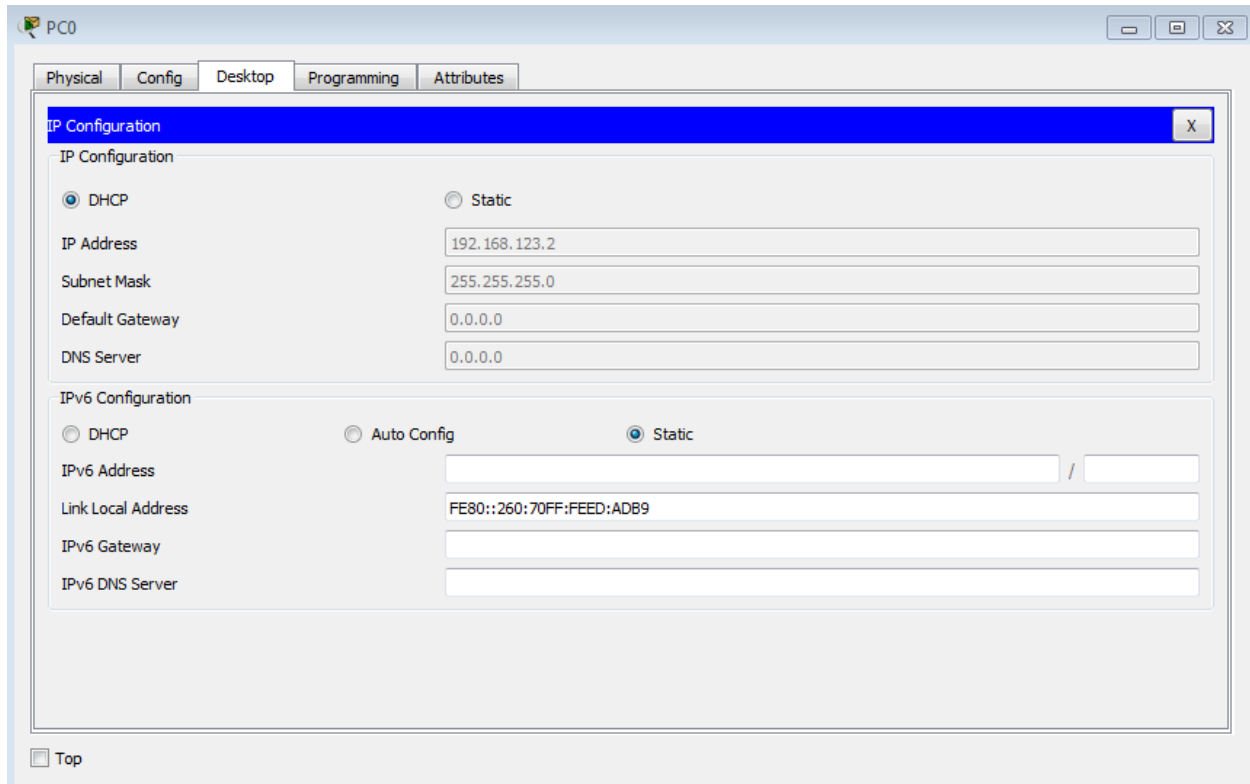
Ping statistics for 192.168.123.5:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms
```

2. Praktikum 2 Membuat Web Server.

- a. Gambar Rancangan DHCP Server.



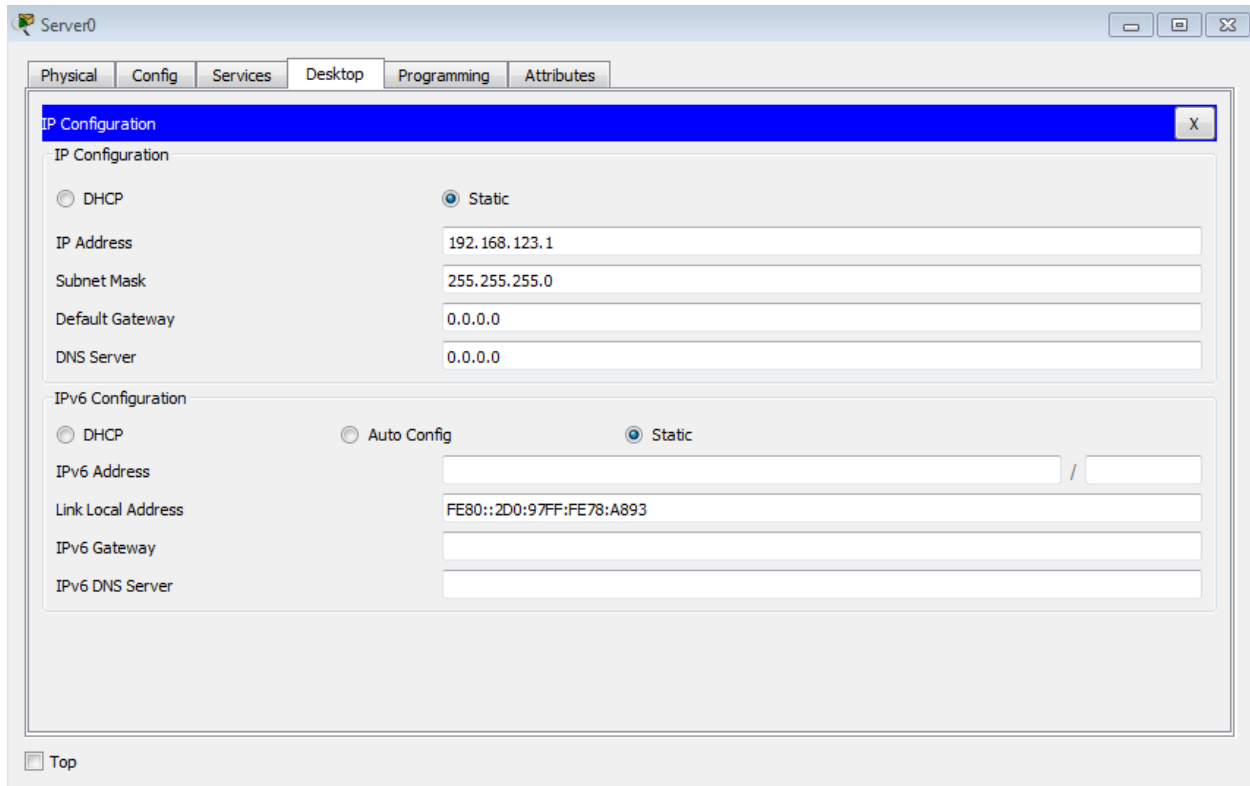
b. Melakukan konfigurasi IP Address pada PC 0.



The screenshot shows the 'IP Configuration' window for 'PC0'. The window has tabs for 'Physical', 'Config', 'Desktop', 'Programming', and 'Attributes'. The 'Config' tab is active. Inside the window, there are two sections: 'IP Configuration' and 'IPv6 Configuration'. In the 'IP Configuration' section, the 'DHCP' radio button is selected, and the 'Static' radio button is unselected. The fields for 'IP Address', 'Subnet Mask', 'Default Gateway', and 'DNS Server' are all empty. In the 'IPv6 Configuration' section, the 'DHCP' radio button is unselected, the 'Auto Config' radio button is unselected, and the 'Static' radio button is selected. The fields for 'IPv6 Address', 'Link Local Address', 'IPv6 Gateway', and 'IPv6 DNS Server' are all empty. A 'Top' button is located at the bottom left of the window.

Field	Value
IP Address	
Subnet Mask	
Default Gateway	
DNS Server	
IPv6 Address	
Link Local Address	
IPv6 Gateway	
IPv6 DNS Server	

c. Melakukan konfigurasi IP Address pada Server.



The screenshot shows the 'IP Configuration' window for 'Server0'. The window has tabs for 'Physical', 'Config', 'Services', 'Desktop', 'Programming', and 'Attributes'. The 'Config' tab is active. Inside the window, there are two sections: 'IP Configuration' and 'IPv6 Configuration'. In the 'IP Configuration' section, the 'DHCP' radio button is unselected, and the 'Static' radio button is selected. The fields for 'IP Address', 'Subnet Mask', 'Default Gateway', and 'DNS Server' are all empty. In the 'IPv6 Configuration' section, the 'DHCP' radio button is unselected, the 'Auto Config' radio button is unselected, and the 'Static' radio button is selected. The fields for 'IPv6 Address', 'Link Local Address', 'IPv6 Gateway', and 'IPv6 DNS Server' are all empty. A 'Top' button is located at the bottom left of the window.

Field	Value
IP Address	
Subnet Mask	
Default Gateway	
DNS Server	
IPv6 Address	
Link Local Address	
IPv6 Gateway	
IPv6 DNS Server	

- d. Memastikan radio butto service HTTP pada server On.

HTTP

HTTP

☒ On ☐ Off

HTTPS

☒ On ☐ Off

File Manager

	File Name	Edit	Delete
1	copyrights.html	(edit)	(delete)
2	cscoptlogo177x111.jpg		(delete)
3	helloworld.html	(edit)	(delete)
4	image.html	(edit)	(delete)
5	index.html	(edit)	(delete)

New File

Import

- e. Melakukan browsing HTTP.

