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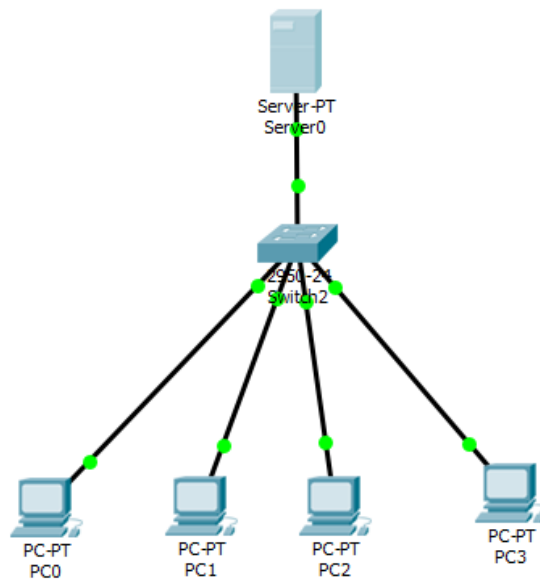
NIM : L200170146

Kelas : D

PRAKTIKUM JARKOM MODUL V

1. Praktikum 1

- Simulasi server DHCP dengan 5 buah workstation, 1 switch, dan 1 server seperti pada gambar di modul :



- Mengkonfigurasi Server0 dengan mengisi IP Address nya

Server0

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 0060.4707.BA53

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::260:47FF:FE07:BA53

Top

- Mengkonfigurasi DHCP server dan mengisi IP Address yang diberikan PC client

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

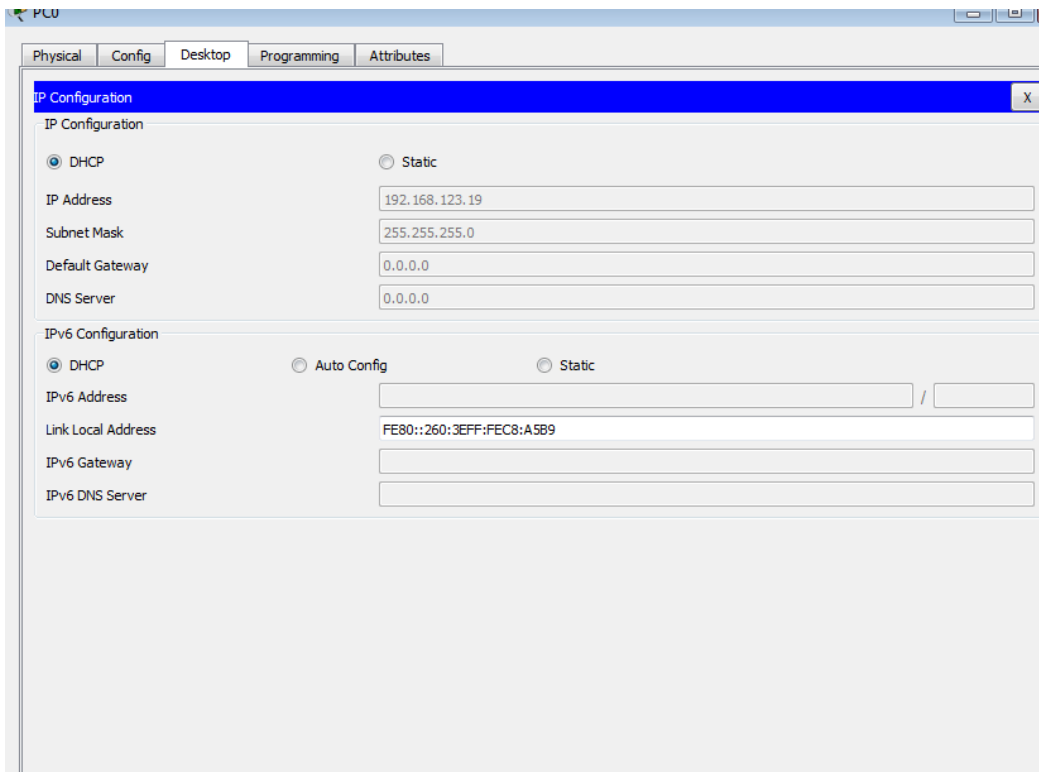
WLC Address: 0.0.0.0

Add Save Remove

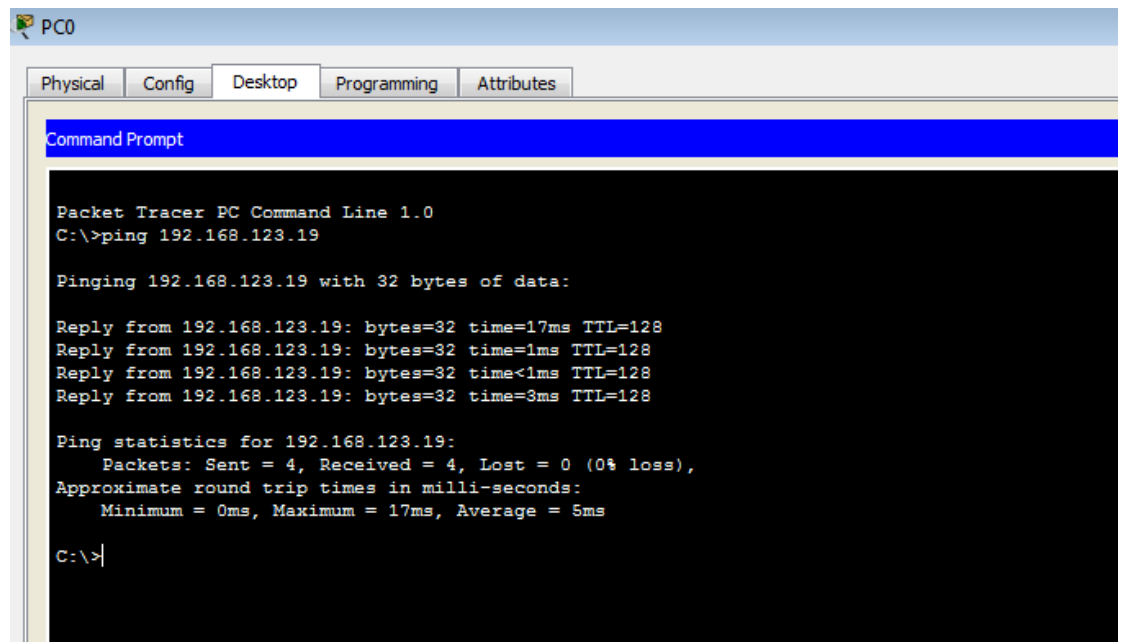
| Pool Name | Default Gateway | DNS Server | Start IP Address | Subnet Mask | Max User | TFTP Server | WLC Address |
|------------|-----------------|------------|------------------|---------------|----------|-------------|-------------|
| serverPool | 0.0.0.0 | 0.0.0.0 | 192.168.123... | 255.255.255.0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

Top

- Konfigurasi pada sisi client, pada PC0
- Memilih pilihan DHCP, dan dicek apakah IP Address sudah sesuai pada gambar di modul.



- Melakukan ping ke semua pc yang terhubung ke server



PC1

Physical Config Desktop Programming Attributes

Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.123.20

Pinging 192.168.123.20 with 32 bytes of data:

Reply from 192.168.123.20: bytes=32 time=7ms 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 = 7ms, Average = 2ms

C:\>|
```

PC2

Physical Config Desktop Programming Attributes

Command Prompt

```
Packet Tracer PC Command Line 1.0
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=2ms TTL=128
Reply from 192.168.123.21: bytes=32 time=2ms TTL=128
Reply from 192.168.123.21: bytes=32 time=1ms TTL=128
Reply from 192.168.123.21: bytes=32 time=3ms 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 = 1ms, Maximum = 3ms, Average = 2ms

C:\>|
```

PC3

Physical Config Desktop Programming Attributes

Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.123.22

Pinging 192.168.123.22 with 32 bytes of data:

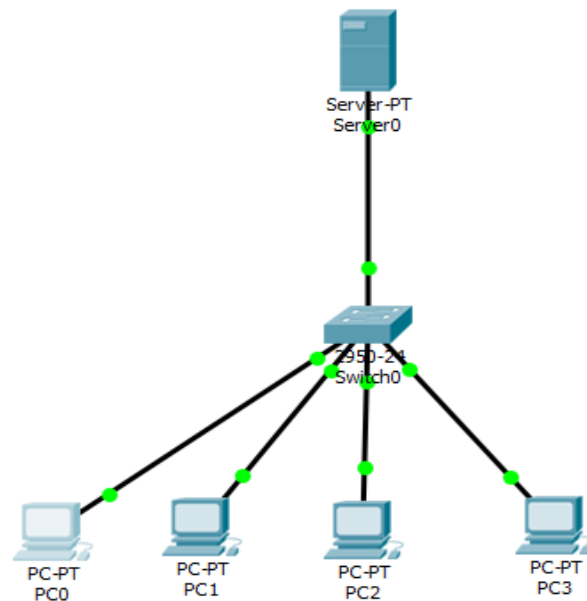
Reply from 192.168.123.22: bytes=32 time=10ms TTL=128
Reply from 192.168.123.22: bytes=32 time=2ms TTL=128
Reply from 192.168.123.22: bytes=32 time=1ms TTL=128
Reply from 192.168.123.22: bytes=32 time=2ms TTL=128

Ping statistics for 192.168.123.22:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 10ms, Average = 3ms

C:\>|
```

2. Praktikum 2

- Simulasi Server HTTP dengan 1 buah workstation dan 1 server seperti pada gambar di modul.



- Melakukan Konfigurasi IP Address pada PC 0 dan pada server 0 sesuai langkah praktikum sebelumnya.

The screenshot shows the 'Config' tab for 'Server0'. The left sidebar has 'INTERFACE' selected, with 'FastEthernet0' highlighted. The main area shows the configuration for 'FastEthernet0'.

FastEthernet0 Configuration:

- Port Status: ☒ On
- Bandwidth: ☒ 100 Mbps ☐ 10 Mbps ☒ Auto
- Duplex: ☐ Half Duplex ☒ Full Duplex ☒ Auto
- MAC Address: 0060.4707.BA53
- 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::260:47FF:FE07:BA53

Top

The screenshot shows the 'Services' tab for 'Server0'. The left sidebar has 'SERVICES' selected, with 'DHCP' highlighted. The main area shows the configuration for the DHCP service.

DHCP Configuration:

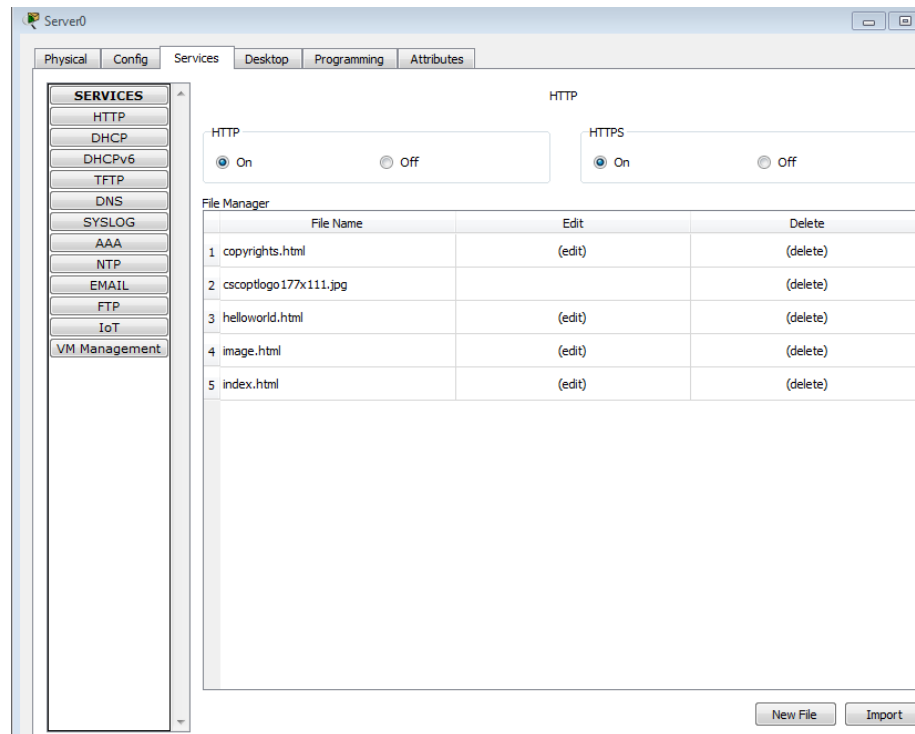
- Interface: FastEthernet0
- Service: ☒ On ☐ Off
- Pool Name: serverPool
- Default Gateway: 0.0.0.0
- DNS Server: 0.0.0.0
- Start IP Address: 192.168.123.19
- Subnet Mask: 255.255.255.0
- Maximum Number of Users: 5
- TFTP Server: 0.0.0.0
- WLC Address: 0.0.0.0

Buttons: 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

- Mengaktifkan HTTP pada server0 dengan klik radio button “On”



- Melakukan HTTP browsing di jendela PC0, dengan mengetikkan IP Address Server0 HTTP(192.168.123.1) di field URL.

