

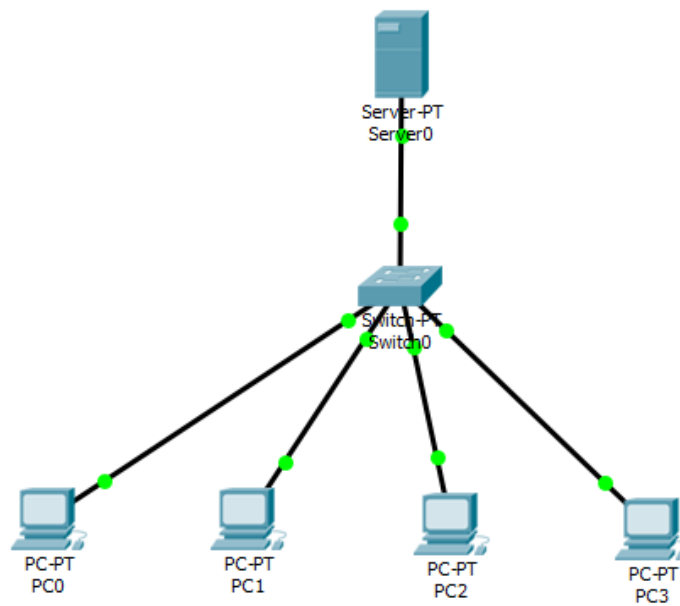
Nama : Arindita Prihastama
NIM : L200180058
Kelas : B

MODUL 5

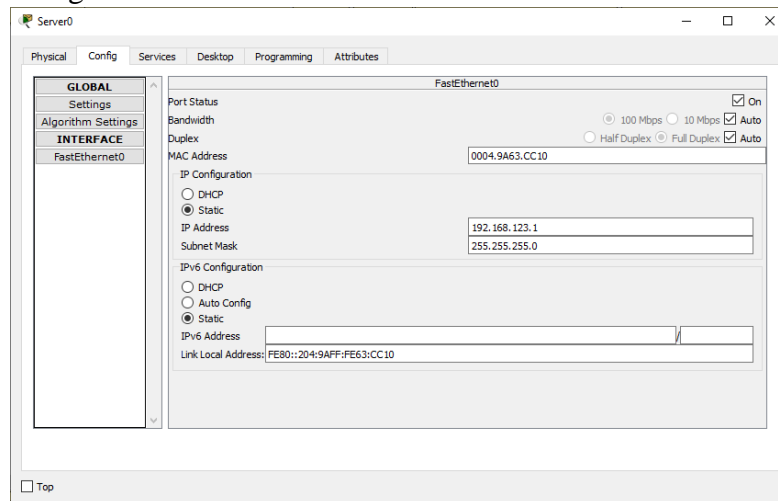
DHCP SERVER DAN WEB SERVER

Kegiatan Praktikum

1. Membuat DHCP Server



a. Mengatur IP Address Server



b. Mengkonfigurasi DHCP server

The screenshot shows the 'Services' tab for 'Server0'. The 'DHCP' service is selected in the left sidebar. The main configuration area is titled 'DHCP' and includes the following fields:

- Interface: FastEthernet0
- Service: ☒ On, ☐ Off
- Pool Name: serverPool
- Default Gateway: 0.0.0.0
- DNS Server: 0.0.0.0
- Start IP Address: 192.168.123.192
- 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. A table at the bottom lists the configured 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

- c. Mengkonfigurasi pada sisi client
- d. Pastikan radio button pada pilihan DHCP
- e. Setelah konfigurasi cek IP pada PC

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

- IP Configuration: ☒ DHCP, ☐ Static. A message 'DHCP request successful.' is displayed.
- IP Address: 192.168.123.19
- Subnet Mask: 255.255.255.0
- Default Gateway: 0.0.0.0
- DNS Server: 0.0.0.0

Below the IP Configuration section is the 'IPv6 Configuration' section, which has the following fields:

- IPv6 Configuration: ☐ DHCP, ☐ Auto Config, ☒ Static
- IPv6 Address: [Empty field] / [Empty field]
- Link Local Address: FE80::207:ECFF:FE5D:10D5
- IPv6 Gateway: [Empty field]
- IPv6 DNS Server: [Empty field]

- f. Ping ke semua PC yang terhubung



Physical Config Desktop Programming Attributes

Command Prompt

```
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=520ms 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 = 1ms, Maximum = 520ms, Average = 130ms

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=1ms 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
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 = 3ms, Average = 1ms

C:\>ping 192.168.123.22

Pinging 192.168.123.22 with 32 bytes of data:

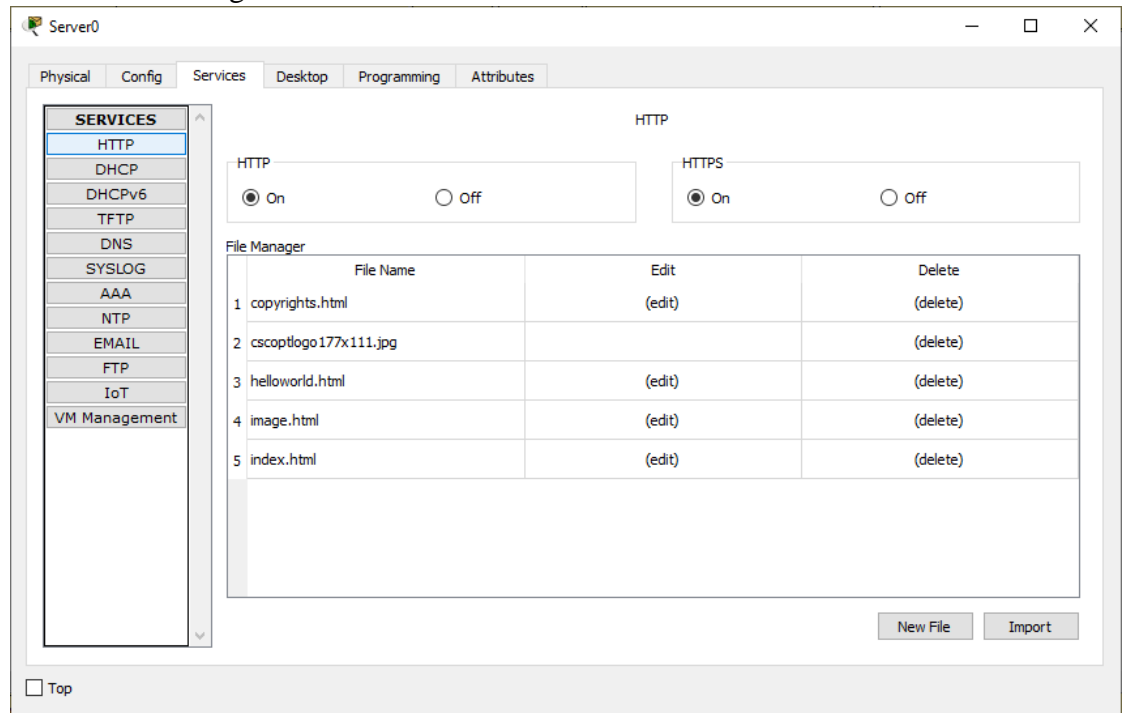
Reply from 192.168.123.22: bytes=32 time=1ms TTL=128
Reply from 192.168.123.22: bytes=32 time<1ms TTL=128
Reply from 192.168.123.22: bytes=32 time<1ms TTL=128
Reply from 192.168.123.22: bytes=32 time<1ms TTL=128

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
```

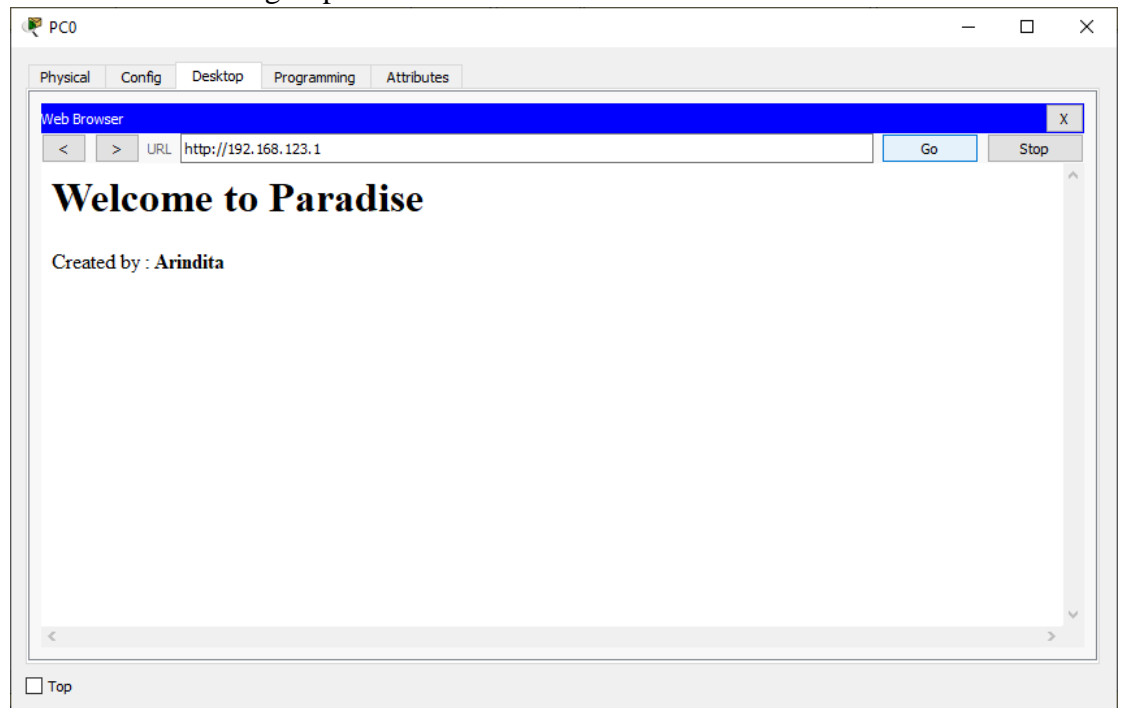
☐ Top

2. Membuat Web Server

a. Melakukan konfigurasi

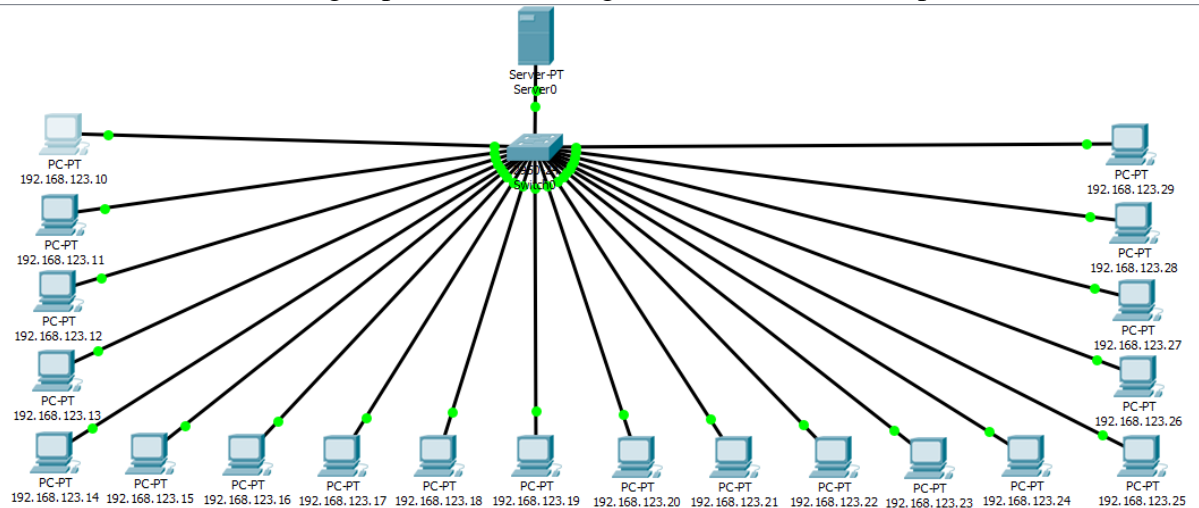


b. Melakukan browsing http



TUGAS

1. Membuat DHCP server dengan packet tracer dengan client terdiri dari 20 pc!



Ping beberapa PC

```
192.168.123.10

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=21ms 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 = 21ms, Average = 5ms

C:\>ping 192.168.123.16

Pinging 192.168.123.16 with 32 bytes of data:

Reply from 192.168.123.16: bytes=32 time=1ms TTL=128
Reply from 192.168.123.16: bytes=32 time=1ms TTL=128
Reply from 192.168.123.16: bytes=32 time=1ms TTL=128
Reply from 192.168.123.16: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.123.16:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
```

☐ Top

2. Membuat web server pada packet tracer, dengan mengubah tampilan pada web dengan isi : nama, nim, alamat, jurusan, jenis kelamin.

