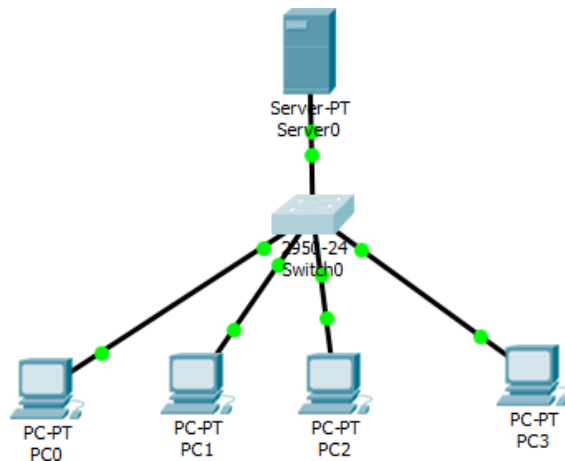


Nama : Fandhitya Giovani  
NIM : L200180118  
Kelas : C

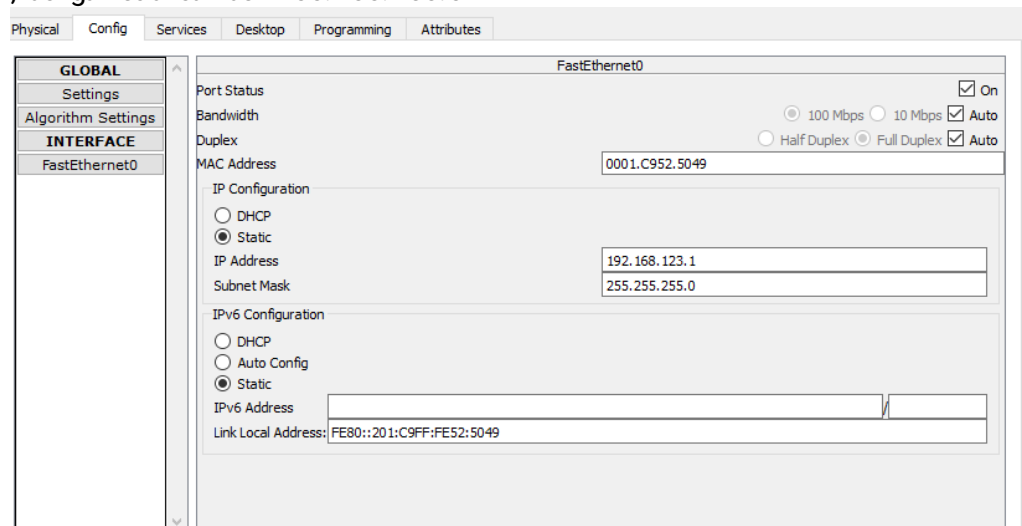
## Prak-Jarkom Mbdul 5

### Latihan

1. Praktikum 1 membuat DHCP Server



- ❖ Double-klik Server0. Pilih tab config. Pada menu interface, pilih fast-ethernet. Pada bagian ip configuration, isikan dengan ip address server, 192.168.123.1, dengan subnet mask 255.255.255.0



- ❖ Aktifkan dhcp isi start ip address 192.168.123.19 dan maximum number of user 5

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

- ❖ Pada sisi semua client masuk ip configuration, pastikan pada pilihan radio button pada pilihan DHCP

Physical Config Desktop Programming Attributes

**IP Configuration**

IP Configuration

☒ DHCP ☐ Static DHCP request successful.

IP Address: 192.168.123.19

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::209:7CFF:FEA4:7E2

IPv6 Gateway:

IPv6 DNS Server:

Physical Config Desktop Programming Attributes

**IP Configuration**

IP Configuration

☒ DHCP ☐ Static DHCP request successful.

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::201:43FF:FE80:69D6

IPv6 Gateway:

IPv6 DNS Server:

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::200:CFE:FE58:BA86

IPv6 Gateway:

IPv6 DNS Server:

Top

Physical Config Desktop Programming Attributes

IP Configuration

IP Configuration

☒ DHCP ☐ Static

IP Address: 192.168.123.22

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:FE83:7B96

IPv6 Gateway:

IPv6 DNS Server:

Top

❖ Lalu lakukan ping dengan server

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=13ms 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 = 13ms, Average = 3ms

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=1ms 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 = 1ms, Average = 0ms

C:\>ping 192.168.123.22

Pinging 192.168.123.22 with 32 bytes of data:

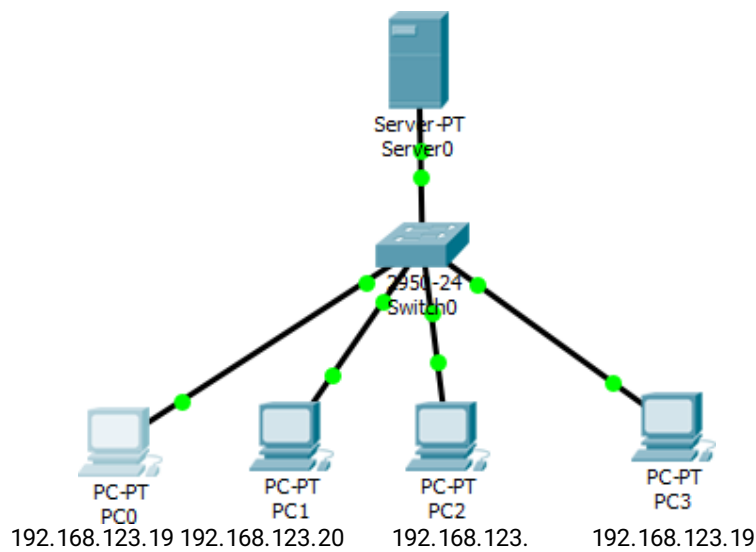
Reply from 192.168.123.22: bytes=32 time=1ms TTL=128
Reply from 192.168.123.22: bytes=32 time<1ms TTL=128
Reply from 192.168.123.22: bytes=32 time<1ms TTL=128
Reply from 192.168.123.22: bytes=32 time<1ms TTL=128

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

C:\>

```

## 2. Praktikum 2 membuat WEBServer



- ❖ Pastikan rancangan sudah tersetting seperti kegiatan satu
- ❖ Lalu masuk ke sever0 , config services pilih http. Pastikan radio button pada service http pada pilihan on

Physical   Config   **Services**   Desktop   Programming   Attributes

**SERVICES**

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management

**HTTP**

HTTP ☒ On ☐ Off      HTTPS ☒ On ☐ Off

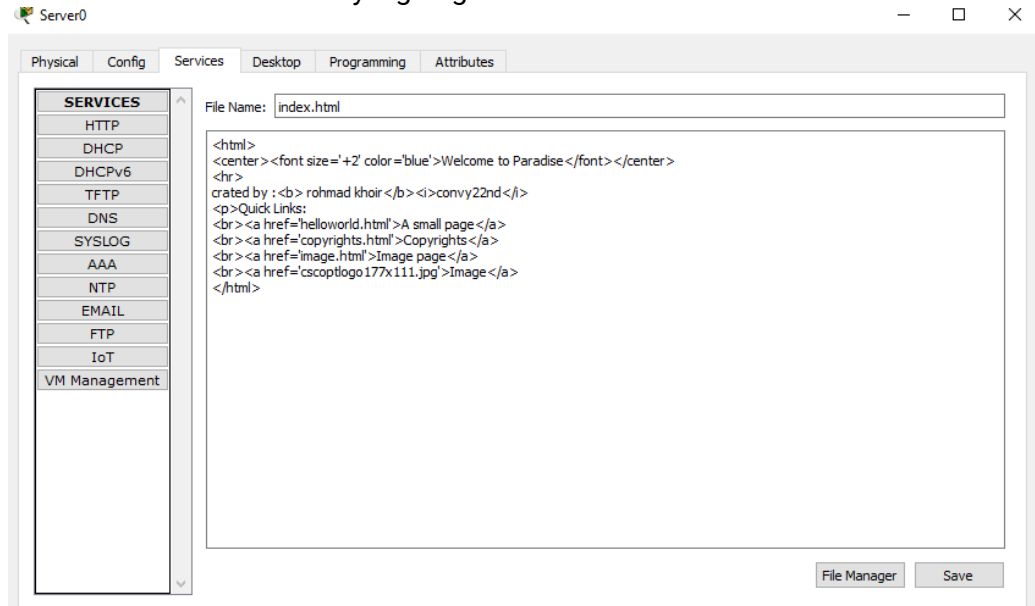
**File Manager**

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

New File   Import

☐ Top

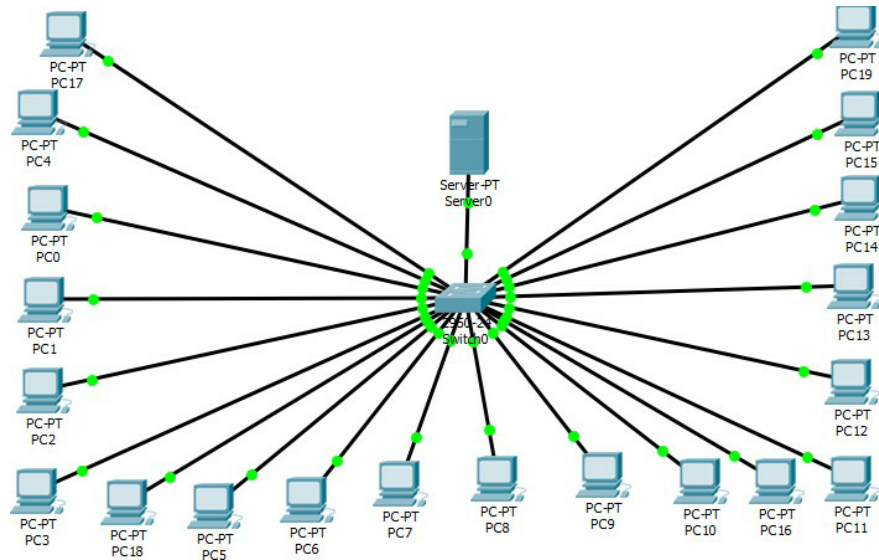
- ❖ Lalu rubah index.html sesuai yang diinginkan



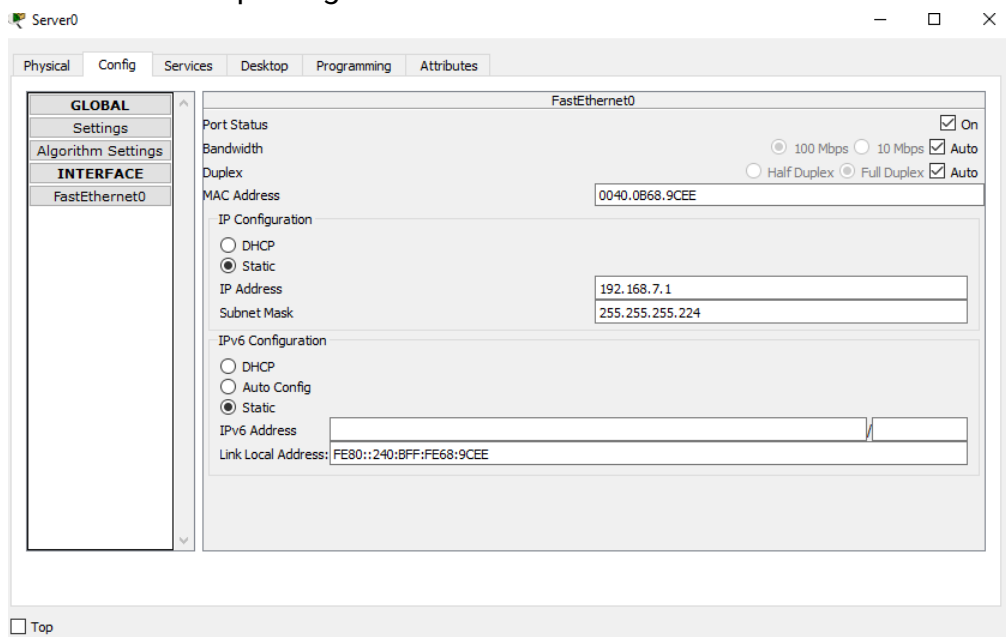
- ❖ Melakukan browsing http. Masuk pada pc0 . pilih tab desktop. Pada daftar menu pilih web browser . Ketikkan ip address 192.168.123.1 di field url

# Tugas

## 1. Rancangan DhcpServer



## 2. Lalu atur ip configserver0



### 3. Pastikan service dhcp

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: 192.168.7.0

Subnet Mask: 255.255.255.224

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	192.168.7.0	255.255.255.224	31	0.0.0.0	0.0.0.0

☐ Top

### 4. Pastikan ip config pada semua clientdhcp

Physical Config Desktop Programming Attributes

**IP Configuration**

IP Configuration

☒ DHCP ☐ Static

IP Address: 192.168.7.17

Subnet Mask: 255.255.255.224

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

**IPv6 Configuration**

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address: /

Link Local Address: FE80::202:16FF:FE02:47E9

IPv6 Gateway:

IPv6 DNS Server:

### 5. Tes ping pada pc setiap pc, pastikan tidak rto

Physical Config Desktop Programming Attributes

**Command Prompt**

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.7.19

Pinging 192.168.7.19 with 32 bytes of data:

Reply from 192.168.7.19: bytes=32 time=2ms TTL=128
Reply from 192.168.7.19: bytes=32 time<1ms TTL=128
Reply from 192.168.7.19: bytes=32 time<1ms TTL=128
Reply from 192.168.7.19: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.7.19:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 2ms, Average = 0ms

C:\>|
```

6. Masukkserver0, servicehttppastikanon, lalueditindex.html menj adi seperti gambar dibawah ini lalu save
7. lakukan browsing http. Masuk pada pc0 . pilih tab desktop. Pada daftar menu pilih web browser. Ketikkan ip addres 192.168.7.1 di fieldurl