

Nama : Riyan Sutantio Bangkit Nugroho

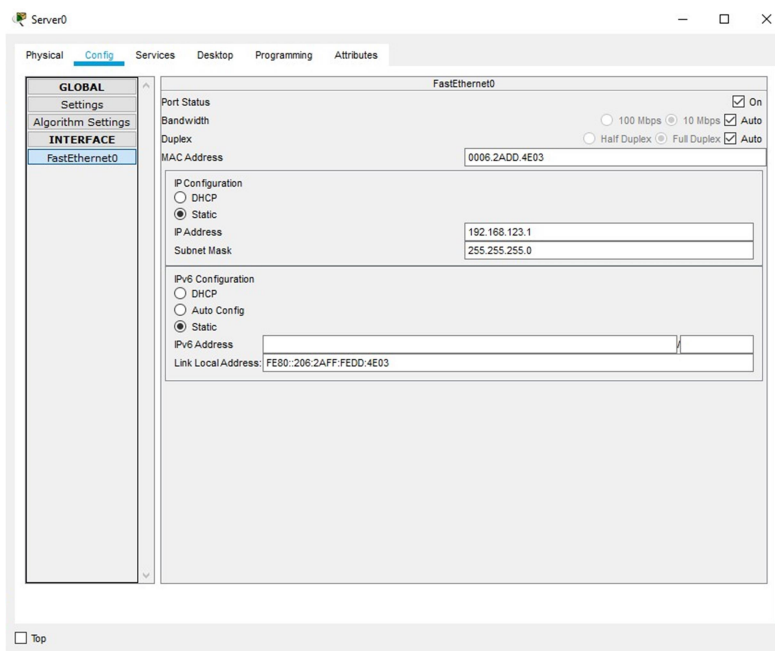
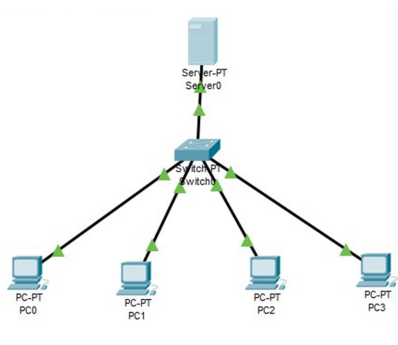
NIM : L200180180

Modul 5

Praktikum Jaringan Komputer

A. Kegiatan 1

1. Konfig server



2. Konfigurasi DHCP server

The screenshot shows the DHCP configuration window for 'Server0'. The 'Services' tab is active, and the 'DHCP' service is selected in the left sidebar. The configuration fields are as follows:

- 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

Below the fields are 'Add', 'Save', and 'Remove' buttons. A table at the bottom lists the configured pool:

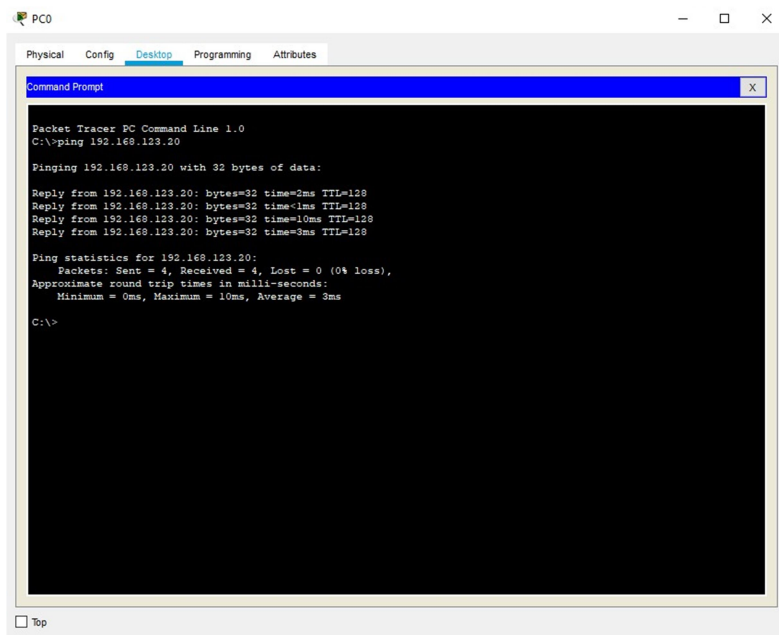
Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	0.0.0.0	0.0.0.0	192.168.123.19	255.255.255.0	5	0.0.0.0	0.0.0.0

3. Konfigurasi PC

The screenshot shows the PC configuration window for 'PC0'. The 'Desktop' tab is active, and the 'IP Configuration' window is open. The configuration is as follows:

- Interface: FastEthernet0
- IP Configuration: ☒ DHCP, ☐ Static
- 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: (empty)
- Link Local Address: FE80::209:7CFF:FE33:E6D4
- IPv6 Gateway: (empty)
- IPv6 DNS Server: (empty)
- 802.1X: ☐ Use 802.1X Security
- Authentication: MD5
- Username: (empty)
- Password: (empty)

4. Hasil ping PC0 ke PC1



The screenshot shows a Packet Tracer PC window for PC0. The 'Desktop' tab is active, displaying a Command Prompt window. The Command Prompt shows the execution of a ping command to 192.168.123.20. The output indicates that the ping was successful with 4 packets sent, 4 received, and 0% loss. The approximate round trip times in milliseconds are: Minimum = 0ms, Maximum = 10ms, Average = 3ms.

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

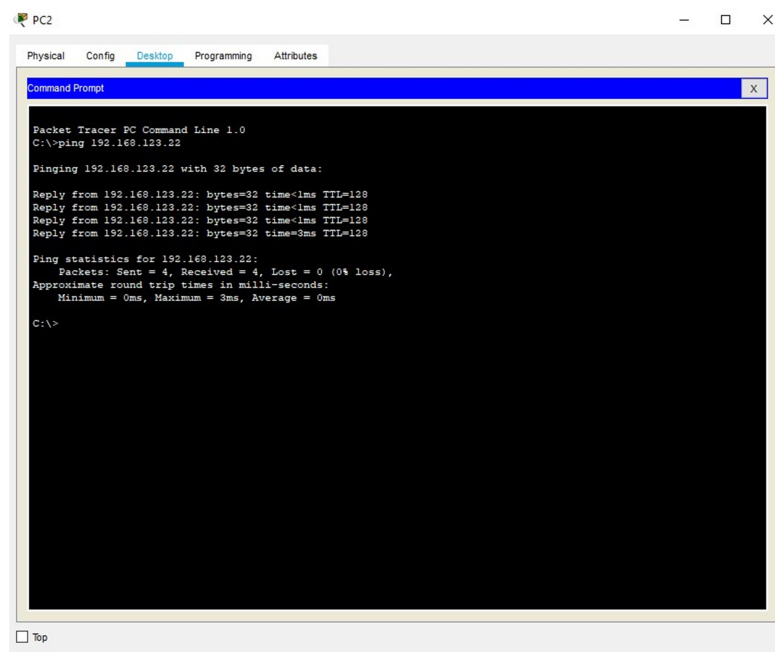
Pinging 192.168.123.20 with 32 bytes of data:

Reply from 192.168.123.20: bytes=32 time=2ms TTL=128
Reply from 192.168.123.20: bytes=32 time<1ms TTL=128
Reply from 192.168.123.20: bytes=32 time=10ms TTL=128
Reply from 192.168.123.20: bytes=32 time=3ms 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 = 10ms, Average = 3ms

C:\>
```

5. Hasil ping PC1 ke PC2



The screenshot shows a Packet Tracer PC window for PC2. The 'Desktop' tab is active, displaying a Command Prompt window. The Command Prompt shows the execution of a ping command to 192.168.123.22. The output indicates that the ping was successful with 4 packets sent, 4 received, and 0% loss. The approximate round trip times in milliseconds are: Minimum = 0ms, Maximum = 3ms, Average = 0ms.

```
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<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=3ms 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 = 3ms, Average = 0ms

C:\>
```

B. Kegiatan 2

1. Konfigurasi ip server0

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'. The 'Port Status' is 'On'. 'Bandwidth' is set to '10 Mbps' and 'Auto'. 'Duplex' is set to 'Full Duplex' and 'Auto'. The 'MAC Address' is '00D0.FFD6.2141'. Under 'IP Configuration', 'Static' is selected. The 'IP Address' is '192.168.123.1' and the 'Subnet Mask' is '255.255.255.0'. Under 'IPv6 Configuration', 'Static' is selected. The 'IPv6 Address' is empty, and the 'Link Local Address' is 'FE80::2D0:FFFF:FED6:2141'.

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 00D0.FFD6.2141

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::2D0:FFFF:FED6:2141

☐ Top

2. Konfigurasi HTTP server

The screenshot shows the 'Services' tab for 'Server0'. The left sidebar has 'SERVICES' selected, with 'HTTP' highlighted. The main area shows the configuration for 'HTTP' and 'HTTPS'. Both are set to 'On'. Below, there is a 'File Manager' table with 5 files: 'copyrights.html', 'cacoptlogo177x111.jpg', 'helloworld.html', 'image.html', and 'index.html'. Each file has 'edit' and 'delete' buttons. At the bottom right, there are 'New File' and 'Import' buttons.

Physical Config **Services** Desktop Programming Attributes

SERVICES
HTTP
DHCP
DHCPv6
TFTP
DNS
SYSLOG
AAA
NTP
EMAIL
FTP
IoT
VM Management
Radius EAP

HTTP

HTTP ☒ On ☐ Off
HTTPS ☒ On ☐ Off

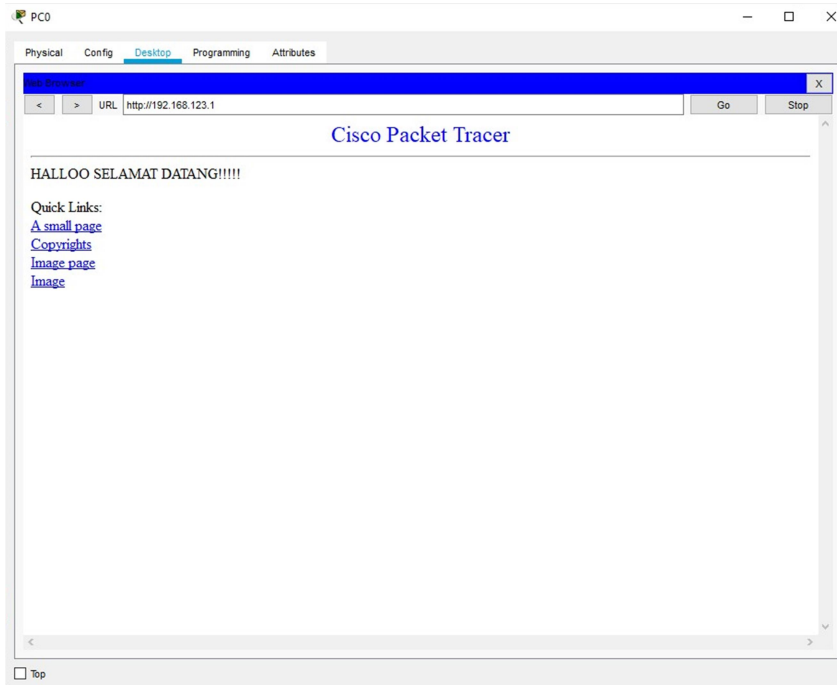
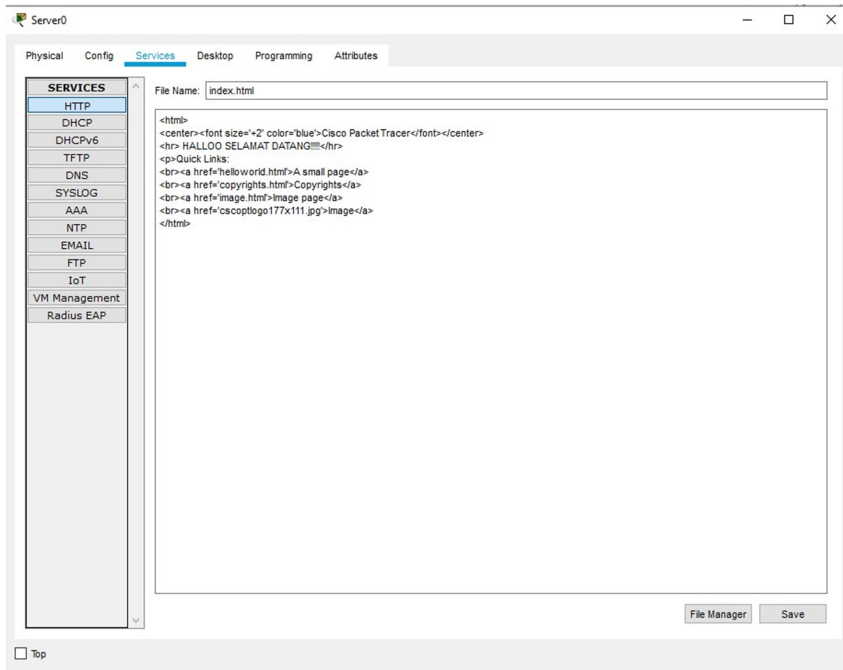
File Manager

	File Name	Edit	Delete
1	copyrights.html	(edit)	(delete)
2	cacoptlogo177x111.jpg		(delete)
3	helloworld.html	(edit)	(delete)
4	image.html	(edit)	(delete)
5	index.html	(edit)	(delete)

☐ Top

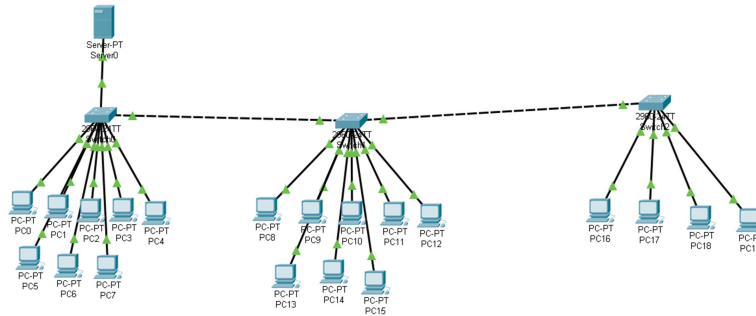
New File Import

3. Mengubah script HTML



C. TUGAS

1.DHCP server dengan 20 pc



2.Contoh Hasil ping pc 4 ke pc 8

The screenshot shows the configuration of PC4 and the results of a ping command. On the left, the 'FastEthernet0' interface is configured with IP address 169.254.172.155 and subnet mask 255.255.0.0. On the right, the 'Command Prompt' window shows the execution of the command 'C:\>ping 169.254.172.155', which successfully pings the destination IP address.

```
Packet Tracer PC Command Line 1.0
C:\>ping 169.254.172.155

Pinging 169.254.172.155 with 32 bytes of data:

Reply from 169.254.172.155: bytes=32 time=2ms TTL=128
Reply from 169.254.172.155: bytes=32 time<1ms TTL=128
Reply from 169.254.172.155: bytes=32 time=2ms TTL=128
Reply from 169.254.172.155: bytes=32 time<1ms TTL=128

Ping statistics for 169.254.172.155:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 2ms, Average = 1ms

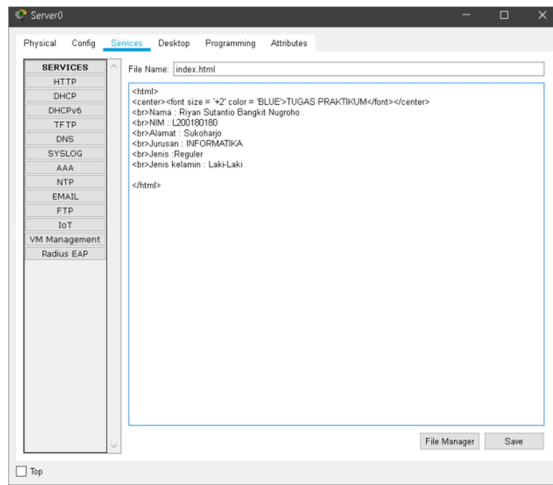
C:\>
```

The screenshot shows the DHCP configuration window for Server0. The 'DHCP' service is enabled. The 'Pool Name' is 'serverPool'. The 'Start IP Address' is 192.168.123.0 and the 'Subnet Mask' is 255.255.255.0. The 'Maximum Number of Users' is 255. The 'TFTP Server' and 'WLC Address' are both 0.0.0.0.

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

1. Buat web server dengan tampilan

tertentu Mengubah script HTML



Hasil

