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MODUL 5

PRAKTIKUM 1 MEMBUAT DHCP SERVER

The top screenshot shows a network diagram in Cisco Packet Tracer. A central switch is connected to five PCs (PC0-PC4) and a server (Server-PT Server0). The server is connected to the switch. The right pane shows the configuration for the server's FastEthernet0 interface.

Server0 Configuration (FastEthernet0):

- Port Status: ☒ On
- Bandwidth: ☒ 100 Mbps ☐ 10 Mbps ☒ Auto
- Duplex: ☐ Half Duplex ☒ Full Duplex ☒ Auto
- MAC Address: 0005.5E02.8B9B
- IP Configuration: ☒ DHCP ☐ Static
- IP Address: 192.168.123.1
- Subnet Mask: 255.255.255.0
- IPv6 Configuration: ☐ DHCP ☐ Auto Config ☒ Static
- IPv6 Address: [Empty]
- Link Local Address: FE80::205:5EFF:FE82:8B9B

The bottom screenshot shows the same network diagram as the top one. The right pane shows the configuration for the server's DHCP service.

Server0 Configuration (Services):

- SERVICES: ☒ HTTP ☒ DHCP ☐ DHCPv6 ☐ TFTP ☐ DNS ☐ SYSLOG ☐ AAA ☐ NTP ☐ EMAIL ☐ FTP ☐ IoT ☐ VM Management ☐ Radius EAP
- 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
- Table:

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

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 369, y: 12

Server-PT Server0

2950 Switch

PC-PT PC0

PC-PT PC1

PC-PT PC2

PC-PT PC3

PC-PT PC4

PC0

Physical Config Desktop Programming Attributes

GLOBAL Settings

Algorithm Settings

INTERFACE

FastEthernet0

Bluetooth

Port Status

Bandwidth

Duplex

MAC Address

IP Configuration

DHCP

Static

IP Address

Subnet Mask

IPv6 Configuration

DHCP

Auto Config

Static

IPv6 Address

Link Local Address: FE80::230:F2DD:687

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Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 1170, y: 50

Server-PT Server0

2950 Switch

PC-PT PC0

PC-PT PC1

PC-PT PC2

PC-PT PC3

PC-PT PC4

PC0

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=4ms 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 = 4ms, Average = 1ms

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),
```

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Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 785, y: 446

Server-PT Server0

2950 Switch

PC-PT PC0

PC-PT PC1

PC-PT PC2

PC-PT PC3

PC-PT PC4

PC0

Physical Config Desktop Programming Attributes

Command Prompt

```
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

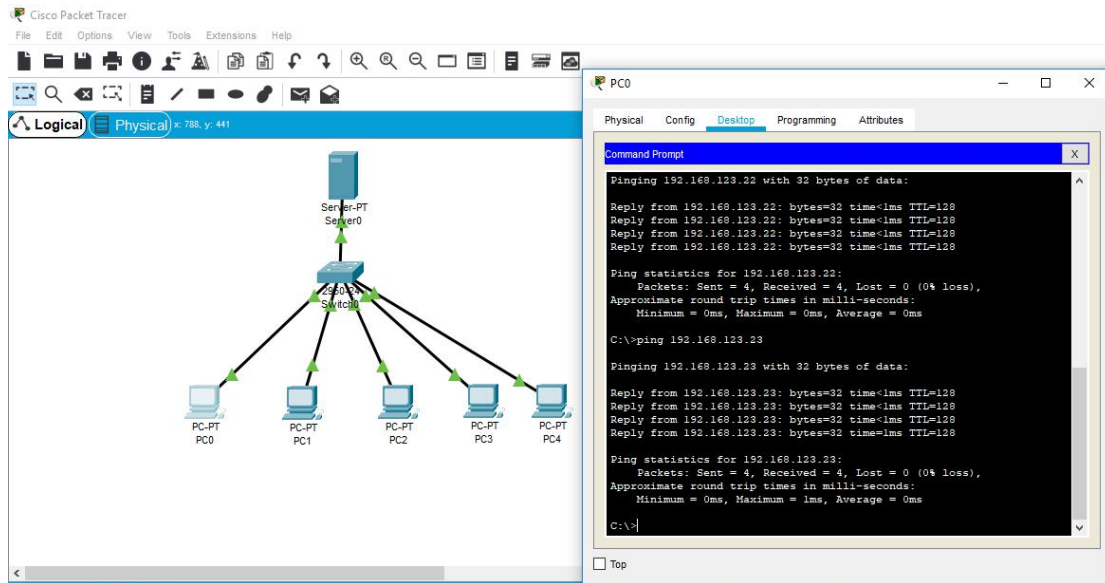
Ping statistics for 192.168.123.22:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.168.123.23

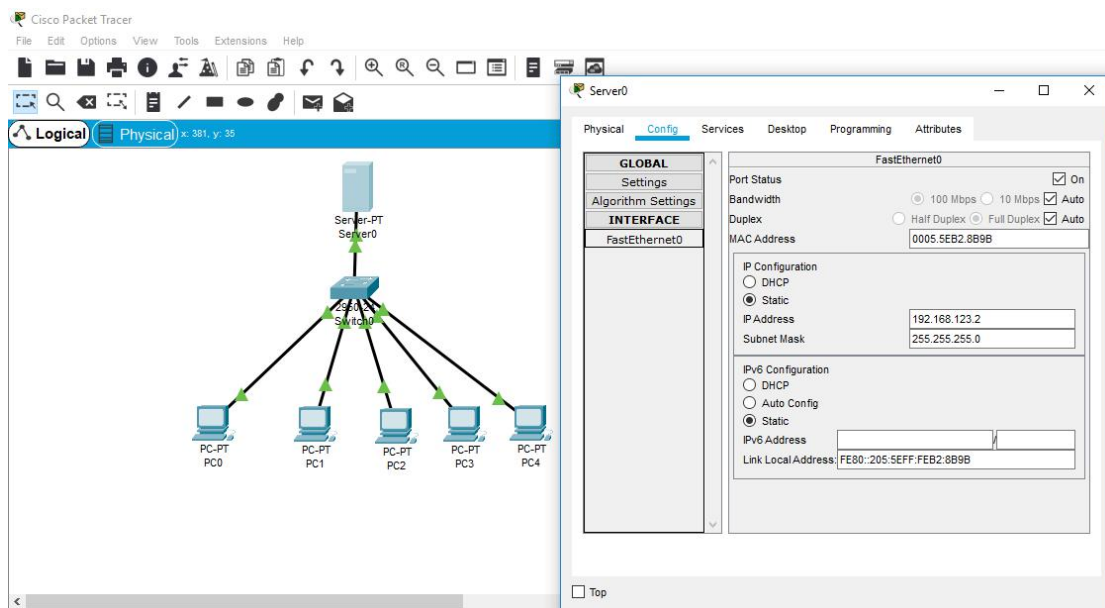
Pinging 192.168.123.23 with 32 bytes of data:

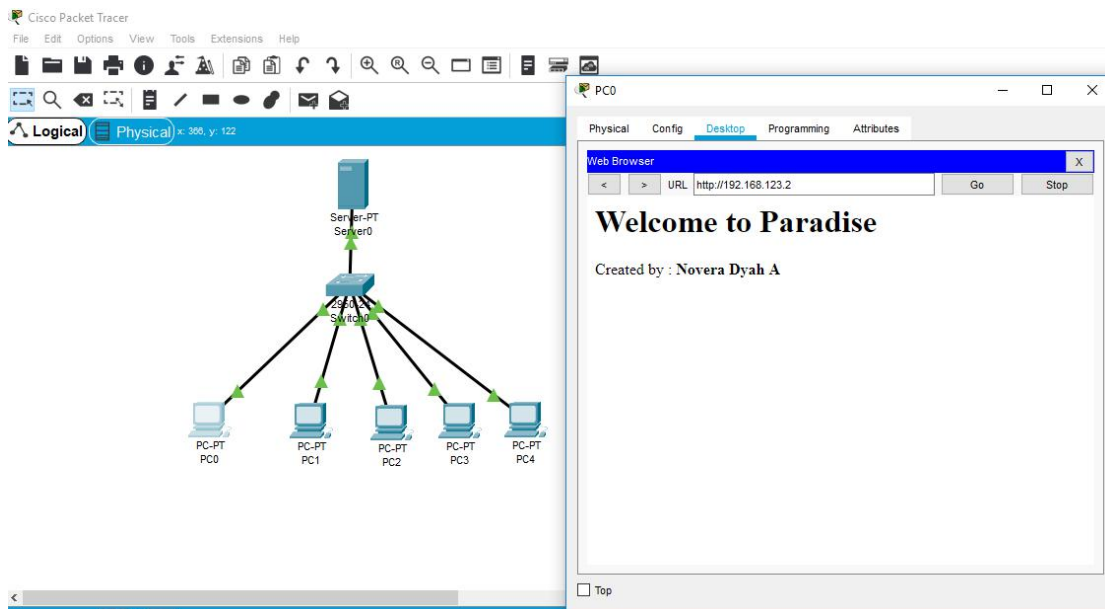
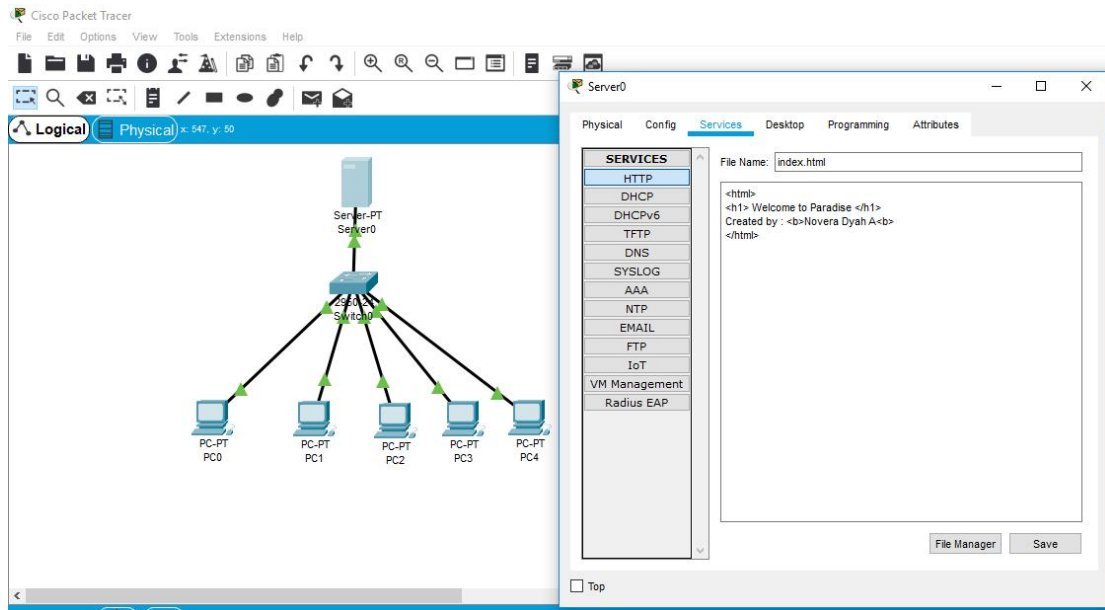
Reply from 192.168.123.23: bytes=32 time<1ms TTL=128
Reply from 192.168.123.23: bytes=32 time<1ms TTL=128
Reply from 192.168.123.23: bytes=32 time<1ms TTL=128
Reply from 192.168.123.23: bytes=32 time<1ms TTL=128
```

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PRAKTIKUM 2 MEMBUAT WEB SERVER





TUGAS

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x 381, y 18

PC Configuration

Interface: FastEthernet0

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:BAFF:FEC3:75B8

IPv6 Gateway:

IPv6 DNS Server:

802.1X

☐ Use 802.1X Security

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Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x 590, y 436

PC0

Physical Config Desktop Programming Attributes

Command Prompt

```
C:\>ping 192.168.123.23

Pinging 192.168.123.23 with 32 bytes of data:

Reply from 192.168.123.23: bytes=32 time<1ms TTL=128
Reply from 192.168.123.23: bytes=32 time<1ms TTL=128
Reply from 192.168.123.23: bytes=32 time<1ms TTL=128
Reply from 192.168.123.23: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.123.23:
    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=21ms 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 = 21ms, Average = 5ms
```

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Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x 716, y 300

Server0

Physical Config Services Desktop Programming Attributes

SERVICES

File Name: index.html

```
<html>
<h1> Welcome to Paradise </h1>
<b> Nama : Novera Dyah Ayuningtyas </b>
<br><b> NIM : L200180026 </b>
<br><b> Alamat : Batang </b>
<br><b> Jurusan : Informatika </b>
<br><b> Jenis : Reguler</b>
<br><b> Jenis Kelamin : Perempuan </b>
</html>
```

File Manager Save

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