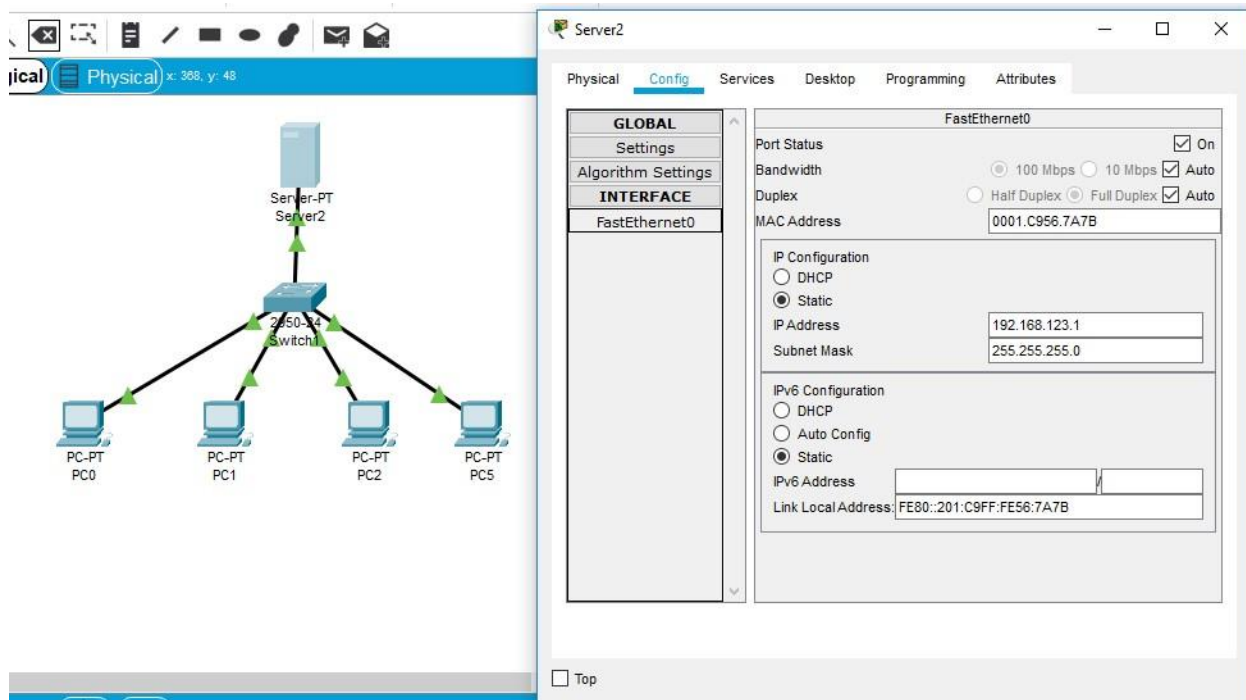


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MODUL 5

Praktikum 1 Membuat DHCP Server

a. Konfigurasi pada server



b. Konfigurasi dhcp pada server

Physical x: 368, y: 48

Server2

Physical Config **Services** Desktop Programming Attributes

SERVICES

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

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	192.168.123.19	255.255.255.0	5	0.0.0.0	0.0.0.0

c. Konfigurasi pada sisi client

Physical x: 26, y: 3

PC0

Physical Config **Desktop** Programming Attributes

IP Configuration

Interface: FastEthernet0

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::20D:BDF:FEC2:573E

IPv6 Gateway:

IPv6 DNS Server:

802.1X

☐ Use 802.1X Security

Physical x: 74, y: 40

Server-PT Server2

2550-34 Switch

PC-PT PC0

PC-PT PC1

PC-PT PC2

PC-PT PC5

PC1

Physical Config Desktop Programming Attributes

IP Configuration X

Interface FastEthernet0

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::206:2AFF:FED9:827

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Top

Physical x: 110, y: 22

Server-PT Server2

2550-34 Switch

PC-PT PC0

PC-PT PC1

PC-PT PC2

PC-PT PC5

PC2

Physical Config Desktop Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static DHCP request successful.

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::20C:CFFF:FE40:3ED6

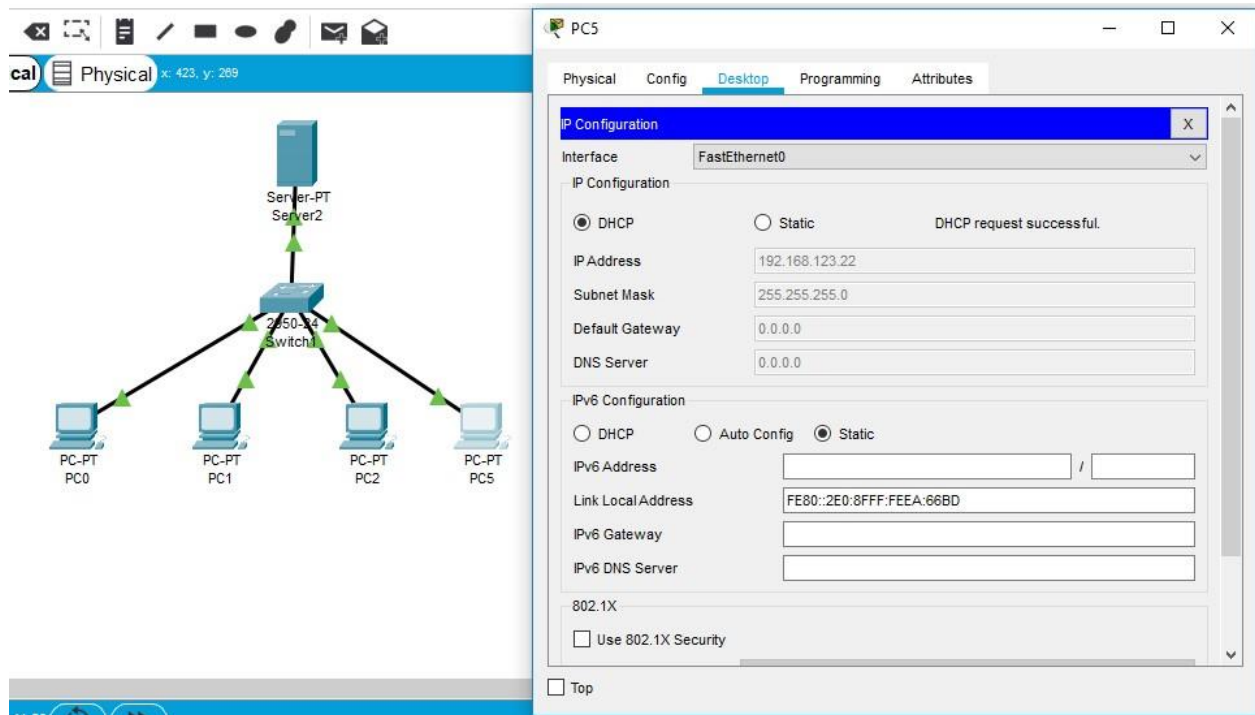
IPv6 Gateway

IPv6 DNS Server

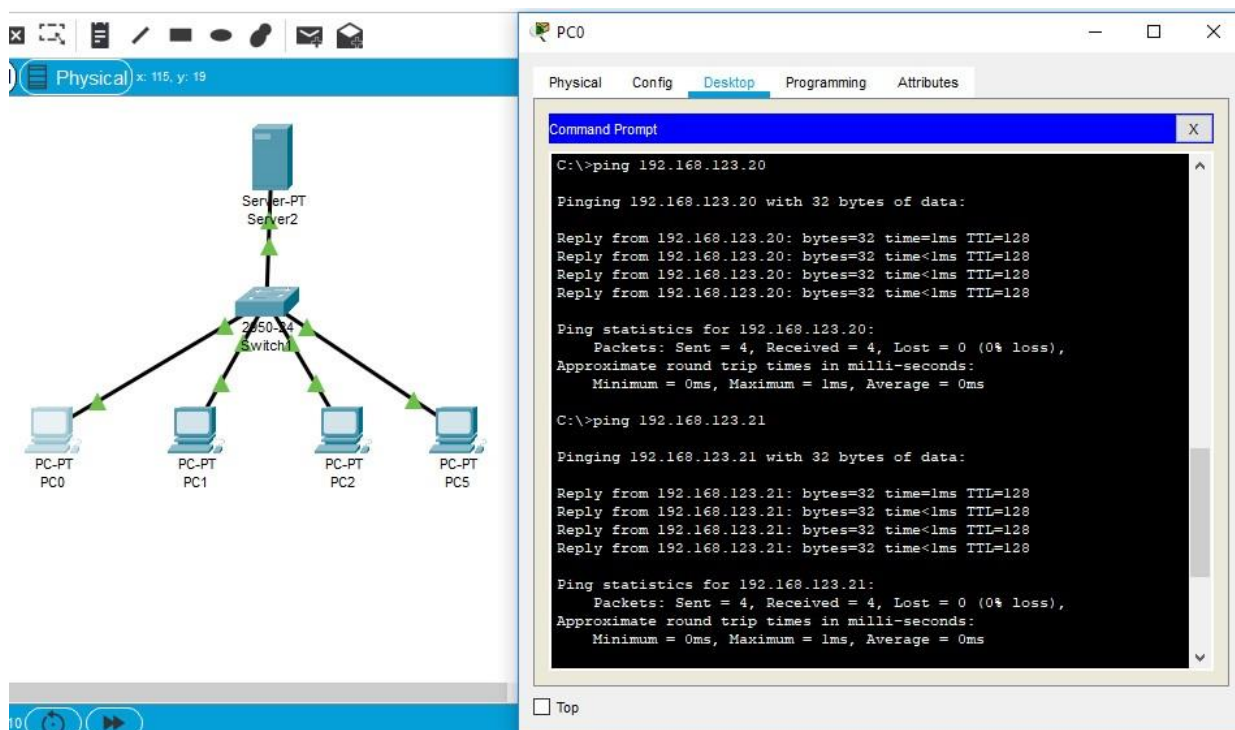
802.1X

☐ Use 802.1X Security

Top



d. Melakukan ping ke semua



The screenshot displays a network simulation interface. On the left, a physical topology diagram shows a central 2950-24 Switch connected to a Server-PT (Server2) and four PC-PT devices (PC0, PC1, PC2, PC5). On the right, a window titled 'PC0' shows the 'Desktop' tab with a Command Prompt. The Command Prompt displays the results of a ping command to 192.168.123.21 and 192.168.123.22, both showing 100% success with 0ms round trip times.

```

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 = 0ms, Average = 0ms

C:\>

```

Praktikum 2 Membuat Web Server

a. Konfigurasi pada server

The screenshot displays a network simulation interface. On the left, a physical topology diagram shows a central 2950-24 Switch connected to a Server-PT (Server1) and four PC-PT devices (PC4, PC5, PC6, PC7). On the right, a window titled 'Server1' shows the 'Desktop' tab with the 'IP Configuration' window open. The IP Configuration window shows the following settings:

- IP Configuration:**
 - ☐ DHCP ☒ Static
 - IP Address: 192.168.123.1
 - 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] / [Empty]
 - Link Local Address: FE80::260:3EFF:FE74:A31D
 - IPv6 Gateway: [Empty]
 - IPv6 DNS Server: [Empty]
- 802.1X:**
 - ☐ Use 802.1X Security
 - Authentication: MD5

b. Membuat halaman homepage

The screenshot shows a network topology in Cisco Packet Tracer. A central switch, labeled '2950-24 Switch2', is connected to a 'Server-PT Server1' at the top and four 'PC-PT' devices (PC4, PC5, PC6, PC7) at the bottom. The 'Server1' window is open, showing the 'Services' tab. The 'File Name' is 'index.html'. The HTML content is as follows:

```
<html>
<center><font size="+2" color="blue">Cisco Packet Tracer</font></center>
<hr>Welcome to Paradise
<hr> ISMI DZIKRINA
<p>Quick Links:
<br><a href="helloworld.html">A small page</a>
<br><a href="copyrights.html">Copyrights</a>
<br><a href="image.html">Image page</a>
<br><a href="cscoptlogo177x111.jpg">Image</a>
</html>
```

C. konfigurasi pada client

The screenshot shows the same network topology as before. The 'PC4' window is open, showing the 'Desktop' tab. The 'IP Configuration' window is open, showing the 'FastEthernet0' interface. The configuration is as follows:

IP Configuration	
Interface	FastEthernet0
IP Configuration	<input type="radio"/> DHCP <input checked="" type="radio"/> Static
IP Address	192.168.123.19
Subnet Mask	255.255.255.0
Default Gateway	192.168.123.1
DNS Server	0.0.0.0

IPv6 Configuration	
IPv6 Configuration	<input type="radio"/> DHCP <input type="radio"/> Auto Config <input checked="" type="radio"/> Static
IPv6 Address	<input type="text"/> / <input type="text"/>
Link Local Address	FE80::201:97FF:FEE8:3430
IPv6 Gateway	<input type="text"/>
IPv6 DNS Server	<input type="text"/>

802.1X

☐ Use 802.1X Security

c. Melakukan browsing

