

Praktikum Jaringan Komputer Modul 5

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Kelas : A

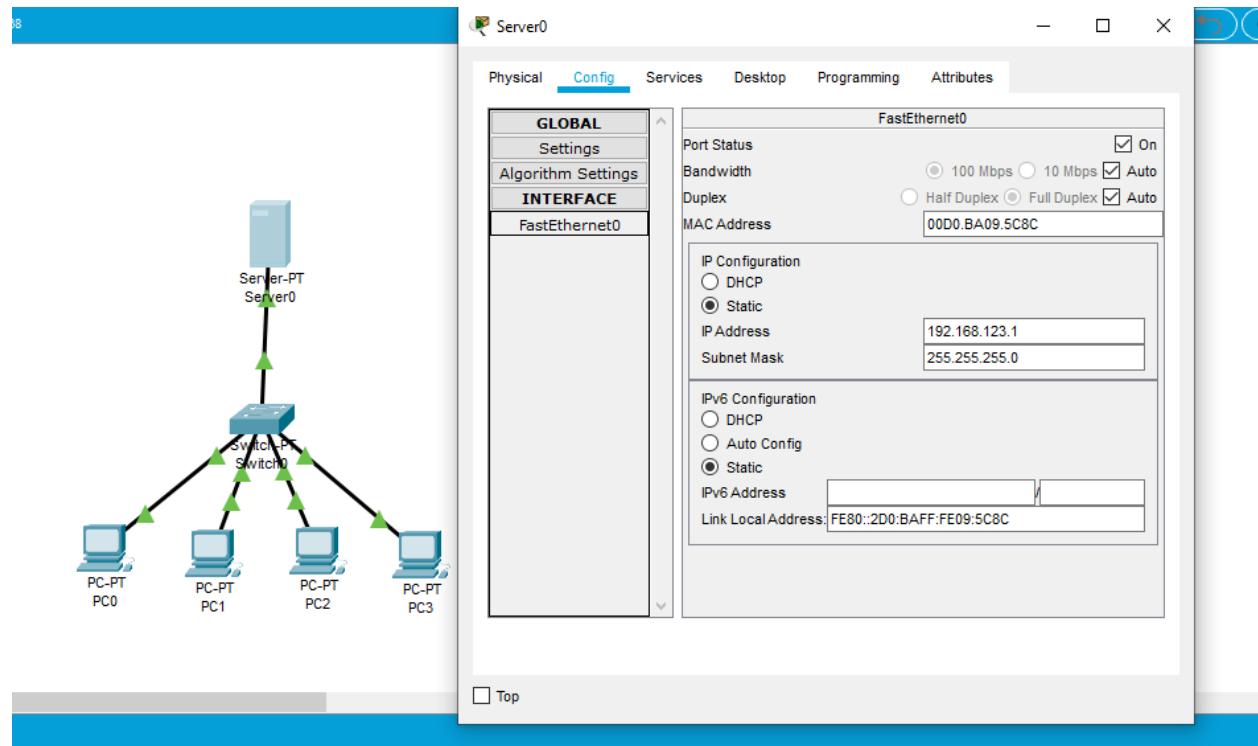
Kegiatan Praktikum

A. DHCP Server

Server = 192.168.123.1/24
DHCP = ON
Start IP = 192.168.123.19
User Max = 5
Range IP = 192.168.123.19 – 192.168.123.23

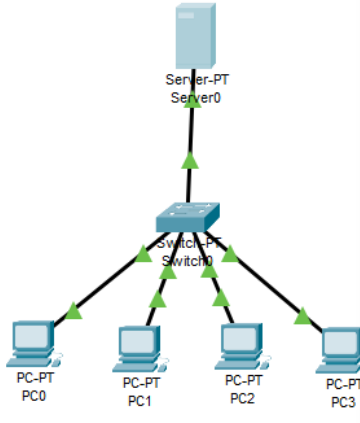
Topologi

IP Configuration Server



Configuration DHCP

17. y: 13



Server-PT
Server0

Switch-PT
Switch0

PC-PT
PC0

PC-PT
PC1

PC-PT
PC2

PC-PT
PC3

Server0

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....	255....	5	0.0.0.0	0.0.0.0

< >

☐ Top

PC0

Physical Config **Desktop** Programming Attributes

IP Configuration X

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::290:2BFF:FED8:9D57

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Top

PC1

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static

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::20A:41FF:FE21:9CAA

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Top

PC2

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

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:CFF:FE10:CD92

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Top

PC3

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static DHCP request successful.

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:FE0C:2A3A

IPv6 Gateway

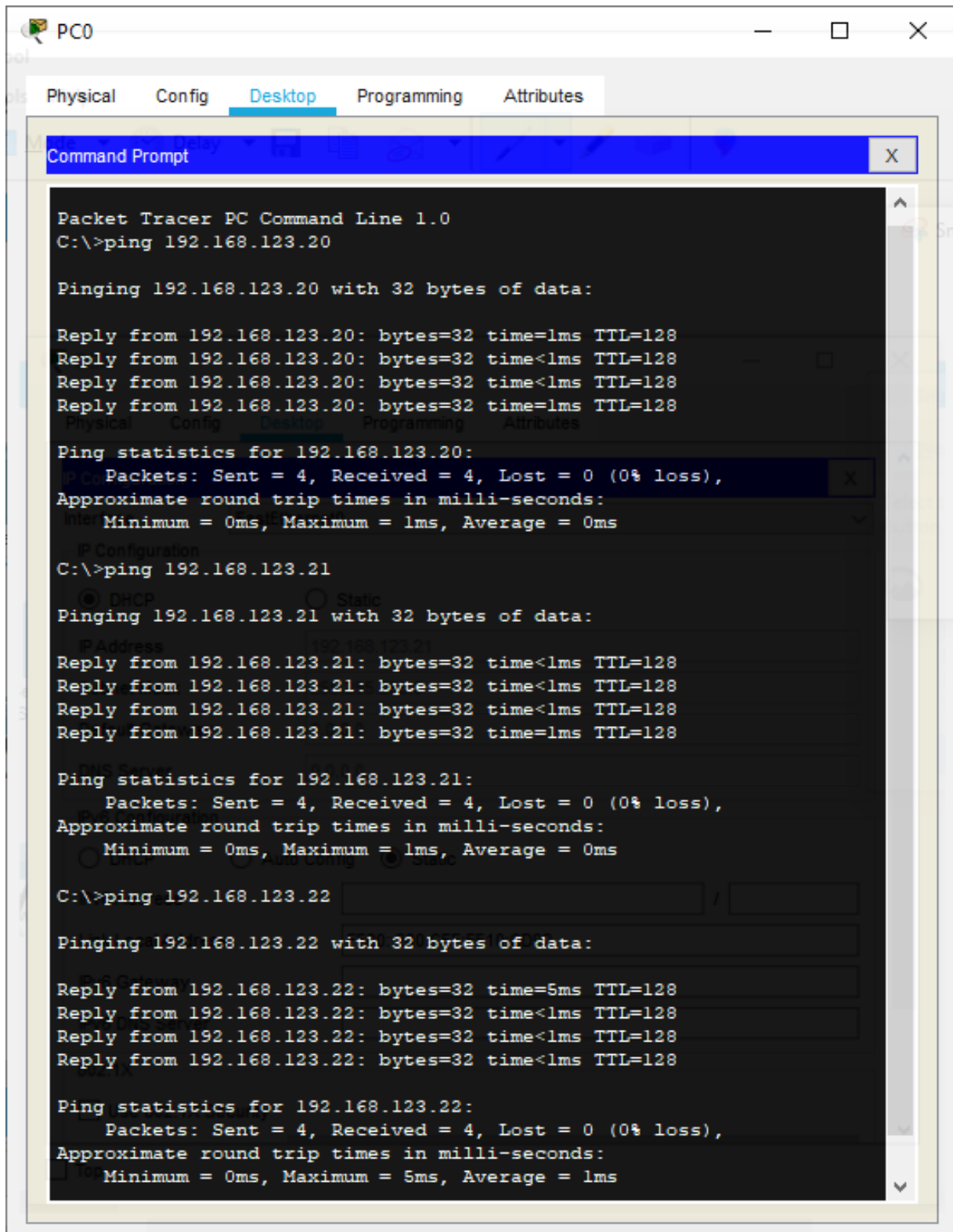
IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Top

PING Semua PC yang terhubung ke Server



The screenshot shows a Packet Tracer interface with a PC named PC0. The 'Desktop' tab is selected, displaying a 'Command Prompt' window. The window contains the following text:

```
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=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
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 = 1ms, Average = 0ms

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

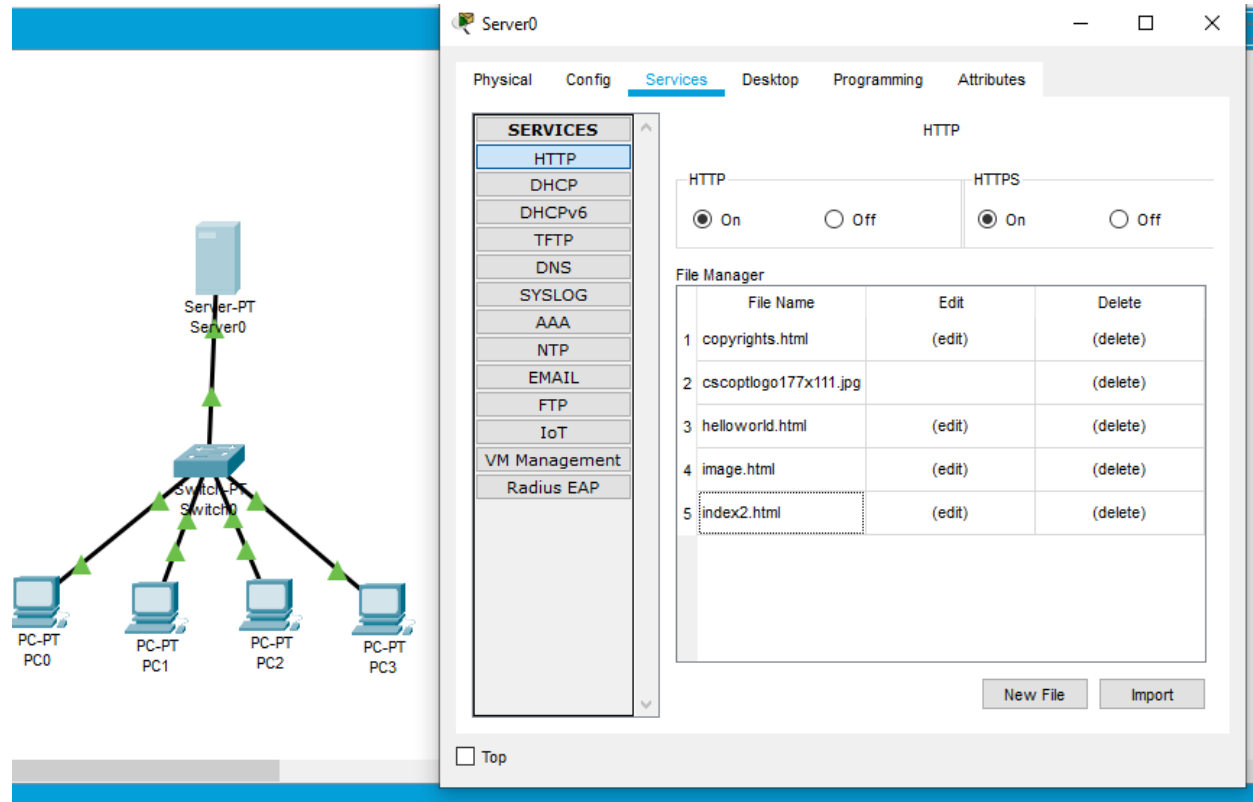
Pinging 192.168.123.22 with 32 bytes of data:

Reply from 192.168.123.22: bytes=32 time=5ms 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 = 5ms, Average = 1ms
```

WEB Server

HTTP = ON



The network diagram shows a central Switch-PT Switch0 connected to four PC-PT PCs (PC0, PC1, PC2, PC3) and a Server-PT Server0. The Server0 configuration window is open, showing the Services tab. The HTTP service is enabled (On). The File Manager shows a list of files: copyrights.html, cscoptlogo177x111.jpg, helloworld.html, image.html, and index2.html.

Server0

Physical Config **Services** Desktop Programming Attributes

SERVICES

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

HTTP

HTTP ☒ On ☐ Off HTTPS ☒ On ☐ Off

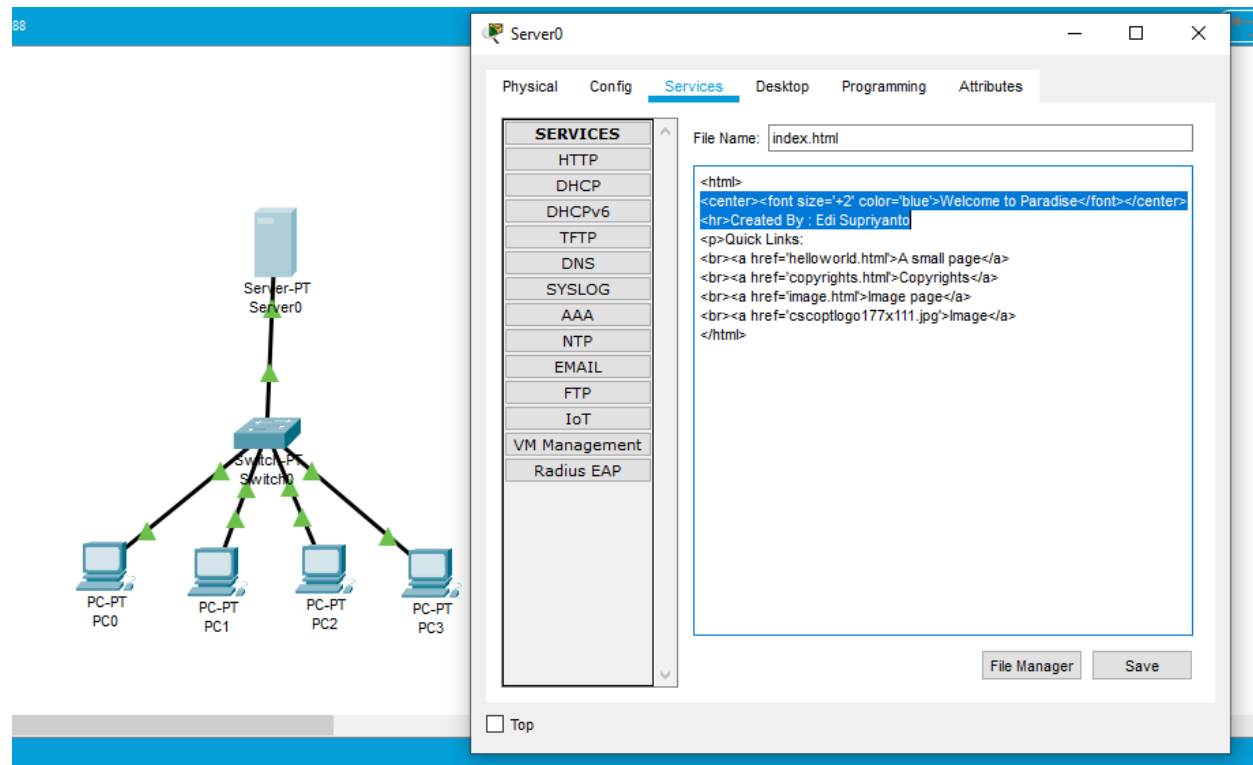
File Manager

	File Name	Edit	Delete
1	copyrights.html	(edit)	(delete)
2	cscoptlogo177x111.jpg		(delete)
3	helloworld.html	(edit)	(delete)
4	image.html	(edit)	(delete)
5	index2.html	(edit)	(delete)

New File Import

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Edit File index.html



The network diagram is the same as the previous one. The Server0 configuration window is open, showing the Services tab. The HTTP service is enabled (On). The File Manager shows the file index.html selected. The content of index.html is displayed in the editor.

Server0

Physical Config **Services** Desktop Programming Attributes

SERVICES

- HTTP
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- TFTP
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File Name: index.html

```
<html>
<center><font size="+2" color="blue">Welcome to Paradise</font></center>
<hr>Created By : Edi Supriyanto
<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>
```

File Manager Save

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Hasil WEB Server di PC0

Buka Desktop>web browser>ketikkan "192.168.123.1" pada URL> enter/Klik Go

