

Praktikum Jaringan Komputer

Modul 5

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Kegiatan Praktikum

A. DHCP Server

Server = 192.168.123.1/24

DHCP = ON

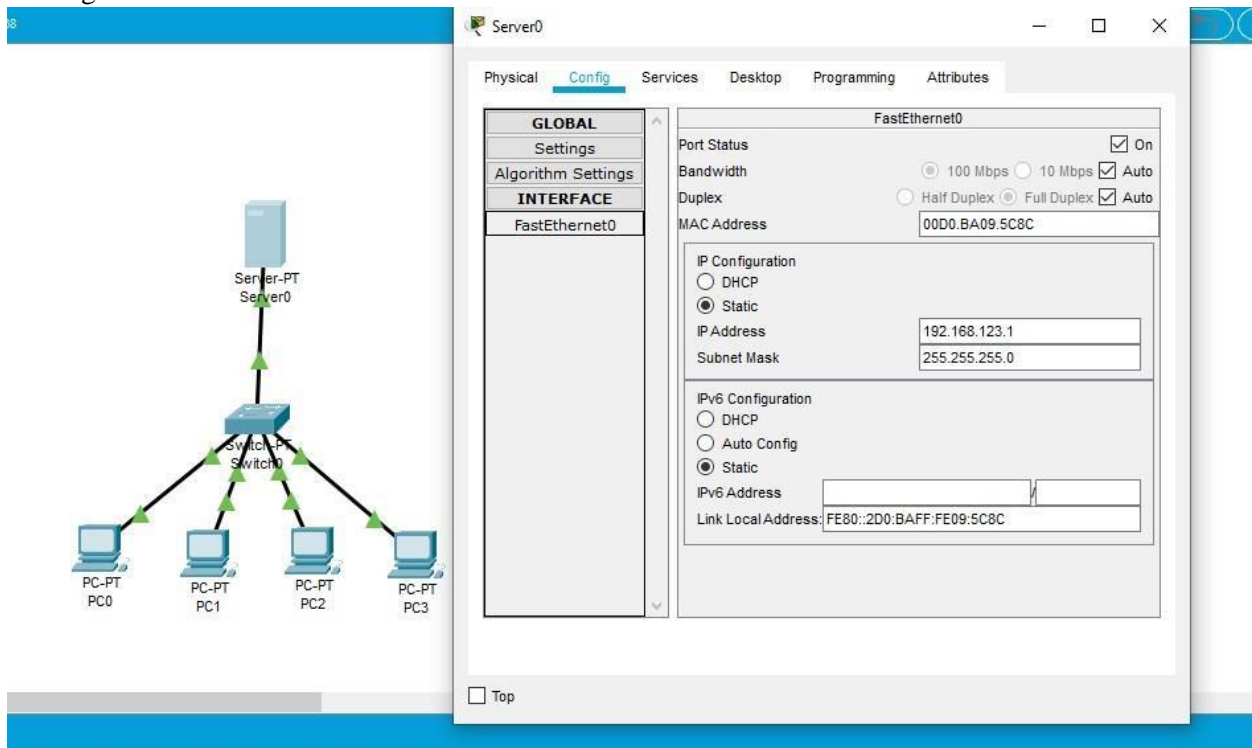
Start IP = 192.168.123.19

User Max = 5

Range IP = 192.168.123.19 – 192.168.123.23

Topologi

IP Configuration Server



Configuration DHCP

17, y: 13

```
graph TD; Server[Server-PT Server0] --- Switch[Switch-PT Switch0]; Switch --- PC0[PC-PT PC0]; Switch --- PC1[PC-PT PC1]; Switch --- PC2[PC-PT PC2]; Switch --- PC3[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:FE08:9D57

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

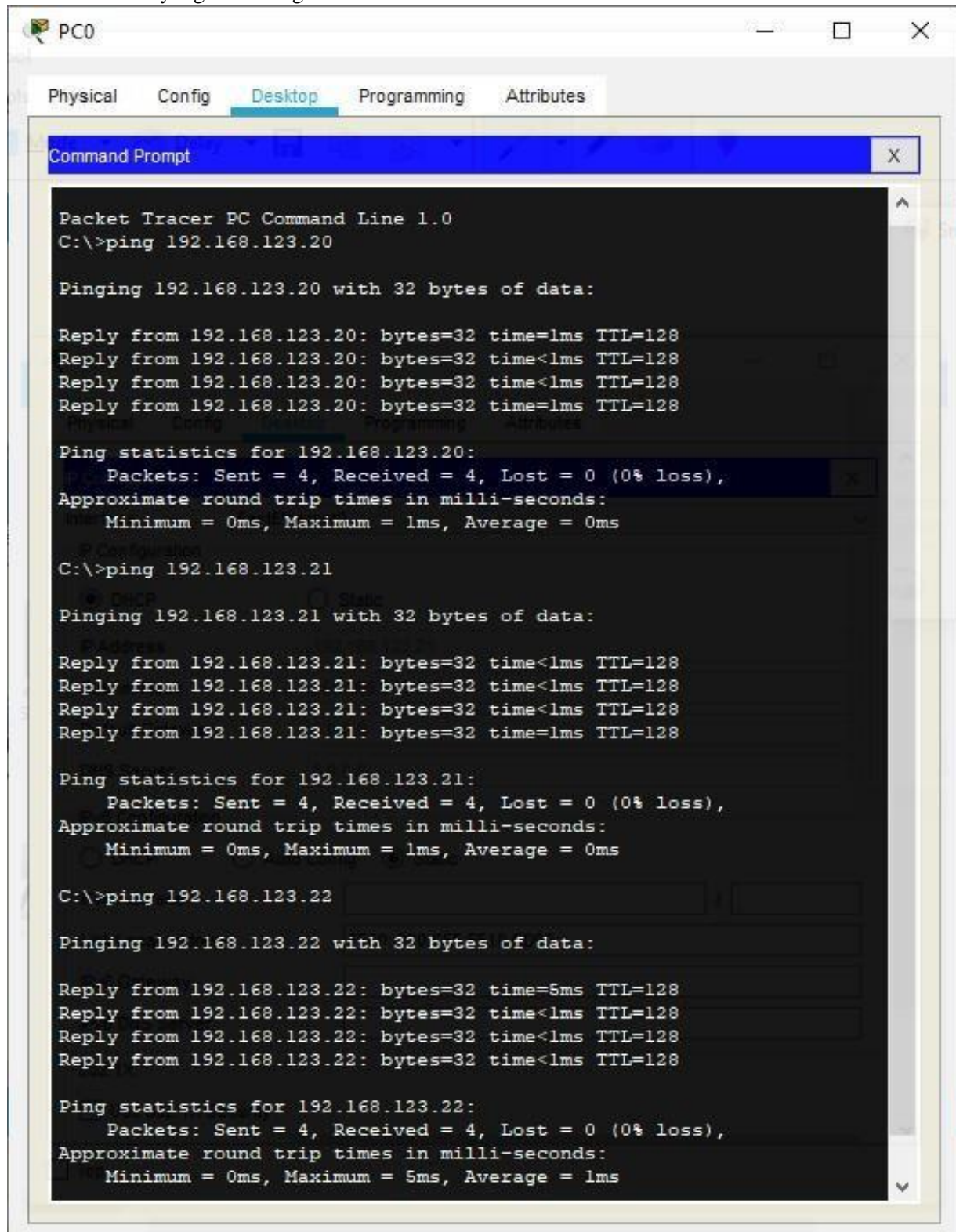
IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Top

PING Semua PC yang terhubung ke Server



The screenshot shows a Packet Tracer PC window titled "PC0" with tabs for Physical, Config, Desktop, Programming, and Attributes. The Desktop tab is active, displaying a Command Prompt window. The Command Prompt shows the execution of three ping commands from the PC's perspective. Each command is followed by four replies and a summary of ping statistics. The first two pings (to 192.168.123.20 and 192.168.123.21) show a time of 1ms, while the third (to 192.168.123.22) shows a time of 5ms. All pings have a TTL of 128 and 0% loss.

```
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

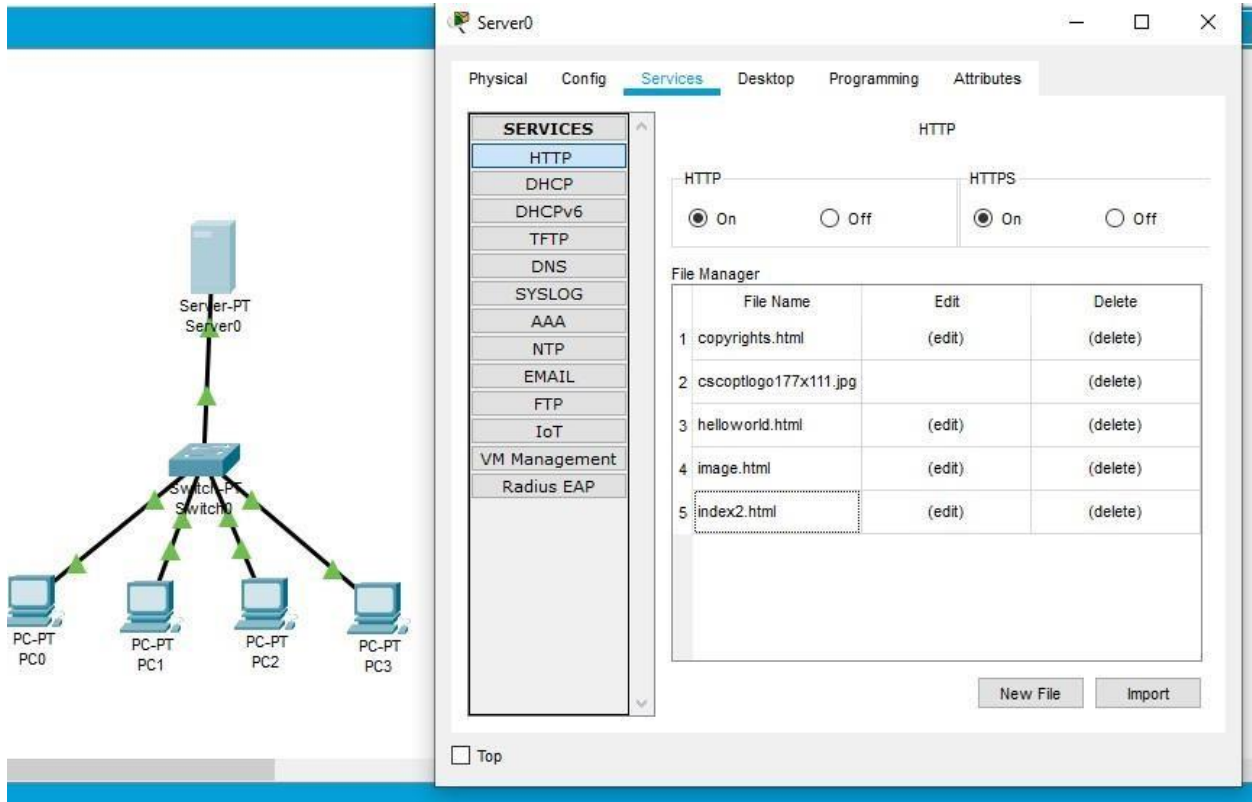
Pinging 192.168.123.22 with 32 bytes of data:

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

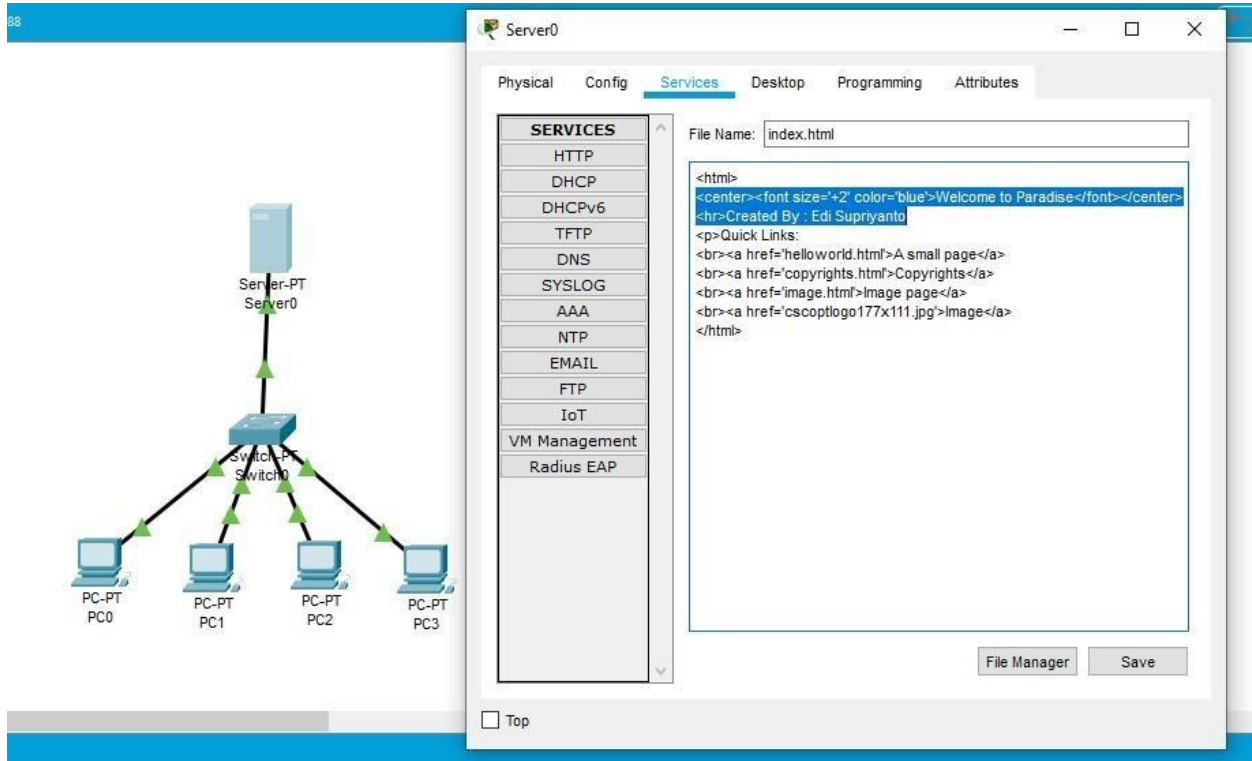


The image shows a network diagram on the left and a configuration window for 'Server0' on the right. The network diagram features a 'Server-PT Server0' at the top, connected to a 'Switch-PT Switch0'. The switch is then connected to four 'PC-PT' devices labeled PC0, PC1, PC2, and PC3. The configuration window for 'Server0' has tabs for 'Physical', 'Config', 'Services', 'Desktop', 'Programming', and 'Attributes'. The 'Services' tab is active, showing a list of services on the left and configuration options on the right. The 'HTTP' service is selected and configured to be 'On'. Below the service list is a 'File Manager' table.

	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)

Buttons at the bottom right of the File Manager: 'New File' and 'Import'.

Edit File index.html



The image shows the same network diagram as before, and the 'Server0' configuration window with the 'Services' tab active. The 'File Name' field in the File Manager is set to 'index.html', and the 'Edit' button is highlighted. The HTML content of the file is displayed in a text area.

```
<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>
```

Buttons at the bottom right of the File Manager: 'File Manager' and 'Save'.

Hasil WEB Server di PC0

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

