

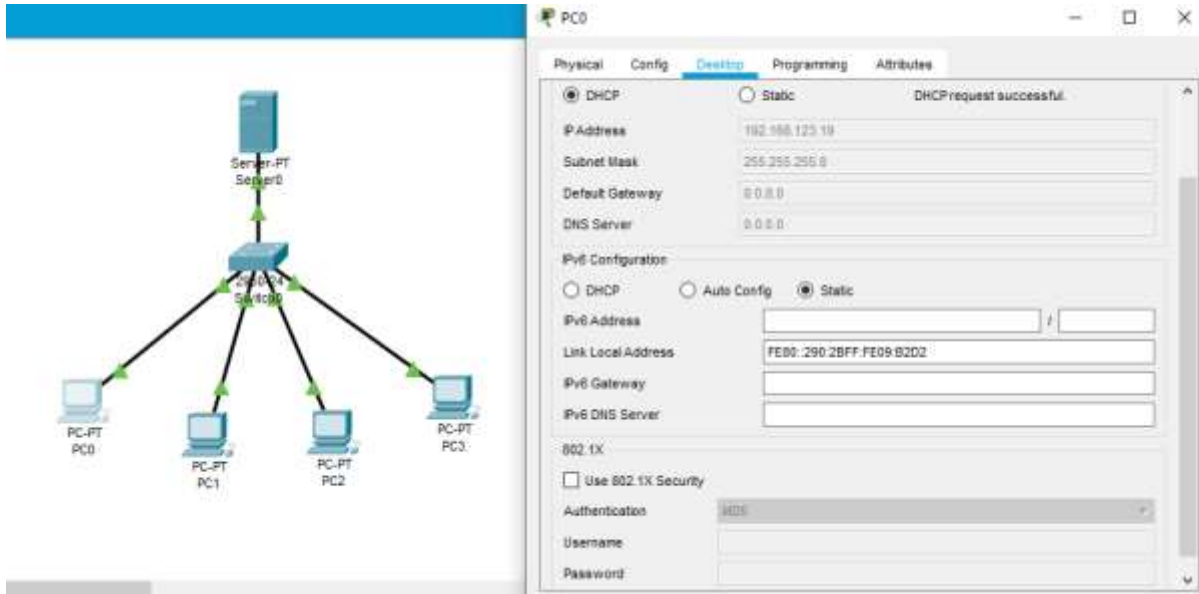
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NIM : L200180183  
Kelas : E JarKom

## MODUL 5

### Jaringan Komputer

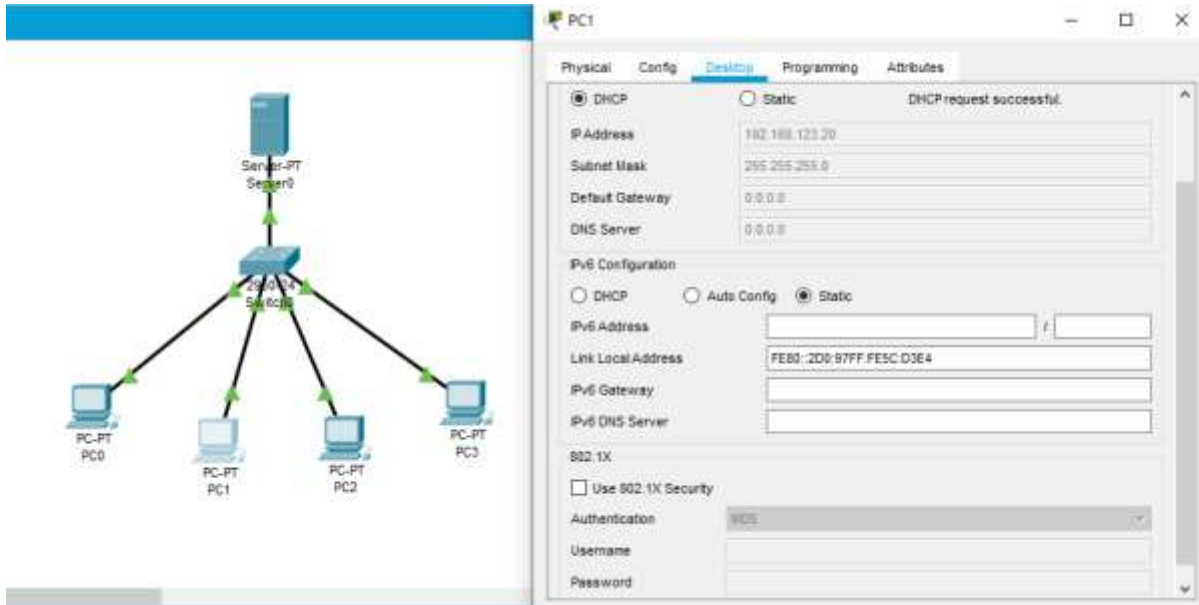
#### Kegiatan Praktikum

#### 1. PRAKTIKUM 1 MEMBUAT DHCP SERVER PC0



The image shows a network diagram on the left and the configuration window for PC0 on the right. The network diagram illustrates a central 2950-24 Switch connected to a Server-PT (Server0) and four PC-PTs (PC0, PC1, PC2, PC3). The PC0 configuration window is open to the 'Desktop' tab, showing DHCP settings. The IP Address is 192.168.123.19, Subnet Mask is 255.255.255.0, Default Gateway is 0.0.0.0, and DNS Server is 0.0.0.0. The IPv6 Configuration section shows Static settings with an IPv6 Address of FE80::290:2BFF:FE09:B2D2, Link Local Address of FE80::290:2BFF:FE09:B2D2, and IPv6 Gateway and IPv6 DNS Server fields are empty. The 802.1X section shows 'Use 802.1X Security' is unchecked, Authentication is set to RADIUS, and Username and Password fields are empty.

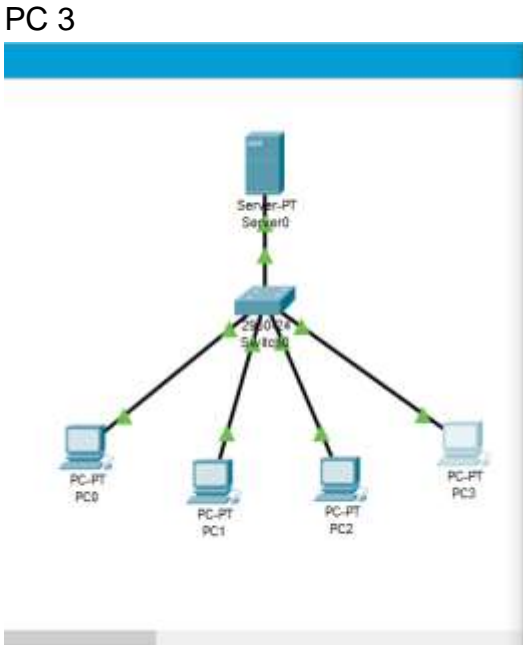
#### PC1



The image shows the same network diagram on the left and the configuration window for PC1 on the right. The PC1 configuration window is open to the 'Desktop' tab, showing DHCP settings. The IP Address is 192.168.123.20, Subnet Mask is 255.255.255.0, Default Gateway is 0.0.0.0, and DNS Server is 0.0.0.0. The IPv6 Configuration section shows Static settings with an IPv6 Address of FE80::2D0:97FF:FE5C:D3E4, Link Local Address of FE80::2D0:97FF:FE5C:D3E4, and IPv6 Gateway and IPv6 DNS Server fields are empty. The 802.1X section shows 'Use 802.1X Security' is unchecked, Authentication is set to RADIUS, and Username and Password fields are empty.

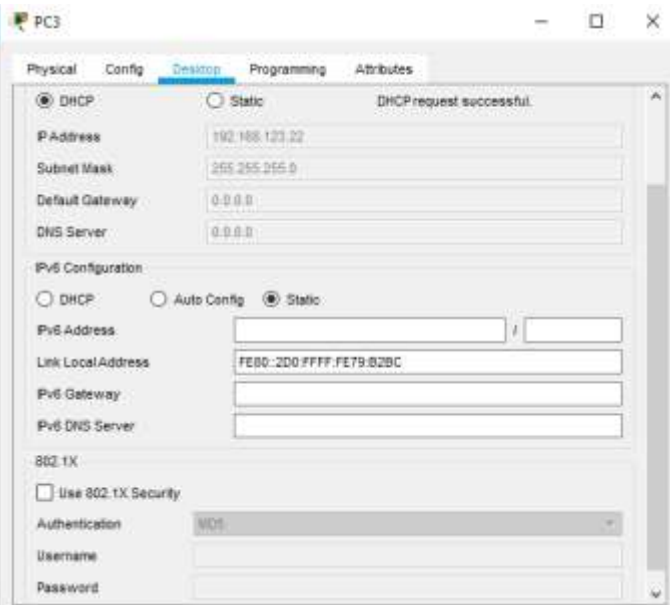
```

graph TD
    Server0[Server-PT Server0] --- Switch[2510 PoE Switch]
    Switch --- PC0[PC-PT PC0]
    Switch --- PC1[PC-PT PC1]
    Switch --- PC2[PC-PT PC2]
    Switch --- PC3[PC-PT PC3]
  
```

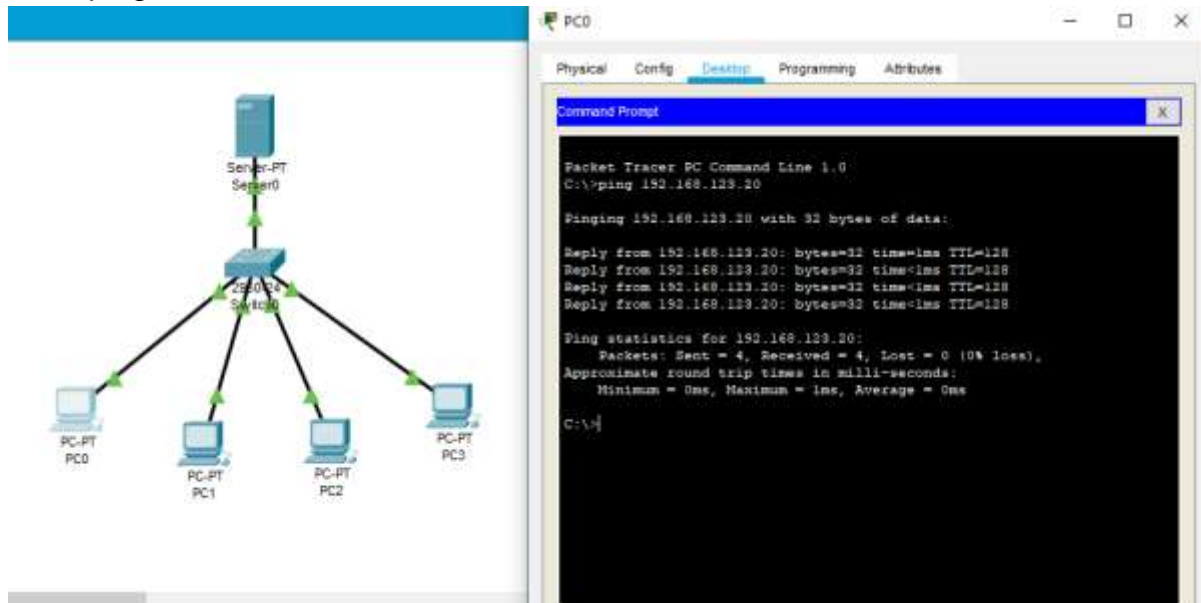


```

graph TD
    Switch0[Switch0] --> Server0[Server-PT Server0]
    Switch0 --> PC0[PC-PT PC0]
    Switch0 --> PC1[PC-PT PC1]
    Switch0 --> PC2[PC-PT PC2]
    PC3[PC-PT PC3]
  
```



## Hasil ping PC0 ke PC1



The network diagram shows a central 2950-24 Switch connected to a Server-PT Server0 and four PC-PT devices (PC0, PC1, PC2, PC3). The Command Prompt on PC0 shows the following output:

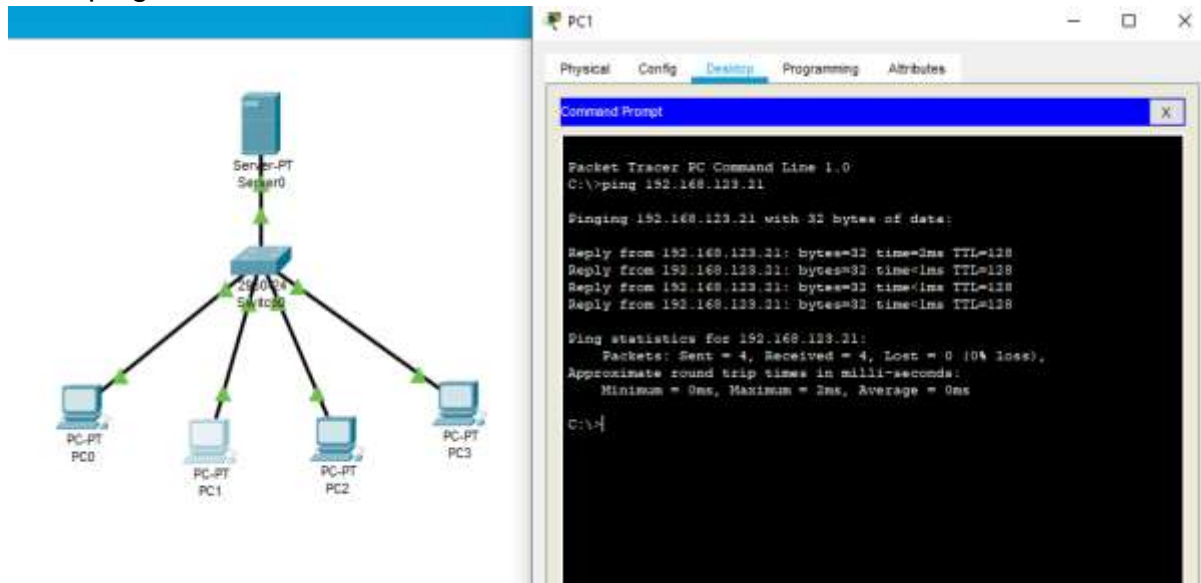
```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.123.20

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:\>
```

## Hasil ping PC1 ke PC2



The network diagram shows a central 2950-24 Switch connected to a Server-PT Server0 and four PC-PT devices (PC0, PC1, PC2, PC3). The Command Prompt on PC1 shows the following output:

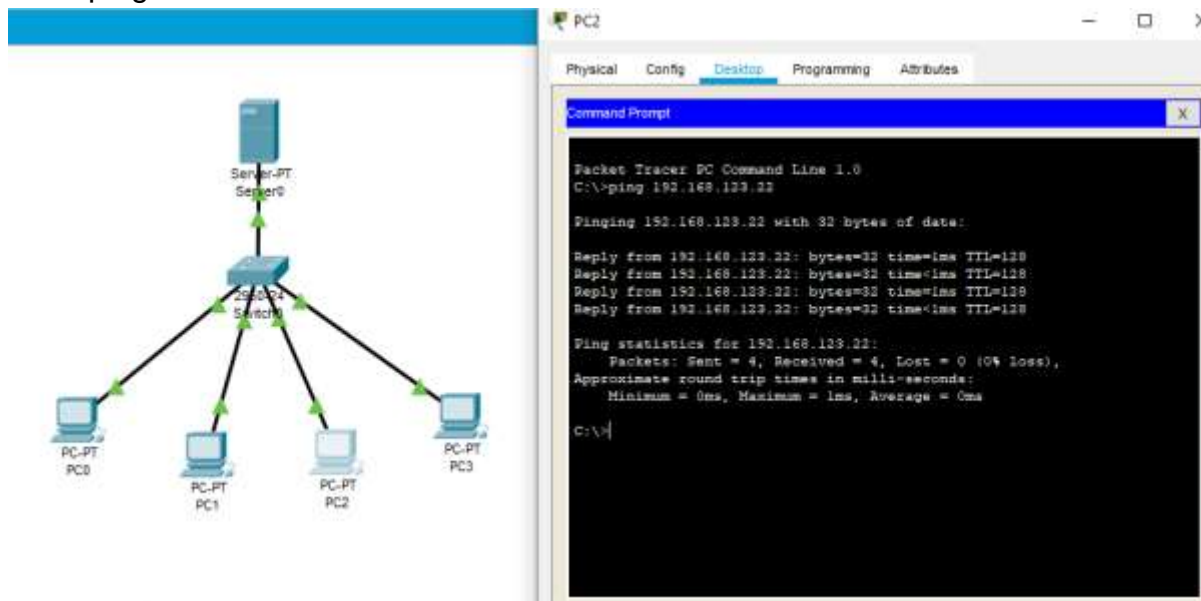
```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.123.21

Pinging 192.168.123.21 with 32 bytes of data:

Reply from 192.168.123.21: bytes=32 time=0ms 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 = 2ms, Average = 0ms
C:\>
```

Hasil ping PC2 ke PC3



The image shows a network diagram on the left and a Command Prompt window on the right. The network diagram features a central 2950-24 Switch connected to a Server-PT (Server0) at the top. Below the switch, four PC-PT devices are connected: PC0, PC1, PC2, and PC3. The Command Prompt window, titled 'PC2', displays the output of a ping command from PC2 to PC3 (192.168.123.22). The output shows four successful replies with 32 bytes of data, a time of 1ms, and a TTL of 128. The ping statistics indicate that all four packets were sent and received, with 0% loss.

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.123.22

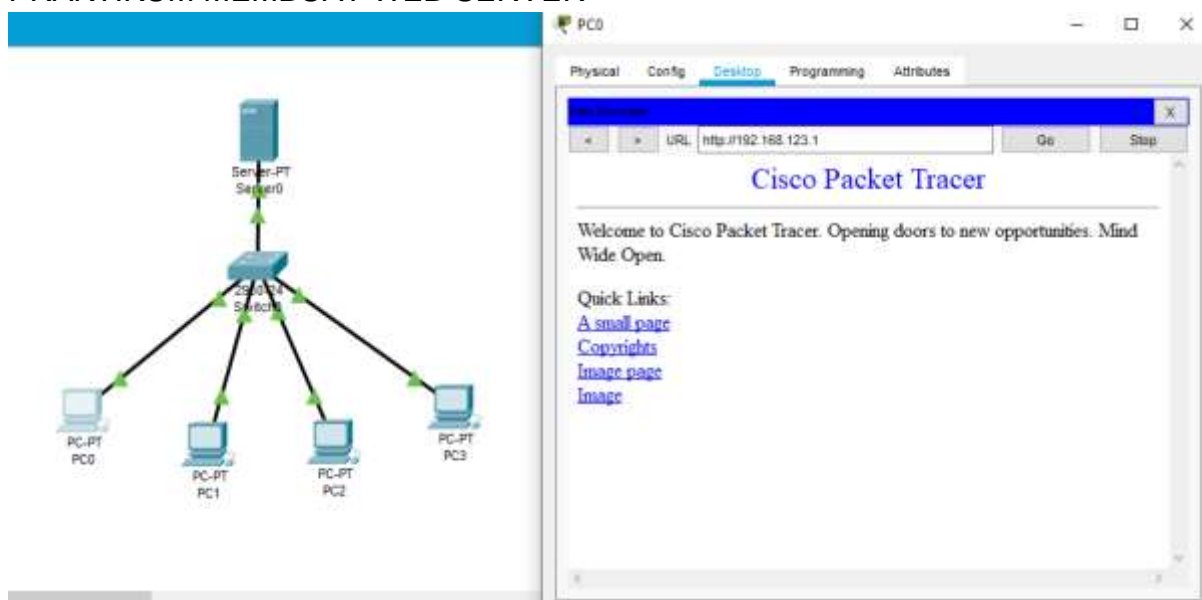
Pinging 192.168.123.22 with 32 bytes of data:

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=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 = 1ms, Average = 0ms

C:\>
```

## 2. PRAKTIKUM MEMBUAT WEB SERVER



The image shows the same network diagram as above, but with a web browser window open on PC0. The browser, titled 'New Internet Explorer', has the URL 'http://192.168.123.1' entered in the address bar. The page content displays 'Cisco Packet Tracer' in a large blue font, followed by a welcome message: 'Welcome to Cisco Packet Tracer. Opening doors to new opportunities. Mind Wide Open.' Below this, there are 'Quick Links' to 'A small page', 'Copyrights', 'Image page', and 'Image'.

```
Physical Config Desktop Programming Attributes
New Internet Explorer
URL: http://192.168.123.1 Go Stop

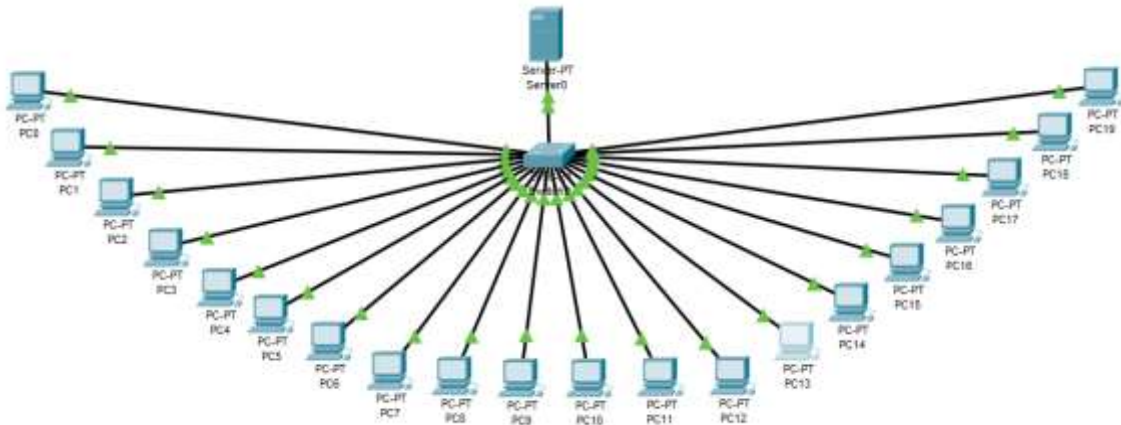
Cisco Packet Tracer

Welcome to Cisco Packet Tracer. Opening doors to new opportunities. Mind
Wide Open.

Quick Links:
A small page
Copyrights
Image page
Image
```

## TUGAS MODUL 5

### 1. DHC server dengan 20 PC



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: 20

TFTP Server: 0.0.0.0

WLC Address: 0.0.0.0

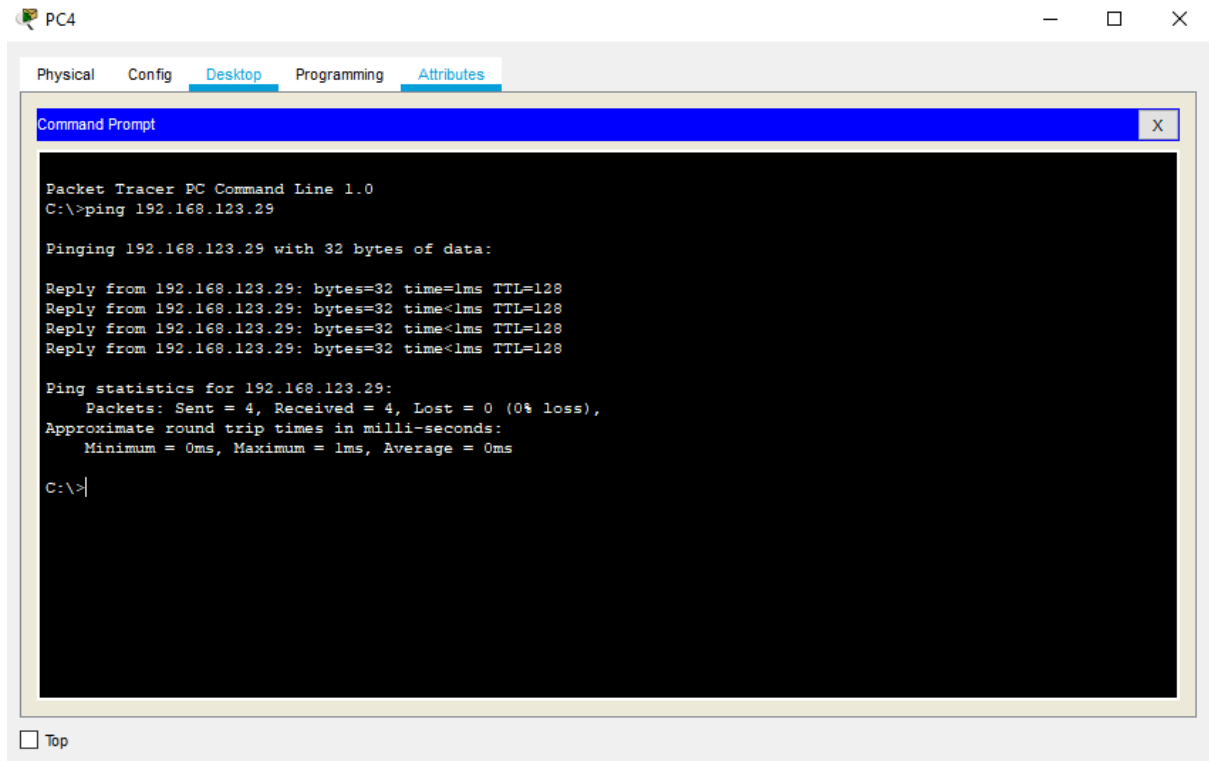
Add Save Remove

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	20	0.0.0.0	0.0.0.0

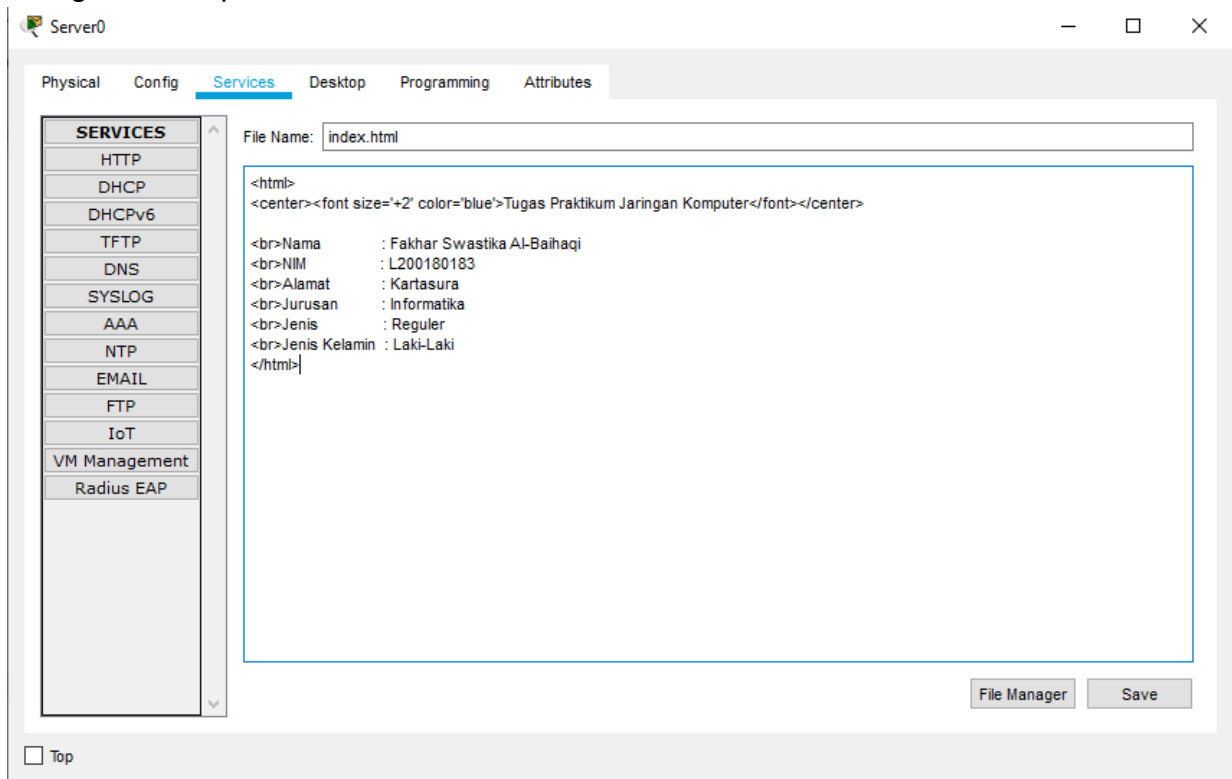
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☐ Top

## Contoh hasil ping PC4 ke PC13



## 2. Mengubah tampilan web browser



# Hasil

