

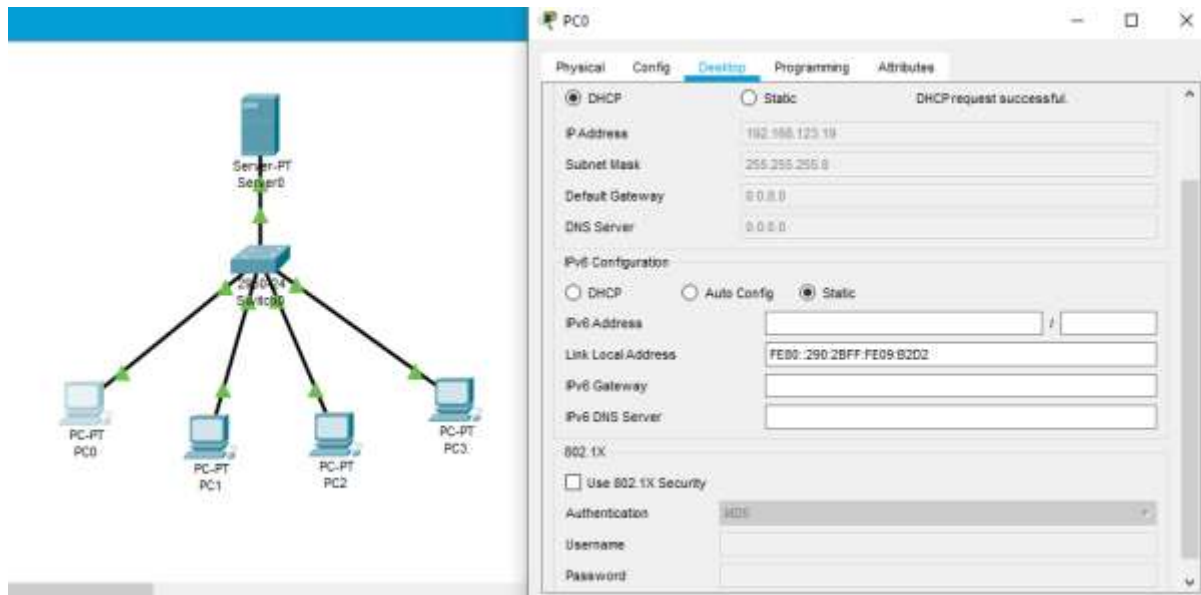
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NIM : L200180210
Kelas : E Praktikum JarKom

MODUL 5 JarKom

Kegiatan Praktikum

1. PRAKTIKUM 1 MEMBUAT DHCP SERVER

PC0



The image shows a network diagram on the left and a configuration window for PC0 on the right. The network diagram illustrates a central switch connected to a Server-PT and four PC-PTs (PC0, PC1, PC2, PC3). The configuration window for PC0 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 configuration with an IPv6 Address field, Link Local Address FE80::290:2BFF:FE09:B2D2, and empty fields for IPv6 Gateway and IPv6 DNS Server. The 802.1X section is unchecked.

PC0

Physical Config **Desktop** Programming Attributes

☒ 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:FE09:B2D2

IPv6 Gateway

IPv6 DNS Server

802.1X

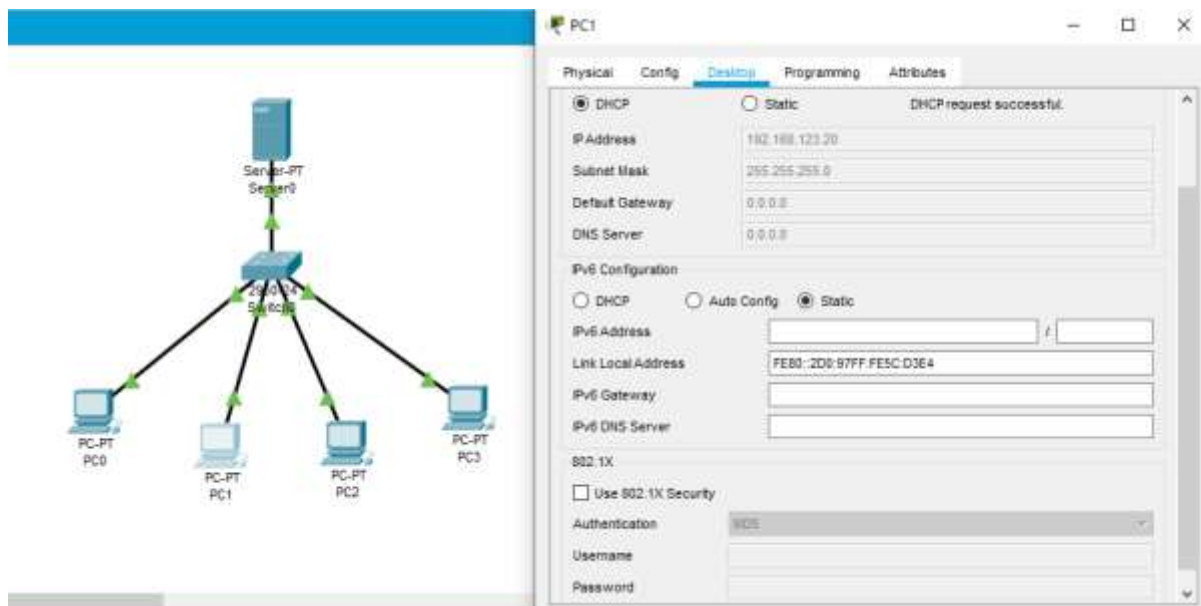
☐ Use 802.1X Security

Authentication

Username

Password

PC1



The image shows the same network diagram as above and a configuration window for PC1 on the right. The configuration window for PC1 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 configuration with an IPv6 Address field, Link Local Address FE80::2D0:87FF:FE5C:D3E4, and empty fields for IPv6 Gateway and IPv6 DNS Server. The 802.1X section is unchecked.

PC1

Physical Config **Desktop** Programming Attributes

☒ 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::2D0:87FF:FE5C:D3E4

IPv6 Gateway

IPv6 DNS Server

802.1X

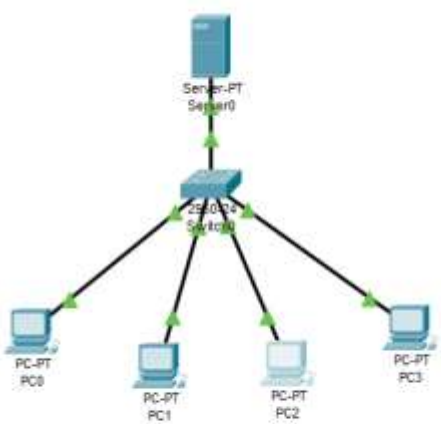
☐ Use 802.1X Security

Authentication

Username

Password

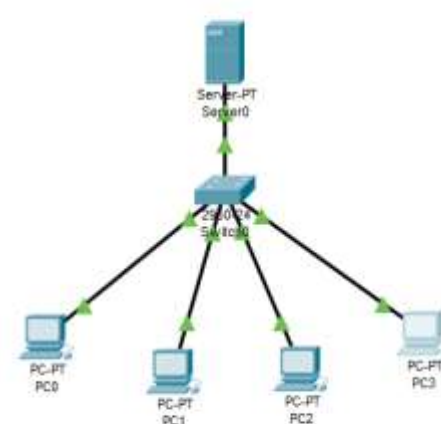
PC2



PC2 configuration window:

- Physical** | **Config** | **Desktop** | **Programming** | **Attributes**
- ☒ 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::2D0:FFFF:FECA:45AA
 - IPv6 Gateway: []
 - IPv6 DNS Server: []
- 802.1X**
 - ☐ Use 802.1X Security
 - Authentication: MD5
 - Username: []
 - Password: []
- ☐ Top

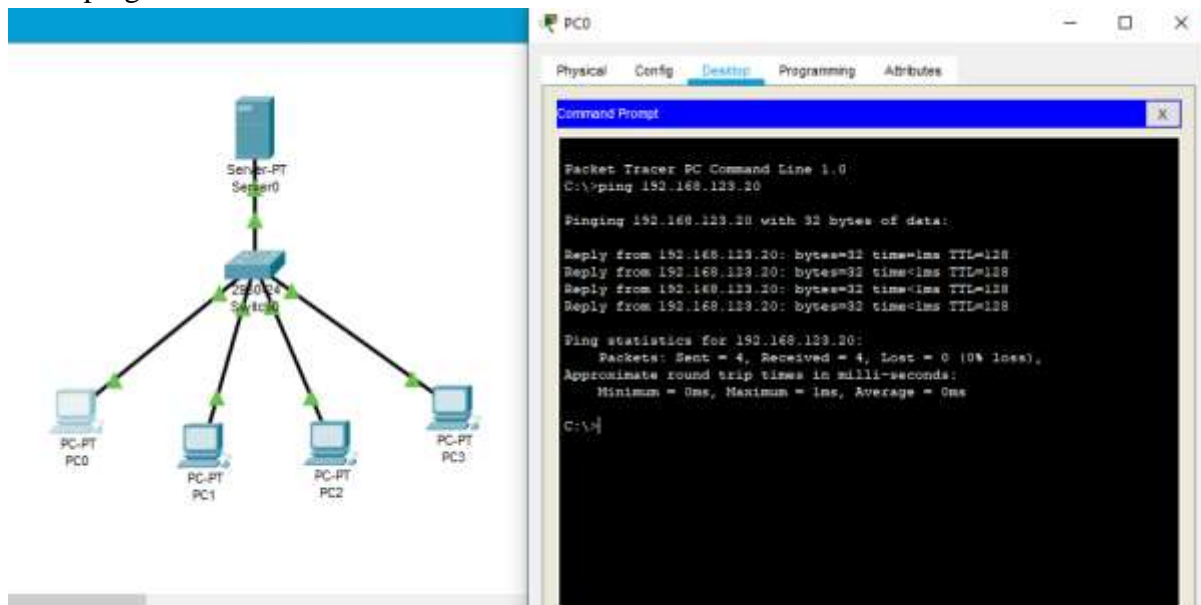
PC 3



PC3 configuration window:

- Physical** | **Config** | **Desktop** | **Programming** | **Attributes**
- ☒ 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:FFFF:FE79:82BC
 - IPv6 Gateway: []
 - IPv6 DNS Server: []
- 802.1X**
 - ☐ Use 802.1X Security
 - Authentication: MD5
 - Username: []
 - Password: []

Hasil ping PC0 ke PC1



The network diagram shows a central 2950-24 Switch connected to four PC-PT devices: PC0, PC1, PC2, and PC3. A Server-PT labeled Server0 is connected to the switch. The PC0 window displays the following command prompt output:

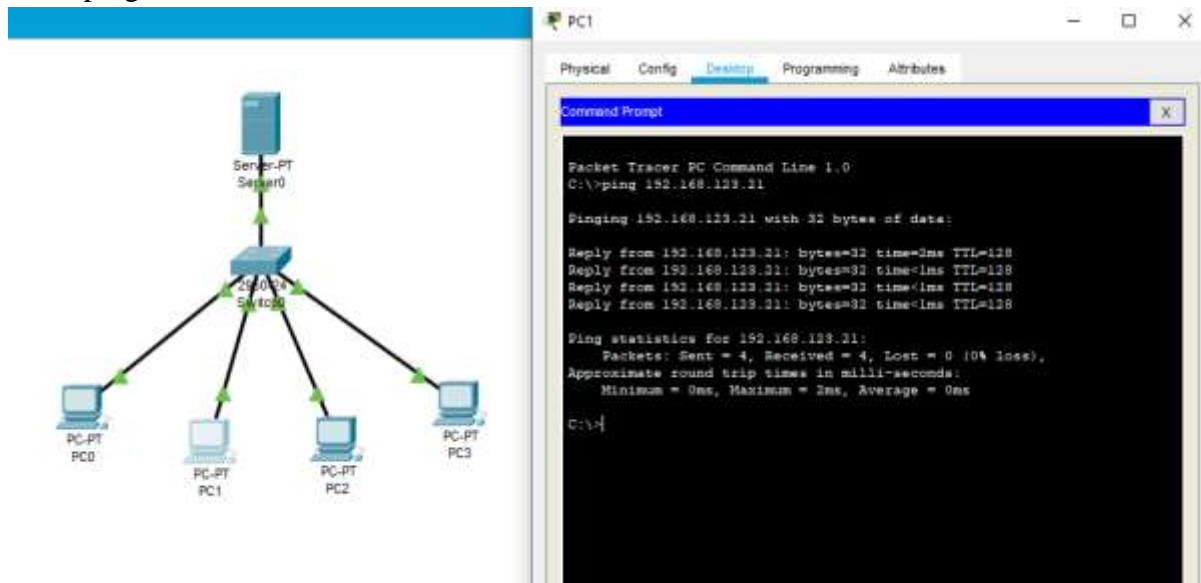
```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.123.20

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 is identical to the one above, showing a central 2950-24 Switch connected to four PC-PT devices: PC0, PC1, PC2, and PC3. A Server-PT labeled Server0 is connected to the switch. The PC1 window displays the following command prompt output:

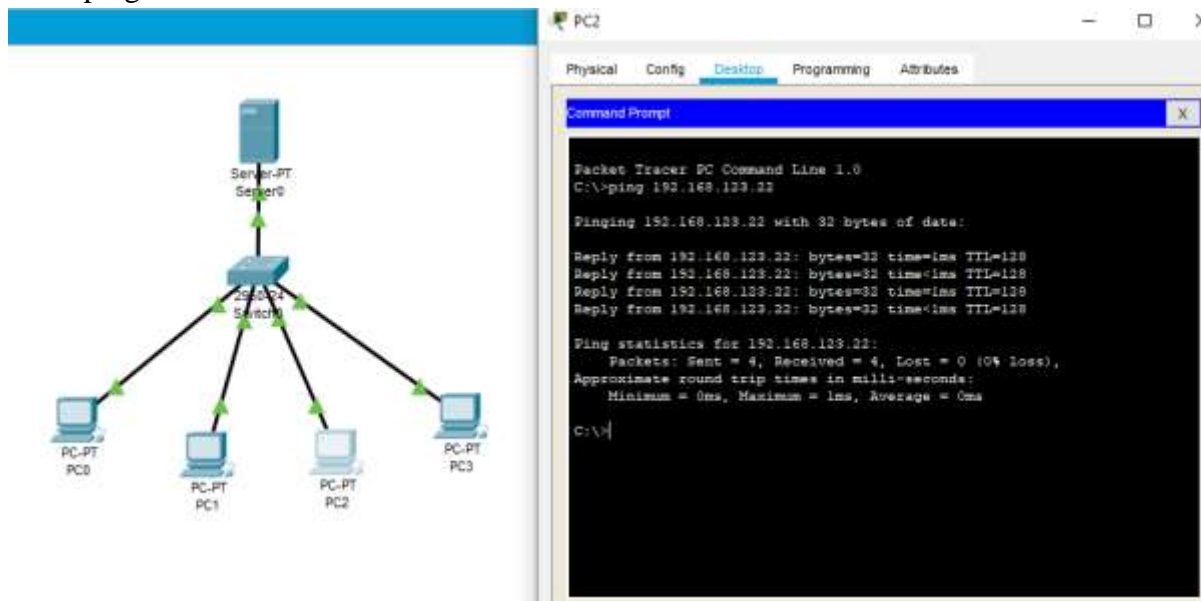
```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.123.21

Pinging 192.168.123.21 with 32 bytes of data:

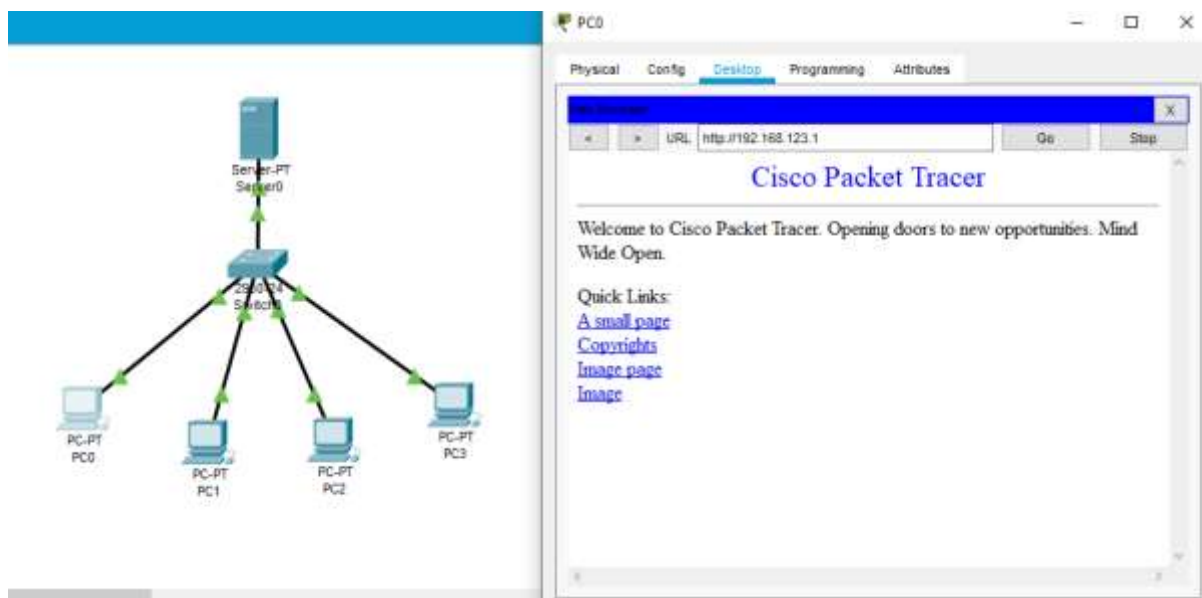
Reply from 192.168.123.21: bytes=32 time=0ms TTL=128
Reply from 192.168.123.21: bytes=32 time=1ms TTL=128
Reply from 192.168.123.21: bytes=32 time=1ms TTL=128
Reply from 192.168.123.21: bytes=32 time=1ms TTL=128

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

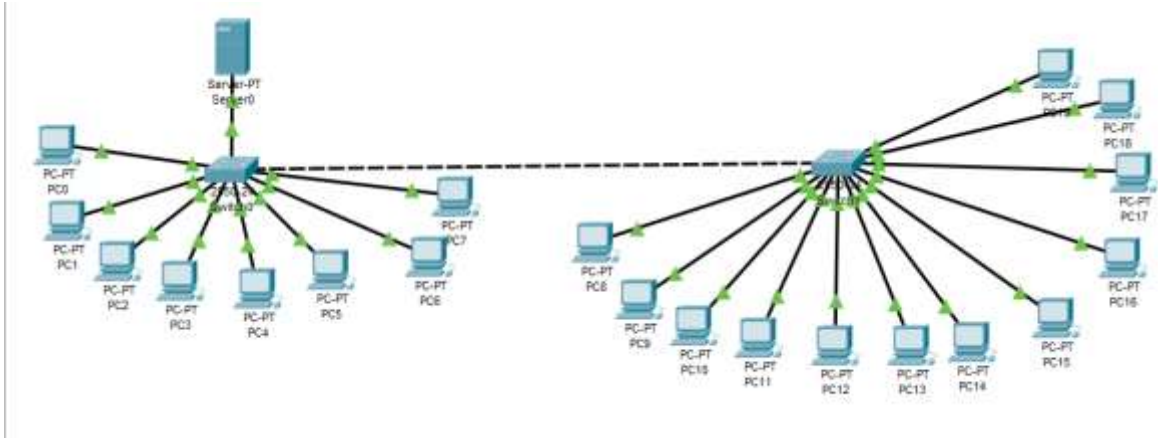


2. PRAKTIKUM MEMBUAT WEB SERVER



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

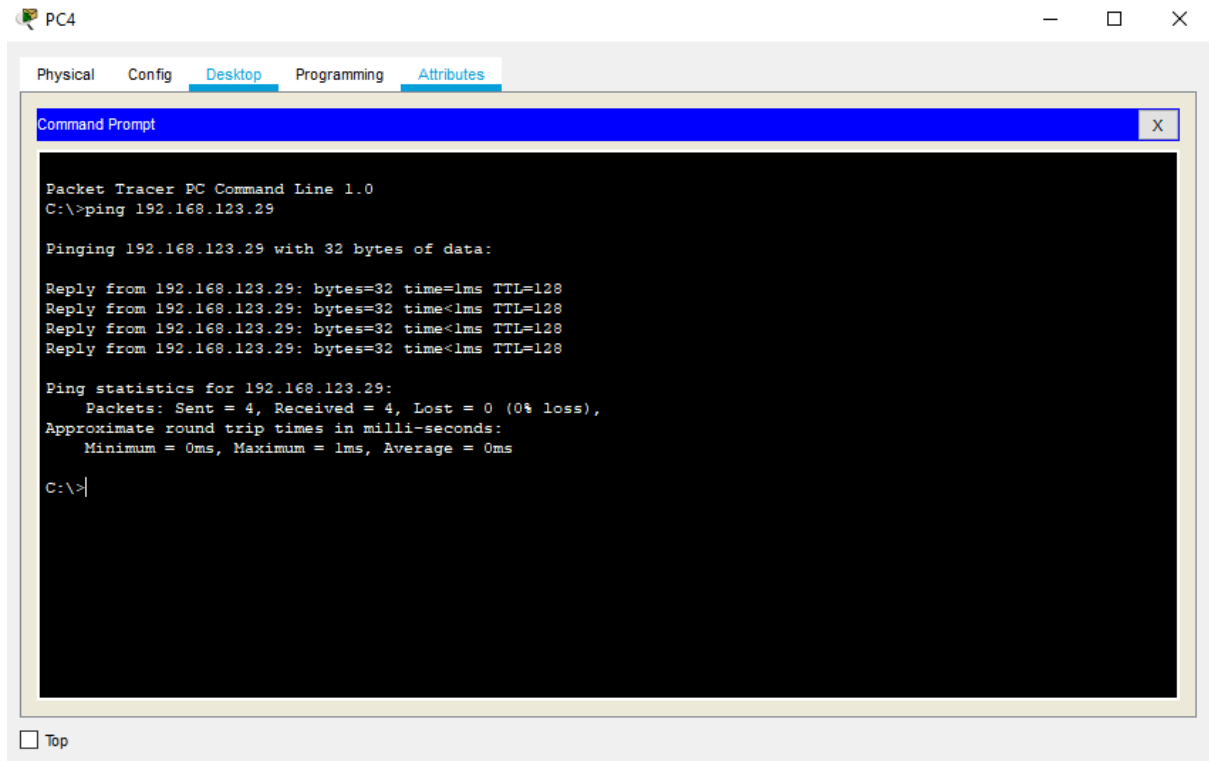
Add Save Remove

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

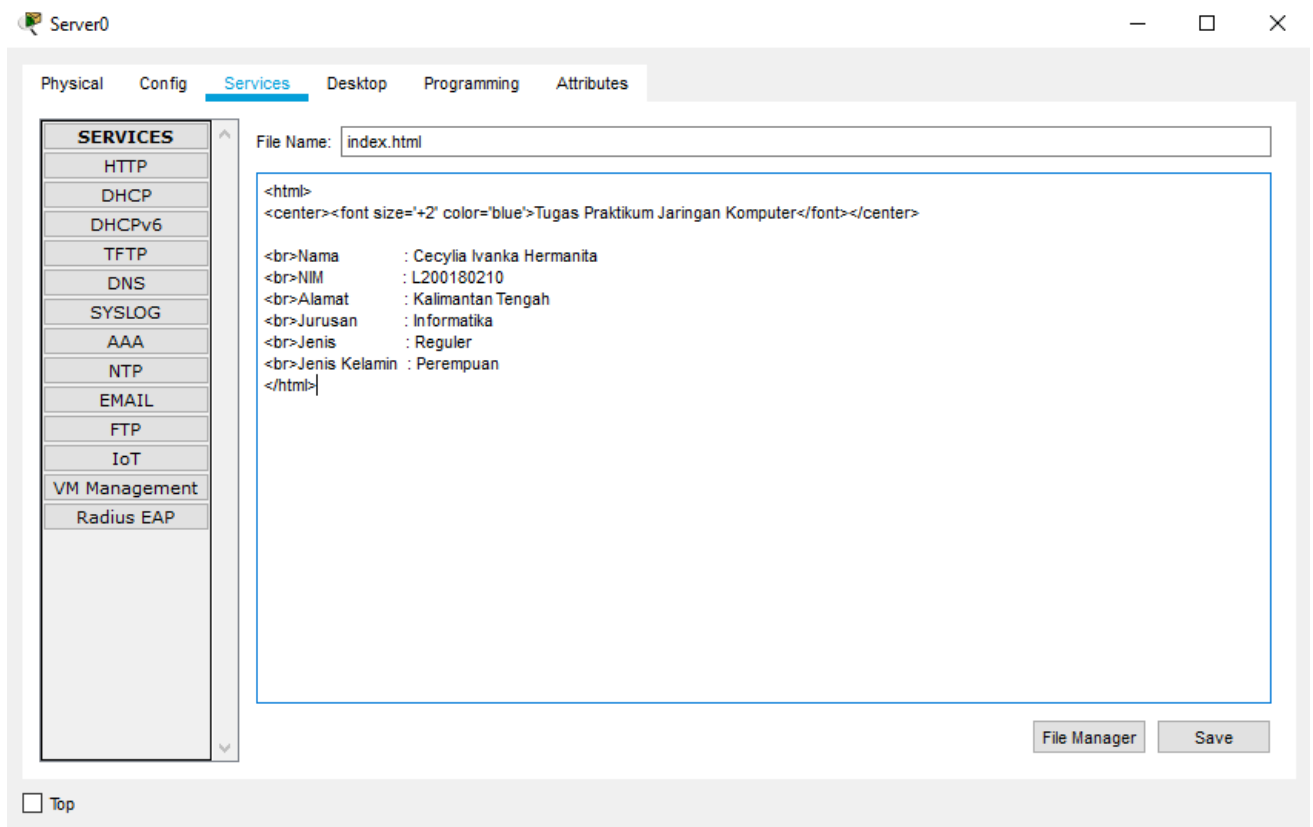
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☐ Top

Contoh hasil ping PC4 ke PC13



2. Mengubah tampilan web browser



Hasil

