

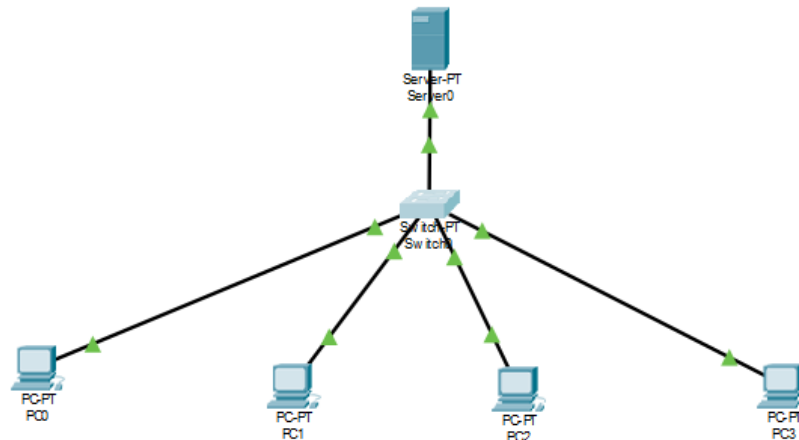
Nama : Robby Novianto

NIM : L200180050

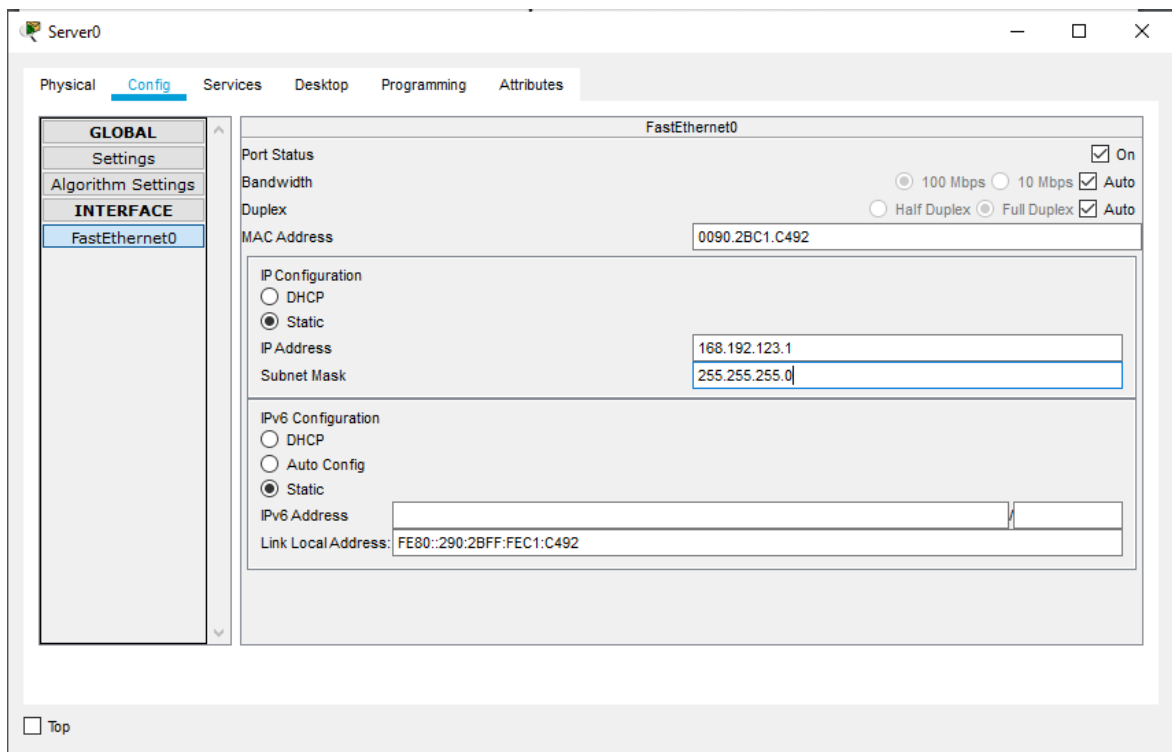
Kelas : B

MODUL 5

1. Praktikum 1 membuat DHCP SERVER



- a. Double-klik Server0. Pilih tab config. pada menu Interface, pilih Fast-Ethernet. Pada bagian IP Configuration, isikan dengan IP address server, dalam contoh ini 192.168.123.1 subnet mask 255.255.255.0



- b. Pilih DHCP, pastikan service DHCP On. Isikan IP address 192.168.123.19, dan pada maximum number of users = 5.

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 :

168

192

123

0

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	168.192...	255.255...	255	0.0.0.0	0.0.0.0

Top

- c. pada sisi semua client masuk ip configuration, pastikan pada pilihan radio button pada pilihan DHCP.

PC0

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☒ DHCP

☐ Static

DHCP request successful.

IP Address

168.192.123.2

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:FE8D:C1EA

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication

MD5

Username

Password

☐ Top

PC1

Physical

Config

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Programming

Attributes

☒ DHCP

☐ Static

IP Address

168.192.123.3

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::230:A3FF:FE9B:EE85

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication

MD5

Username

Password

☐ Top

PC2

Physical Config **Desktop** Programming Attributes

☒ DHCP ☐ Static

IP Address 168.192.123.4

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::260:47FF:FEBE:7E01

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

☐ Top

PC3

Physical Config **Desktop** Programming Attributes

☒ DHCP ☐ Static

IP Address 168.192.123.5

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::201:C9FF:FE18:680B

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

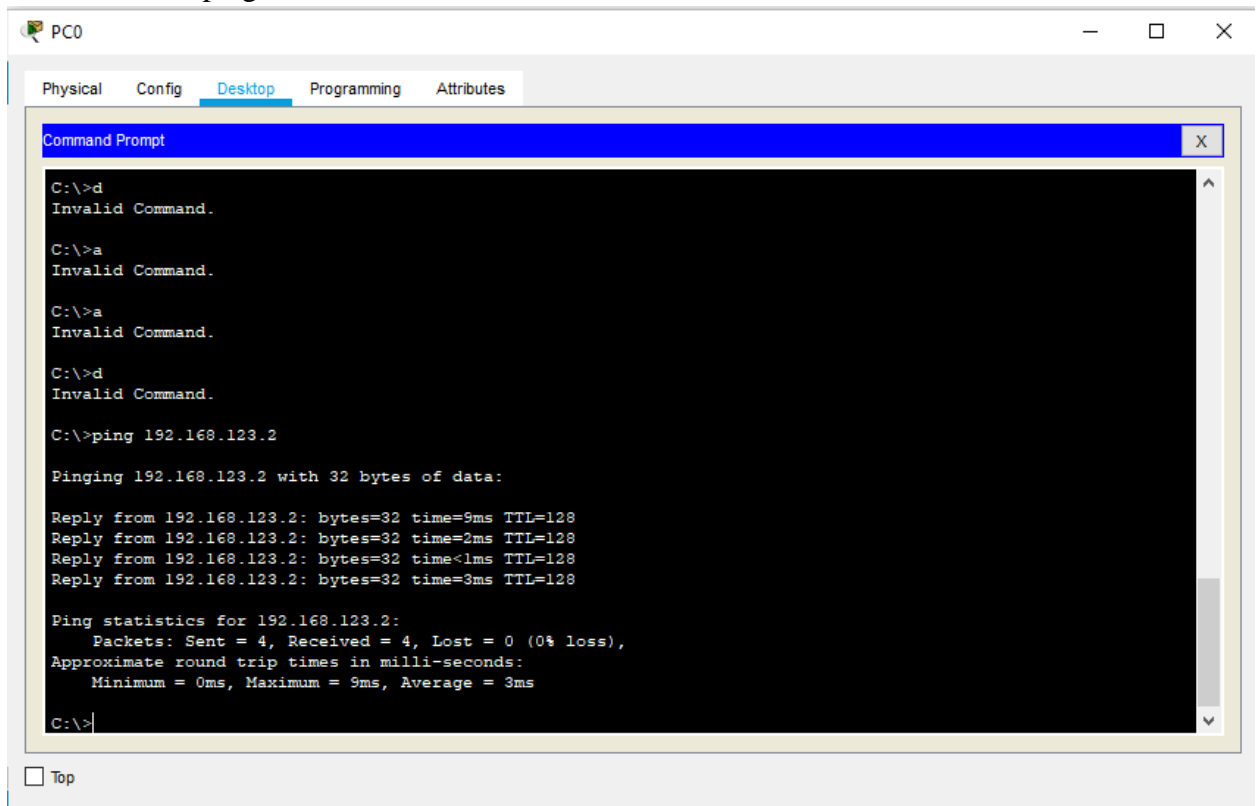
Authentication MD5

Username

Password

☐ Top

d. Melakukan tes ping



PC0

Physical Config Desktop Programming Attributes

Command Prompt

```
C:\>d
Invalid Command.

C:\>a
Invalid Command.

C:\>a
Invalid Command.

C:\>d
Invalid Command.

C:\>ping 192.168.123.2

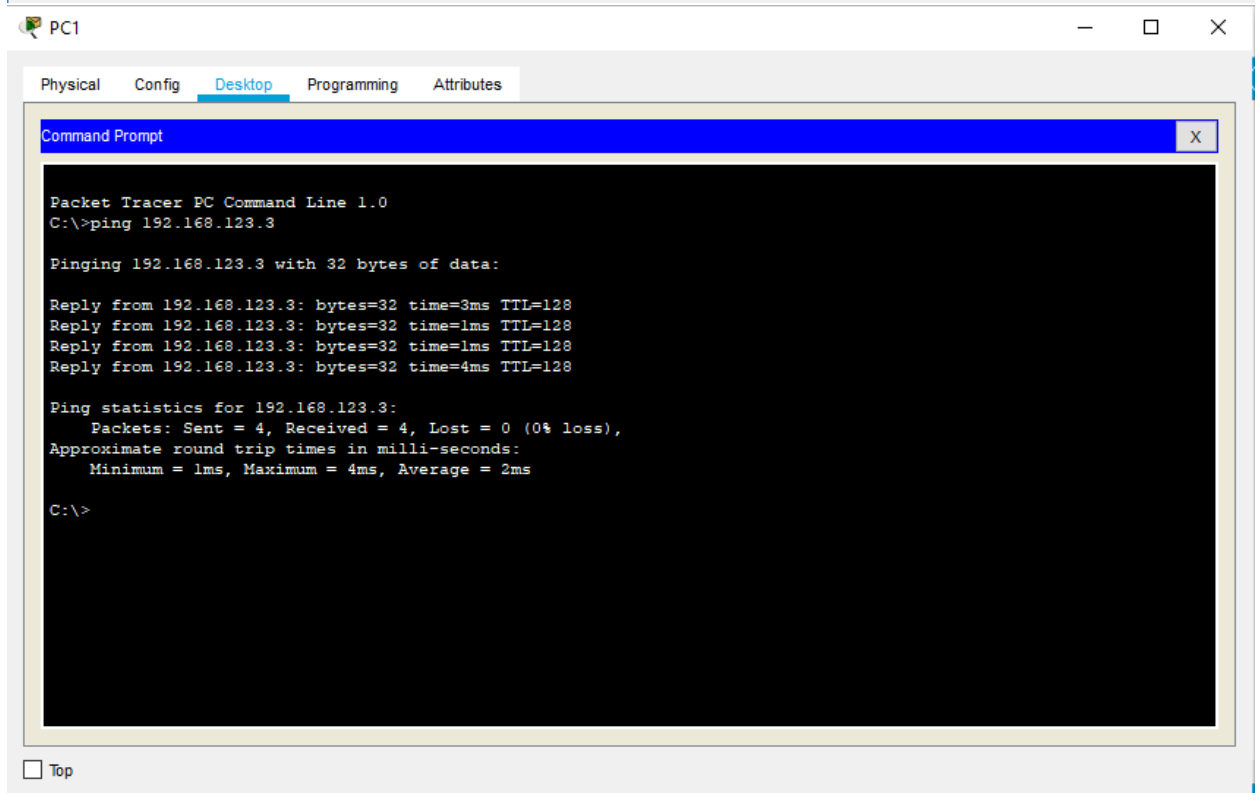
Pinging 192.168.123.2 with 32 bytes of data:

Reply from 192.168.123.2: bytes=32 time=9ms TTL=128
Reply from 192.168.123.2: bytes=32 time=2ms TTL=128
Reply from 192.168.123.2: bytes=32 time<1ms TTL=128
Reply from 192.168.123.2: bytes=32 time=3ms TTL=128

Ping statistics for 192.168.123.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 9ms, Average = 3ms

C:\>
```

☐ Top



PC1

Physical Config Desktop Programming Attributes

Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.123.3

Pinging 192.168.123.3 with 32 bytes of data:

Reply from 192.168.123.3: bytes=32 time=3ms TTL=128
Reply from 192.168.123.3: bytes=32 time=1ms TTL=128
Reply from 192.168.123.3: bytes=32 time=1ms TTL=128
Reply from 192.168.123.3: bytes=32 time=4ms TTL=128

Ping statistics for 192.168.123.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 4ms, Average = 2ms

C:\>
```

☐ Top

PC2

Physical Config **Desktop** Programming Attributes

Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.123.4

Pinging 192.168.123.4 with 32 bytes of data:

Reply from 192.168.123.4: bytes=32 time=4ms TTL=128
Reply from 192.168.123.4: bytes=32 time=2ms TTL=128
Reply from 192.168.123.4: bytes=32 time=4ms TTL=128
Reply from 192.168.123.4: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.123.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 4ms, Average = 2ms

C:\>
```

☐ Top

PC3

Physical Config **Desktop** Programming Attributes

Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.123.5

Pinging 192.168.123.5 with 32 bytes of data:

Reply from 192.168.123.5: bytes=32 time<1ms TTL=128
Reply from 192.168.123.5: bytes=32 time=5ms TTL=128
Reply from 192.168.123.5: bytes=32 time=3ms TTL=128
Reply from 192.168.123.5: bytes=32 time=2ms TTL=128

Ping statistics for 192.168.123.5:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 5ms, Average = 2ms

C:\>|
```

☐ Top

2. Praktikum 2 Membuat WEB SERVER

- a. pastikan rancangan sudah tersetting seperti kegiatan 1
- b. lalu masuk ke server0, config services pilih http. pastikan radio button pada service http pada pilihan On

Server0

Physical

Config

Services

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Programming

Attributes

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

VM Management

Radius EAP

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	index.html	(edit)	(delete)

New File

Import

Top

Server0

Physical

Config

Services

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SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

VM Management

Radius EAP

File Name: index.html

<html>
<center>Cisco Packet Tracer</center>
<hr>Robby Novianto
<p>Quick Links:

A small page

Copyrights

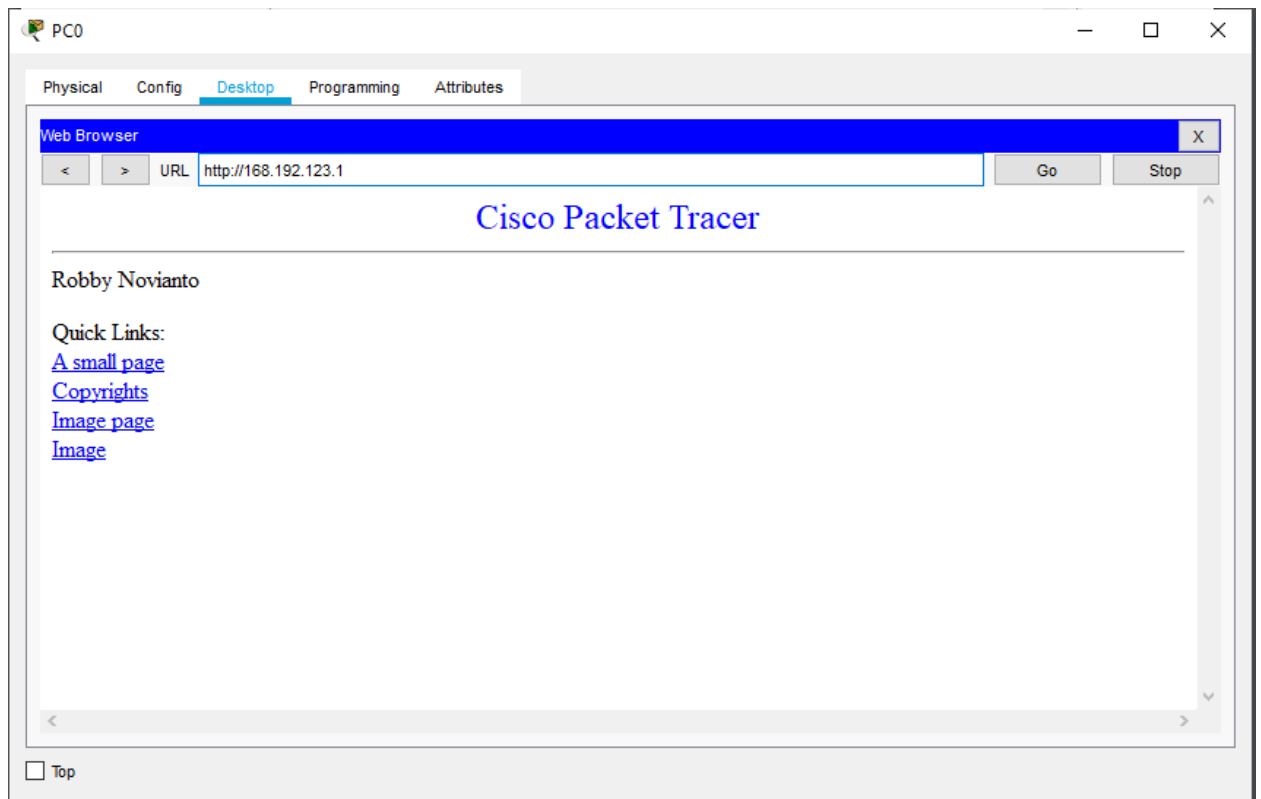
Image page

Image
</html>

File Manager

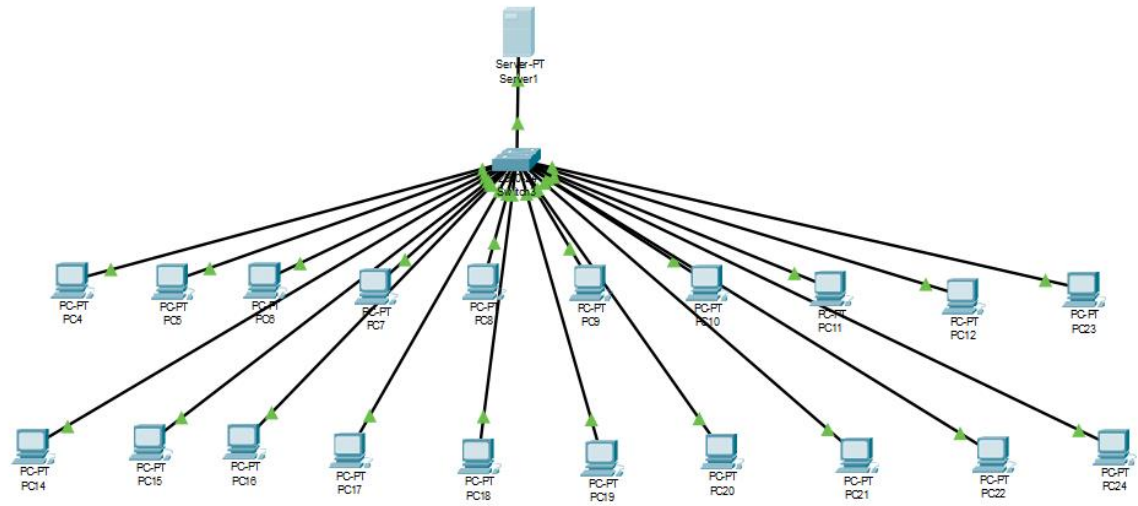
Save

Top



Tugas

1. Rancangan DHCP



Server1

PhysicalConfigServicesDesktopProgrammingAttributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

FastEthernet0

Port Status

☒ On

Bandwidth

☒ 100 Mbps☐ 10 Mbps

☒ Auto

Duplex

☐ Half Duplex☒ Full Duplex

☒ Auto

MAC Address0060.3E03.0BDC

IP Configuration

☐ DHCP

☒ Static

IP Address192.168.7.1

Subnet Mask255.255.255.0

IPv6 Configuration

☐ DHCP

☐ Auto Config

☒ Static

IPv6 Address

Link Local Address:FE80::260:3EFF:FE03:BDC

☐ Top

Server1

PhysicalConfigServicesDesktopProgrammingAttributes

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

VM Management

Radius EAP

DHCP

InterfaceFastEthernet0

Service☒ On☐ Off

Pool NameserverPool

Default Gateway0.0.0.0

DNS Server0.0.0.0

Start IP Address :19216870

Subnet Mask:2552552550

Maximum Number of Users :30

TFTP Server:0.0.0.0

WLC Address:0.0.0.0

Add

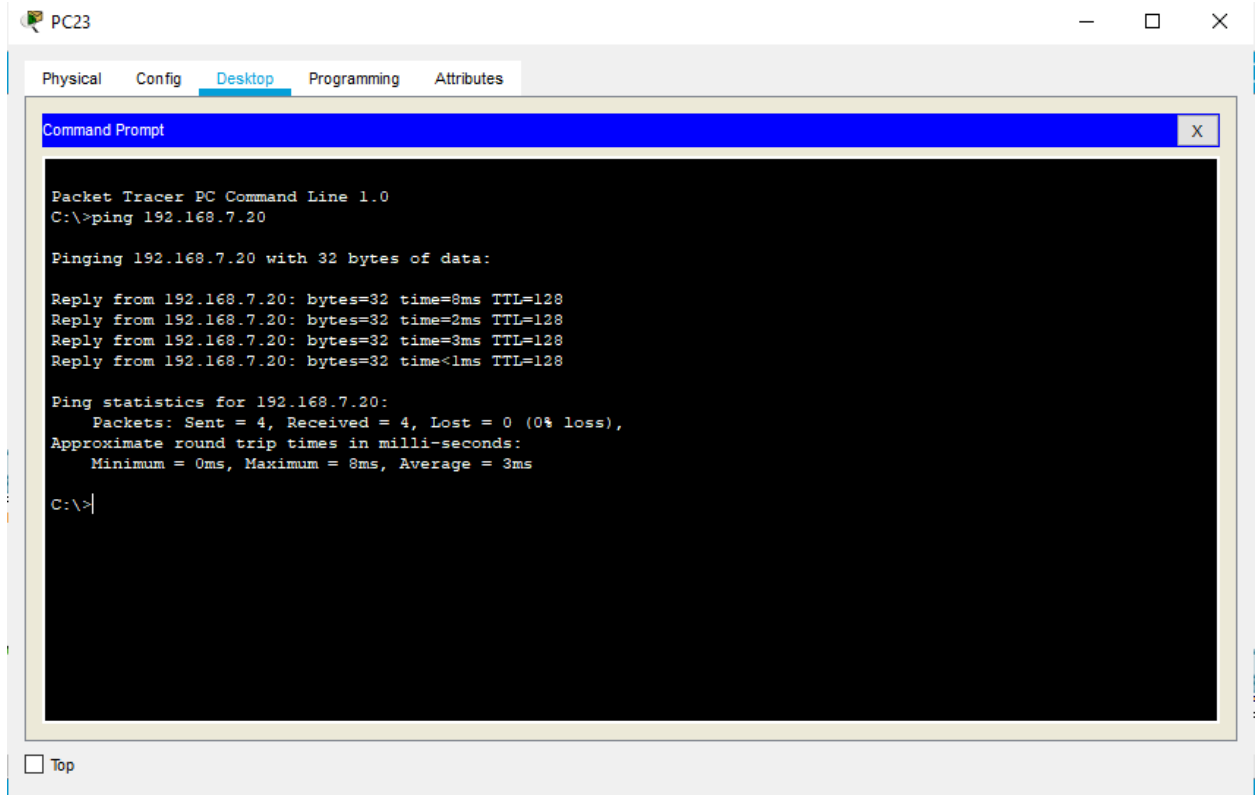
Save

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	192.168.7.0	255.255.255.0	255	0.0.0.0	0.0.0.0

< >

☐ Top



Server1

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SERVICES

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HTTP

HTTP

☒ On ☐ Off

HTTPS

☒ On ☐ Off

File Manager

	File Name	Edit	Delete
1	copyrights.html	(edit)	(delete)
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New File

Import

☐ Top

Server1

Physical

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SERVICES

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AAA

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EMAIL

FTP

IoT

VM Management

Radius EAP

File Name: index.html

```
<html>
<center><font size='+2' color='blue'>Cisco Packet Tracer</font></center>
<hr>Selamat Datang
<br>Nama : Robby Novianto
<br>NIM : L200180050
<br>Alamat : Ledok Demaan
<br>Jenis kelamin : Laki - laki
</html>
```

File Manager

Save

☐ Top

