

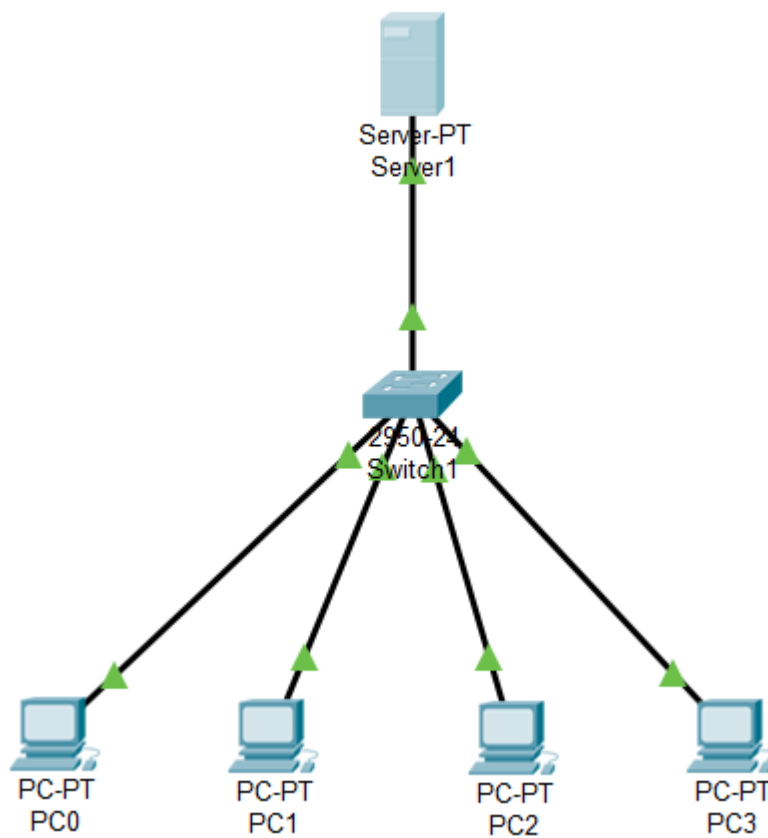
**Nama : Pawitro Purbangkoro**

**NIM : L200170045**

**Kelas : B**

## **MODUL 05**

1. Persiapkan simulasi server HTTP dalam contoh ini adalah dengan menggunakan 1 buah workstation dan 1 server yang terhubung langsung dengan kabel --- tipe cross ---. Berikut adalah simulasi server DHCP :



2. Konfigurasi IP Address server 192.168.123.1 subnet mask 255.255.255.0 di **PC0** :

Server1

Physical **Config** Services Desktop Programming Attributes

**GLOBAL**

Settings

Algorithm Settings

**INTERFACE**

FastEthernet0

FastEthernet0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 000C.855E.DD56

IP Configuration

☐ DHCP

☒ Static

IP Address 192.168.123.1

Subnet Mask 255.255.255.0

IPv6 Configuration

☐ DHCP

☐ Auto Config

☒ Static

IPv6 Address

Link Local Address: FE80::20C:85FF:FE5E:DD56

☐ Top

3. Service DHCP On. Pada start ip address 192.168.123.19, dan maximum number of users = 5.

Server1

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

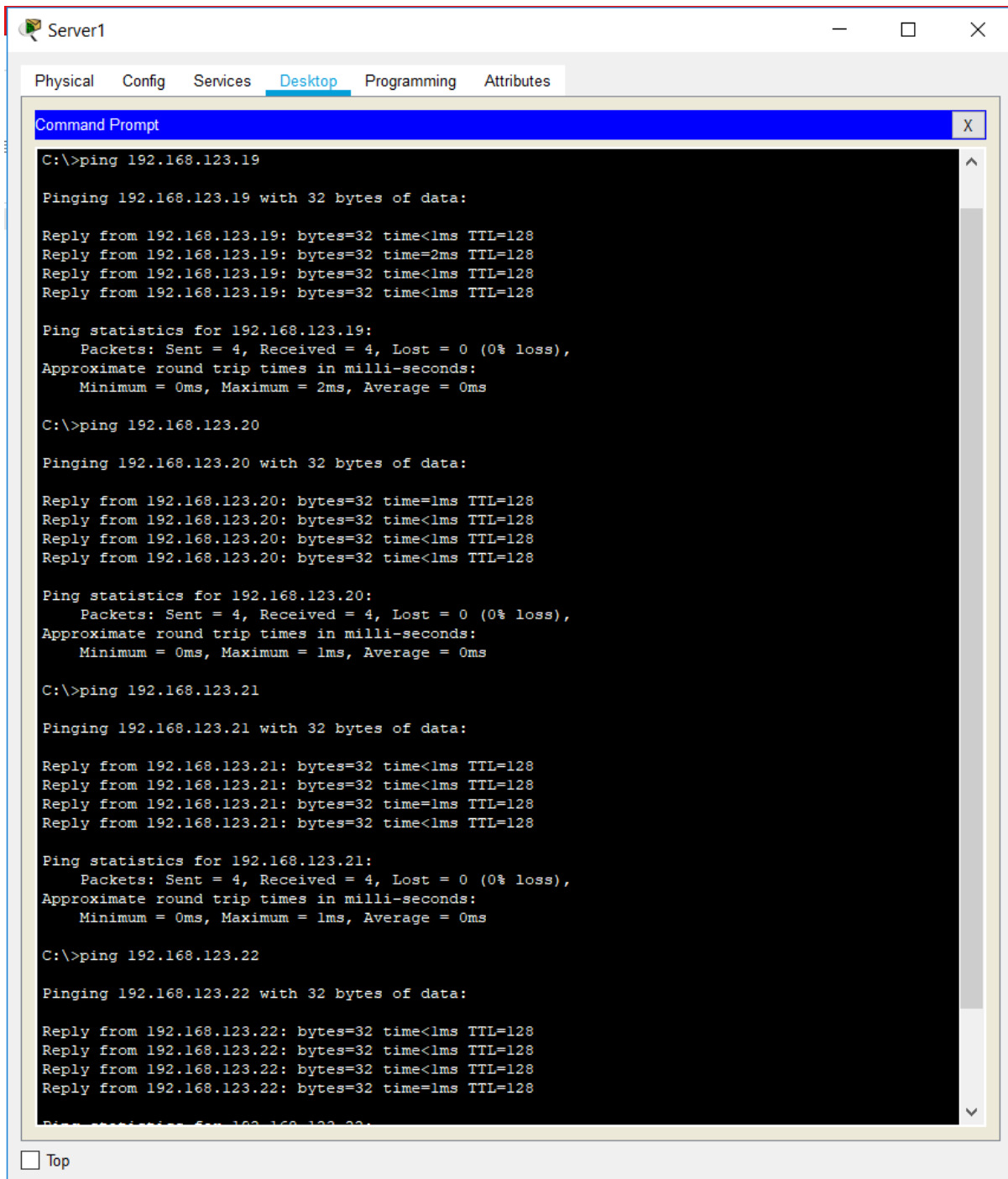
Save

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	192.168.1...	255.255.2...	5	0.0.0.0	0.0.0.0

☐ Top

Ping semua PC yang terhubung dengan server



The screenshot shows a window titled "Server1" with a tabbed interface. The "Desktop" tab is active, displaying a "Command Prompt" window. The Command Prompt shows the execution of four ping commands, each to a different IP address in the 192.168.123.x range. Each command is followed by four replies and a summary of ping statistics. The statistics for each IP show 4 packets sent, 4 received, 0% loss, and an average round trip time of 0ms.

```
C:\>ping 192.168.123.19

Pinging 192.168.123.19 with 32 bytes of data:

Reply from 192.168.123.19: bytes=32 time<1ms TTL=128
Reply from 192.168.123.19: bytes=32 time=2ms TTL=128
Reply from 192.168.123.19: bytes=32 time<1ms TTL=128
Reply from 192.168.123.19: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.123.19:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 2ms, Average = 0ms

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

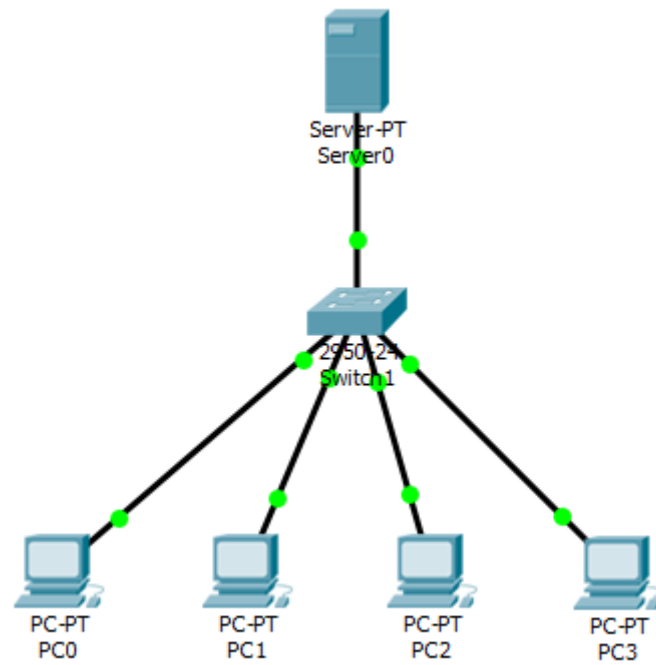
Pinging 192.168.123.22 with 32 bytes of data:

Reply from 192.168.123.22: bytes=32 time<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

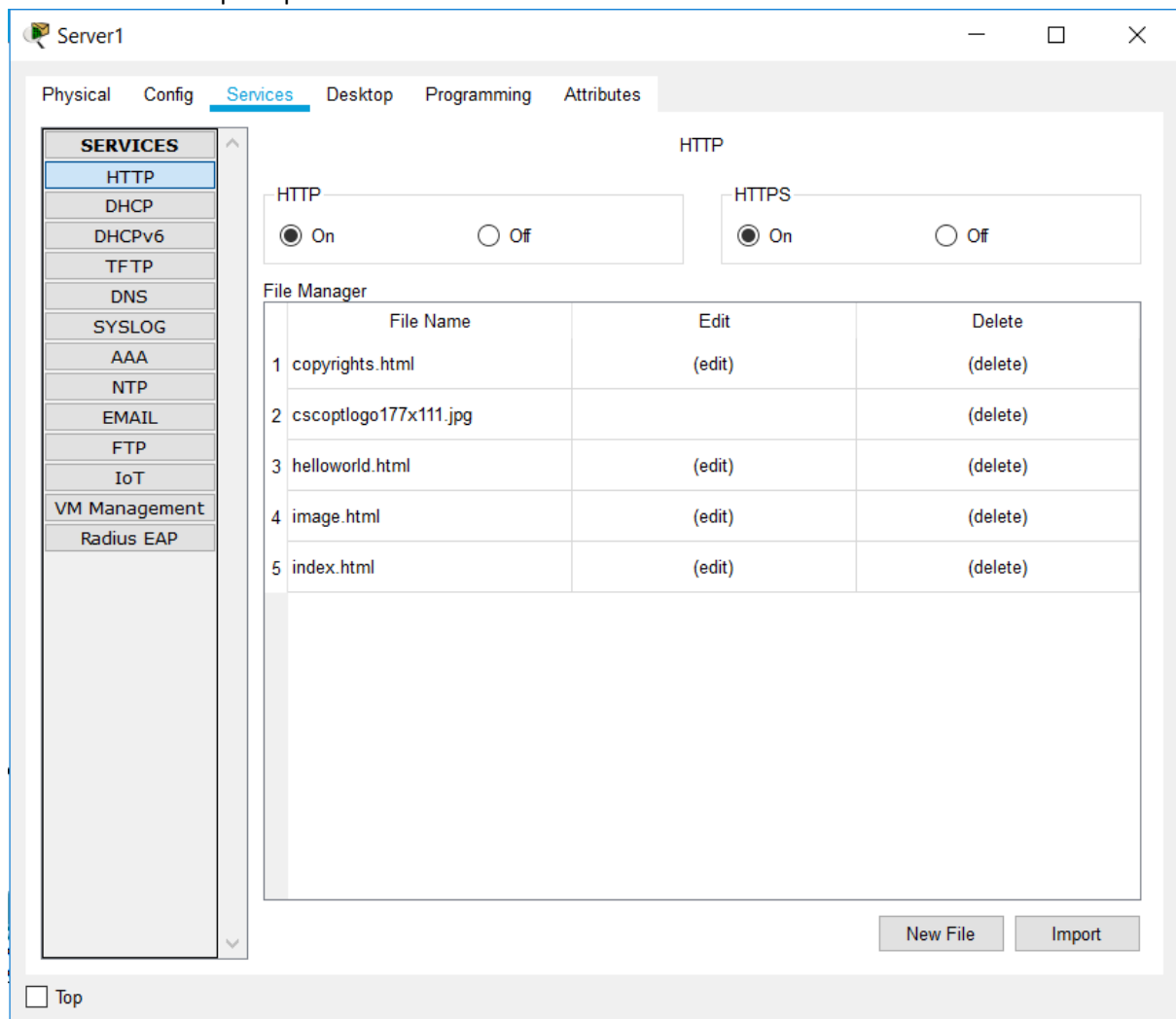
Ping statistics for 192.168.123.22:
```

☐ Top

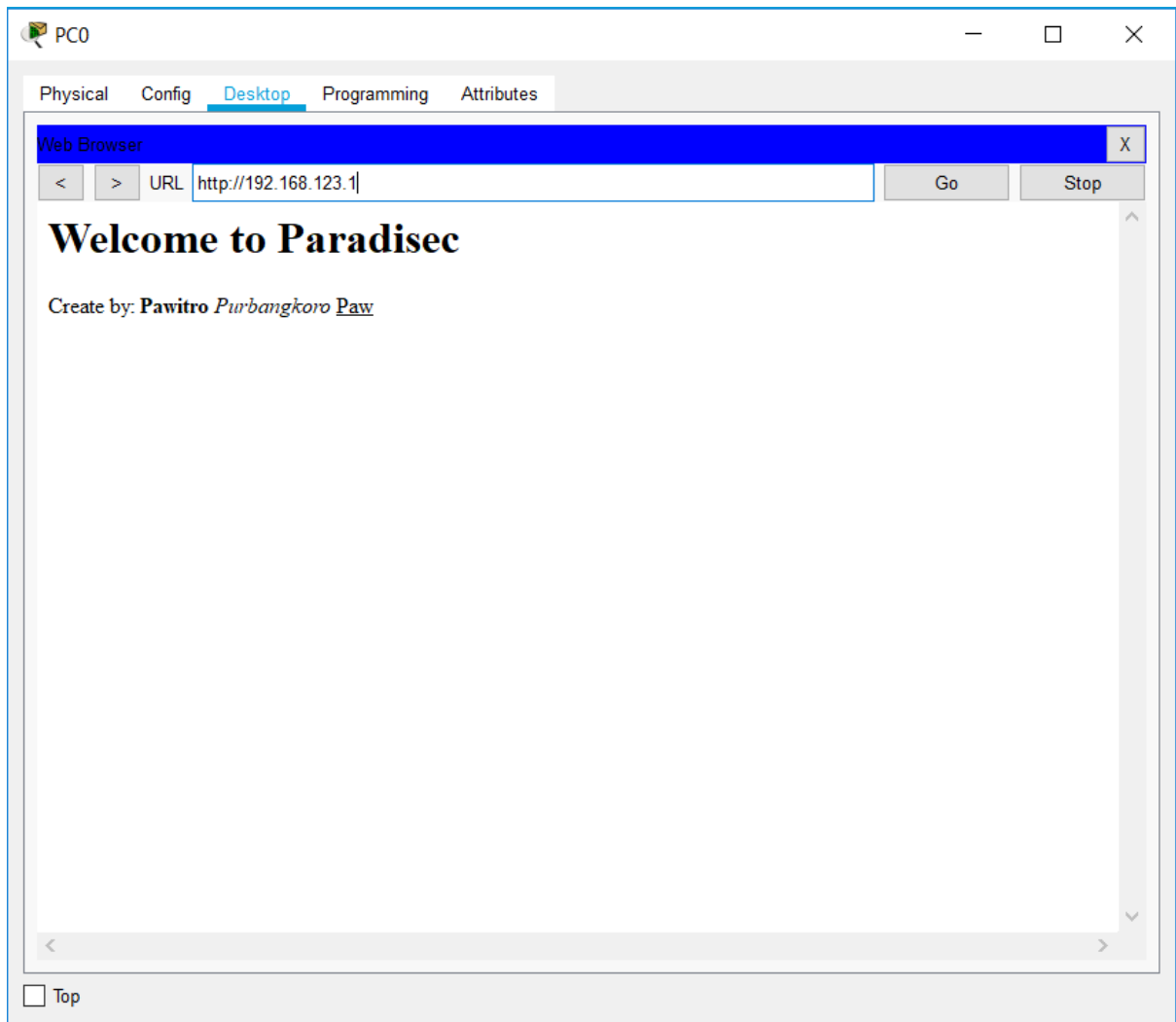
## Praktikum 2



1. Klik double-klik Server0, pilih Config. Pilih Service, kemudian HTTP. Pastikan radio button service HTTP pada pilihan ON

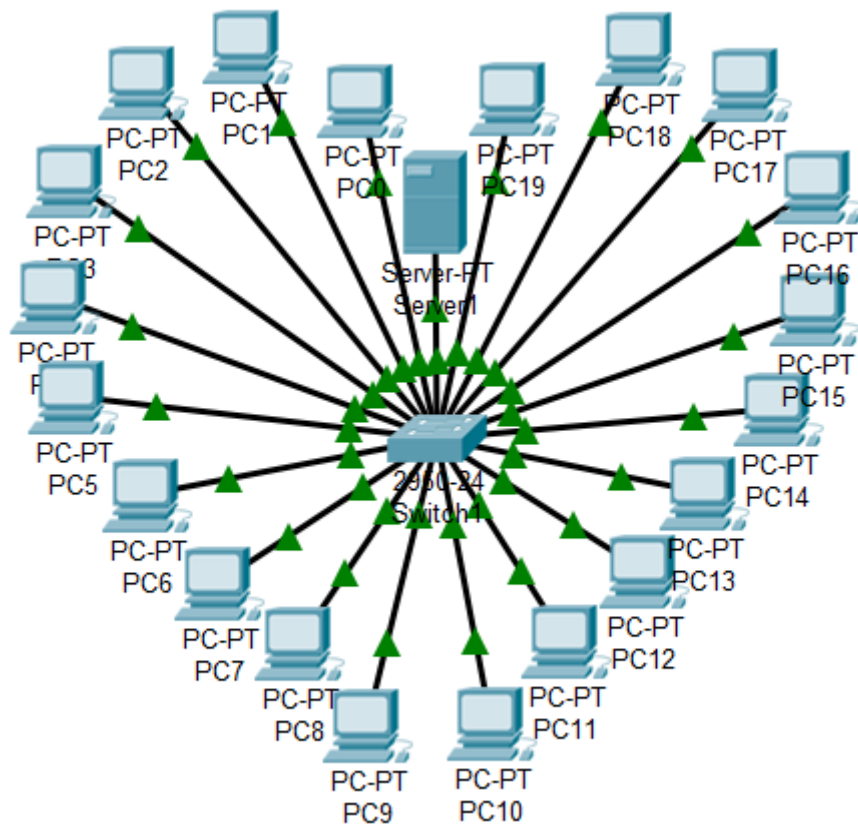


1. Double-klik PC0, pilih tab Desktop, pilih Web Browser. Ketikkan IP address Server HTTP(192.168.123.1) di field URL



## Tugas

1. Buatlah DHCP Server dengan Packet Tracer dengan client terdiri dari 20 pc, seperti pada gambar berikut:



- Lakukan seperti pada langkah-langkah sebelumnya
- Yang hanya diubah pada maximum number of user menjadi 20



Server1

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	192.168.1...	255.255.2...	5	0.0.0.0	0.0.0.0

☐ Top

- Setelah selesai konfigurasi, cek IP semua PC

PC0

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static

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::20C:85FF:FED5:1635

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

☐ Top

Sampai

PC19

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface: FastEthernet0

IP Configuration

☒ DHCP ☐ Static DHCP failed. APIPA is being used.

IP Address: 169.254.7.45

Subnet Mask: 255.255.0.0

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address: /

Link Local Address: FE80::2E0:B0FF:FE72:72D

IPv6 Gateway:

IPv6 DNS Server:

802.1X

☐ Use 802.1X Security

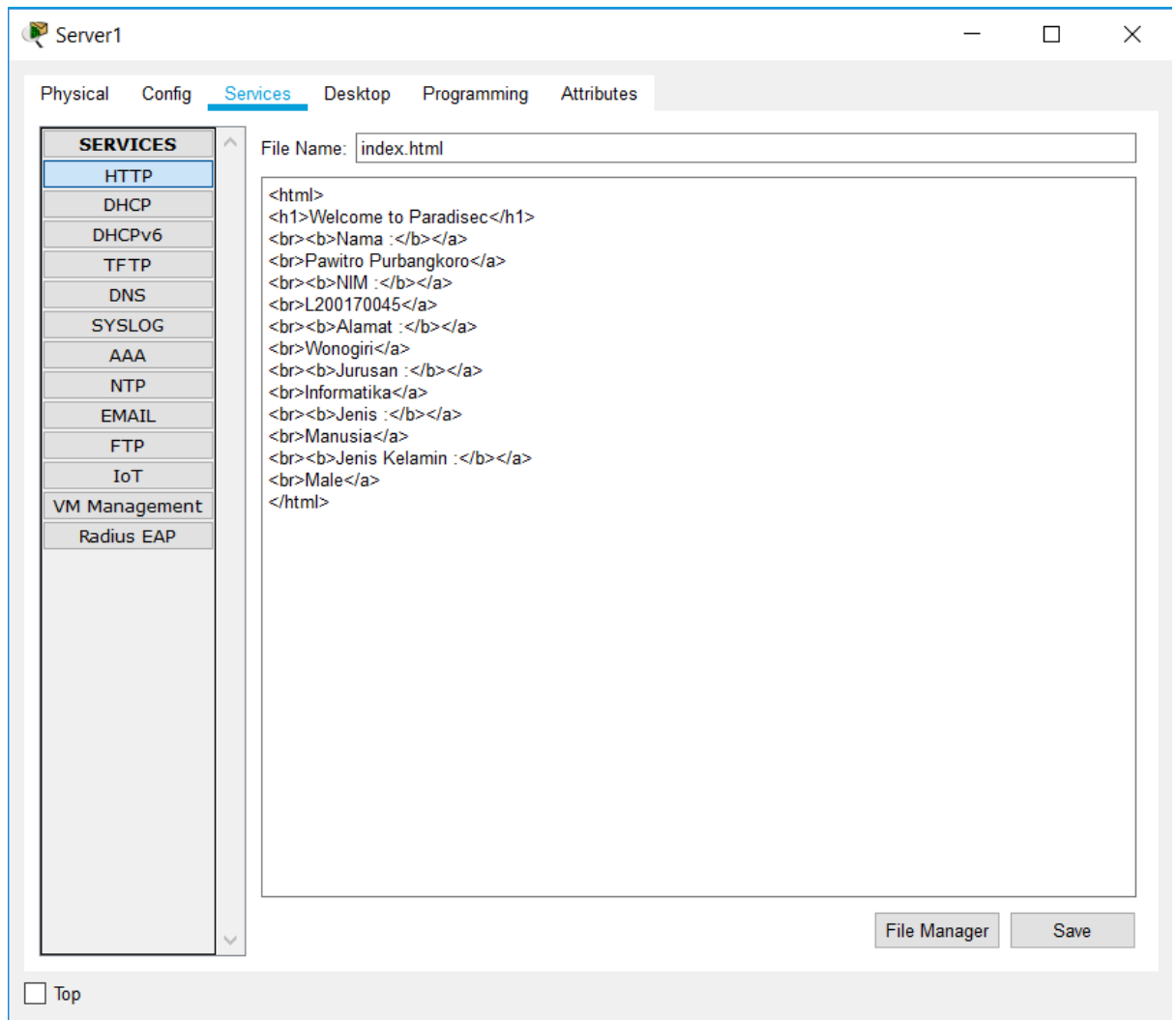
Authentication: MD5

Username:

Password:

☐ Top

2. Buatlah web server pada packet tracer. Dengan mengubah nama tampilan pada web tersebut. Dengan isi:



Buatlah web server pada packet tracer. Dengan mengubah nama tampilan pada web tersebut

