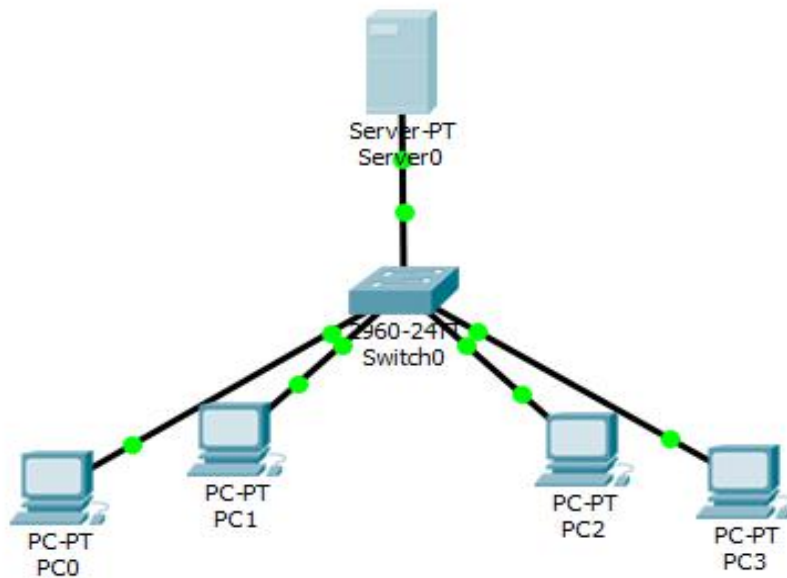


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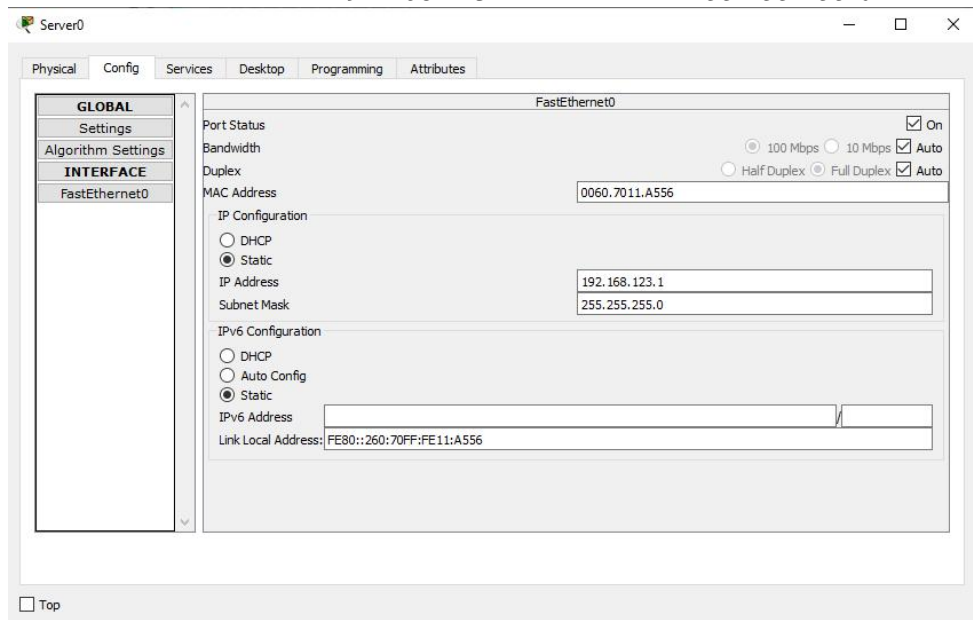
Modul 5 : DHCP SERVER DAN WEB SERVER

Kegiatan Praktikum

1. Praktikum 1 Membuat DHCP SERVER



- a. Isikan IP Address server 192.168.123.1 subnet mask 255.255.255.0



- b. Setelah itu pilih service, pilih DHCP, lalu ON-kan service. Kemudian isikan IP Address 192.168.123.19 dan maximum number of user = 5

The screenshot shows the 'Server0' configuration window with the 'Services' tab selected. The 'DHCP' service is configured for the 'FastEthernet0' interface. The 'Service' radio button is set to 'On'. The 'Pool Name' is 'serverPool'. The 'Default Gateway' is '0.0.0.0'. The 'DNS Server' is '0.0.0.0'. The 'Start IP Address' is '192.168.123.19'. The 'Subnet Mask' is '255.255.255.0'. The 'Maximum Number of Users' is '5'. The 'TFTP Server' is '0.0.0.0'. The 'WLC Address' is '0.0.0.0'. A table at the bottom lists the configuration details for the 'serverPool'.

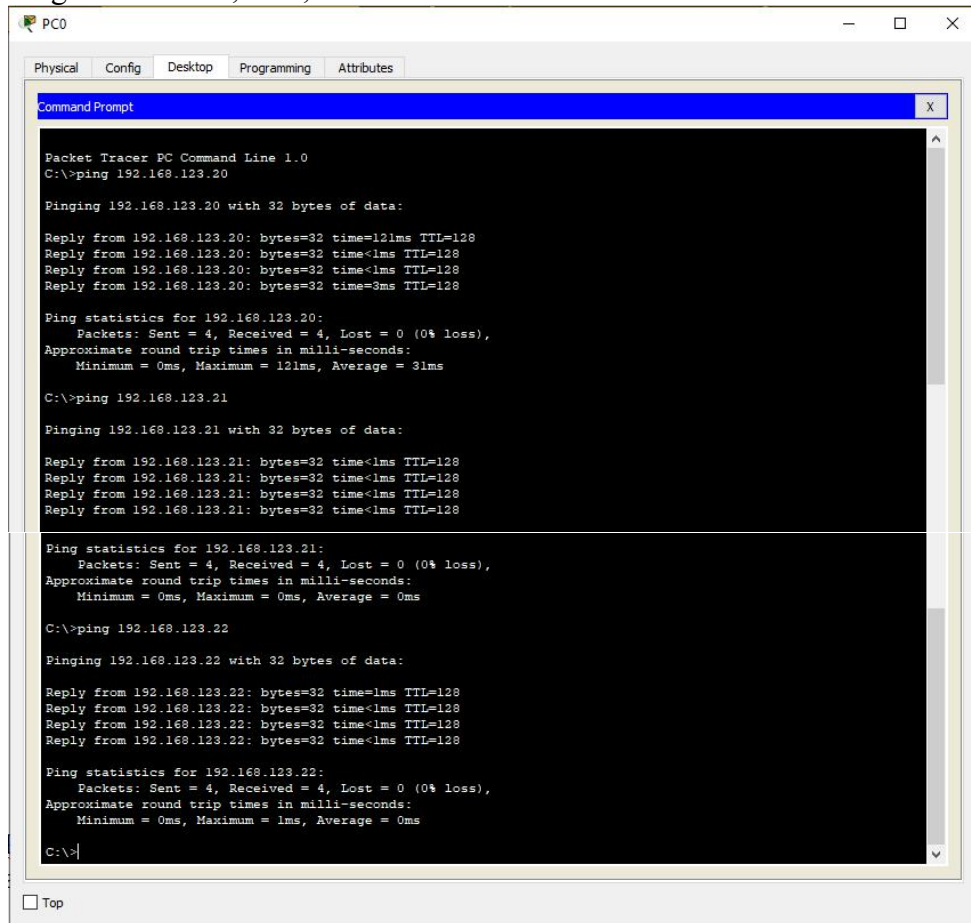
Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	0.0.0.0	0.0.0.0	192.168.123.19	255.255.255.0	5	0.0.0.0	0.0.0.0

- c. Pada sisi client konfigurasi dilakukan dengan cara sebagai berikut : double klik pada PC, pilih tab desktop pada menu yang ada, pilih menu IP Configuration
- d. Pastikan pilihan radio button pada pilihan DHCP. Seperti gambar
- e. Setelah konfigurasi selesai, silahkan cek IP pada PC tersebut. Hasil akhir bisa dilihat pada gambar

The screenshot shows the 'PC0' configuration window with the 'Desktop' tab selected. The 'IP Configuration' section is active. The 'DHCP' radio button is selected. The 'IP Address' is '192.168.123.19'. The 'Subnet Mask' is '255.255.255.0'. The 'Default Gateway' is '0.0.0.0'. The 'DNS Server' is '0.0.0.0'. The 'IPv6 Configuration' section is also visible, with the 'Static' radio button selected. The 'IPv6 Address' is 'FE80::2D0:D3FF:FE0C:DA73'. The 'Link Local Address' is 'FE80::2D0:D3FF:FE0C:DA73'. The 'IPv6 Gateway' is empty. The 'IPv6 DNS Server' is empty.

- f. Setelah selesai konfigurasi semua, ping ke semua PC yang terhubung dengan server DHCP

Ping PC0 ke PC1, PC2, dan PC3



```
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=121ms 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=3ms 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 = 121ms, Average = 31ms

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 = 0ms, Average = 0ms

C:\>ping 192.168.123.22

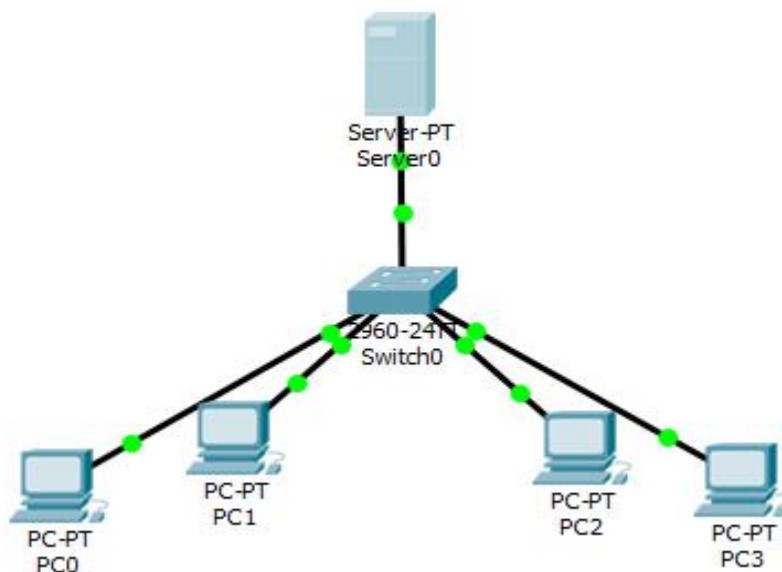
Pinging 192.168.123.22 with 32 bytes of data:

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

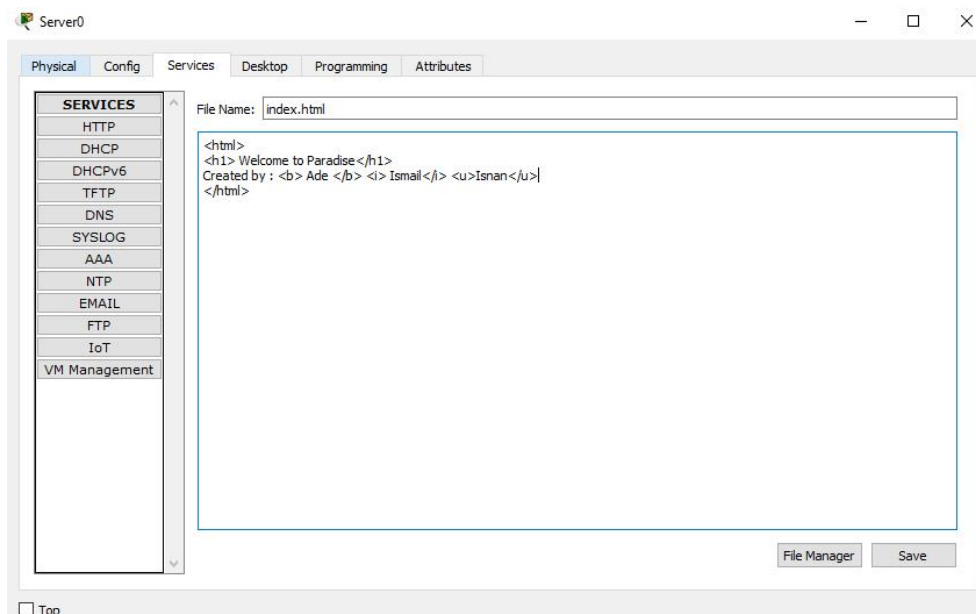
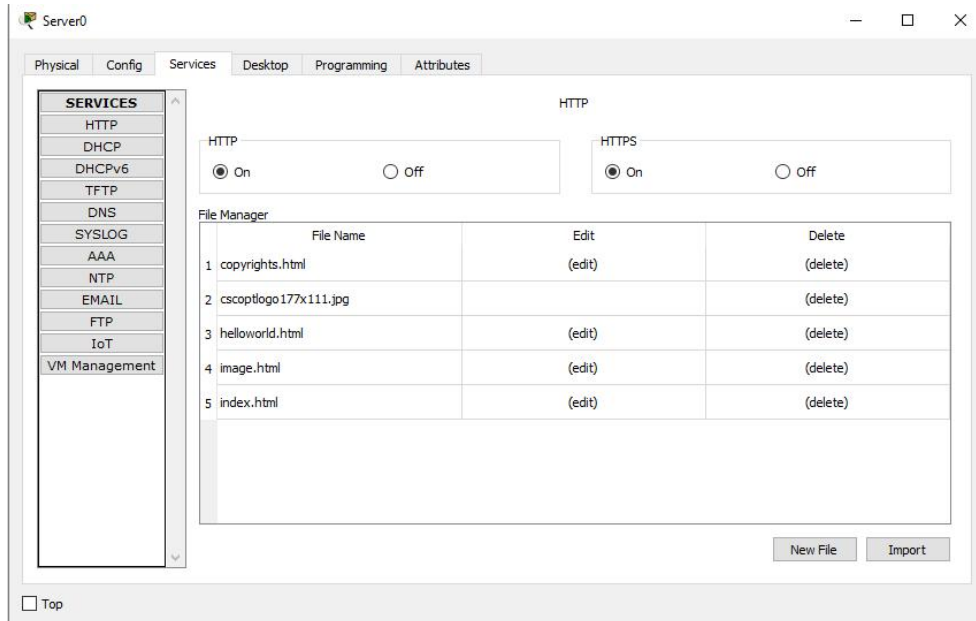
Ping statistics for 192.168.123.22:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
```

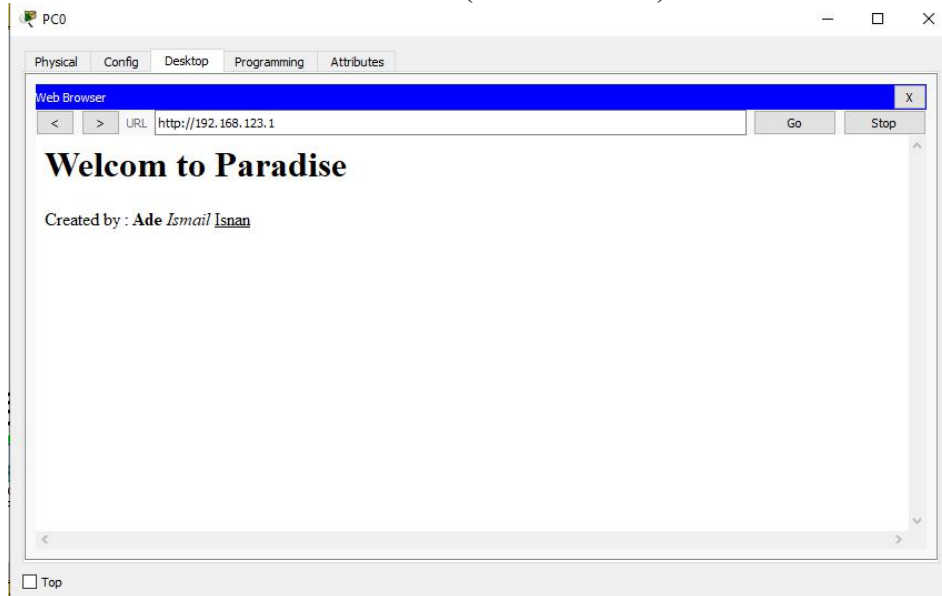
2. Praktikum 2 MEMBUAT WEB SERVER



- Lakukan IP Address pada PC0 seperti yang telah dijelaskan dibagian sebelumnya
- Lakukan konfigurasi IP Address pada Server0. langkah mengonfigurasi IP Address untuk tipe Server-PT pada Cisco Tracker sama dengan workstationnya (PC-PT)
- Double klik Server0 sehingga jendela properti Server0 muncul. Pindahkan ke tab config. Pada menu kiri bagian Services, pilih HTTP. Pastikan radio button service HTTP pada pilihan on. Anda juga bisa mengubah halaman homepage Server0, dengan cara mengubah script HTML yang ada sesuka anda.

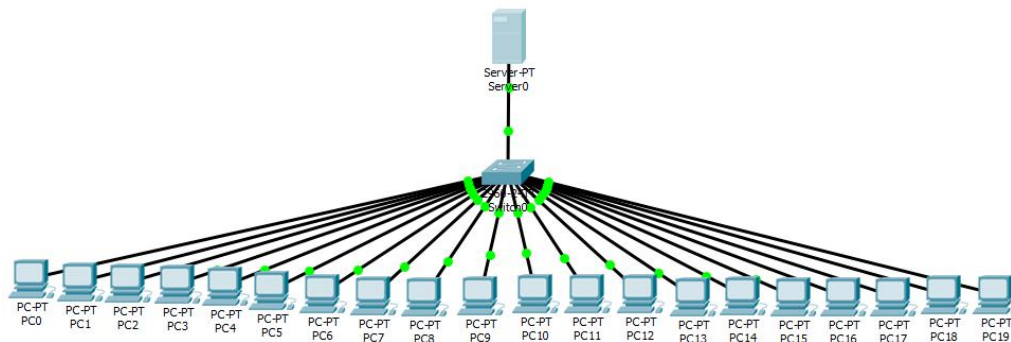


- d) Melakukan browsing http
Buka PC, lalu pergi ke web browser. Ketika web browser muncul, ketikkan IP Address Server0/Server HTTPm(192.168.123.1) di field URL.



Tugas

1. Buatlah DHCP server dengan packet tracker dengan client terdiri dari 20 PC



2. Buatlah web server pada tracker dengan mengubah tampilan pada web tersebut, dengan isi :
 - a. Nama
 - b. NIM
 - c. Alamat
 - d. Jurusan
 - e. Jenis
 - f. Jenis kelamin

