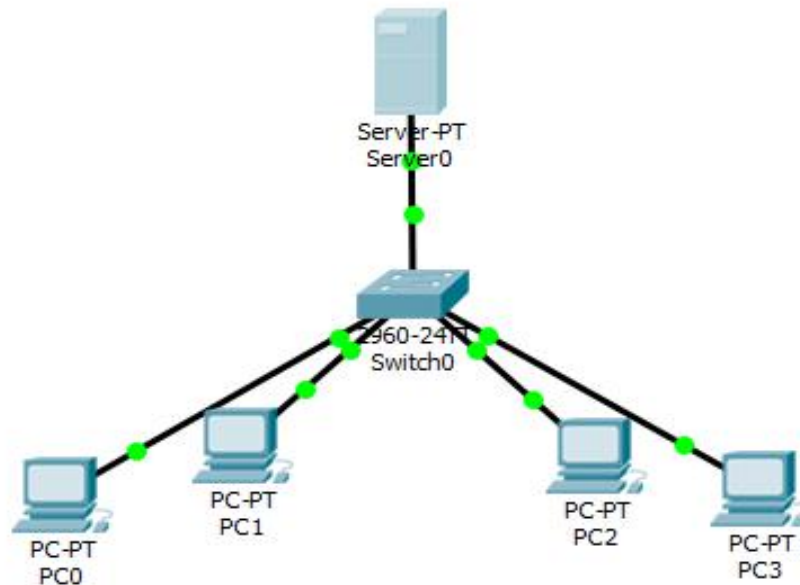


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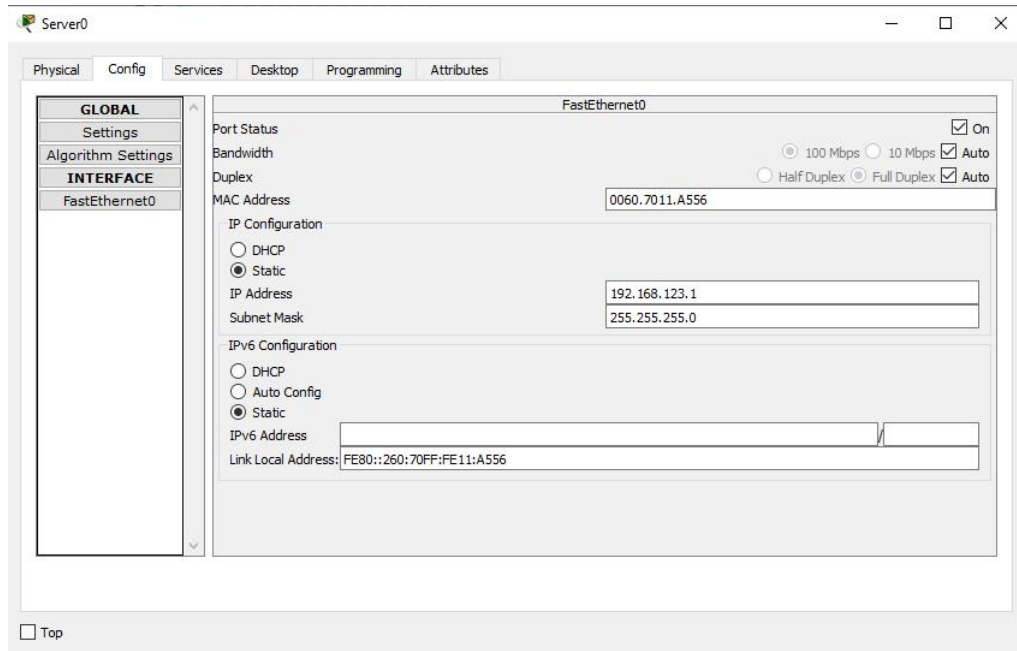
Modul 5 : DHCP SERVER DAN WEB SERVER

Kegiatan Praktikum

1. Praktikum 1 Membuat DHCP SERVER



Isikan IP Address server 192.168.123.1 subnet mask 255.255.255.0



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

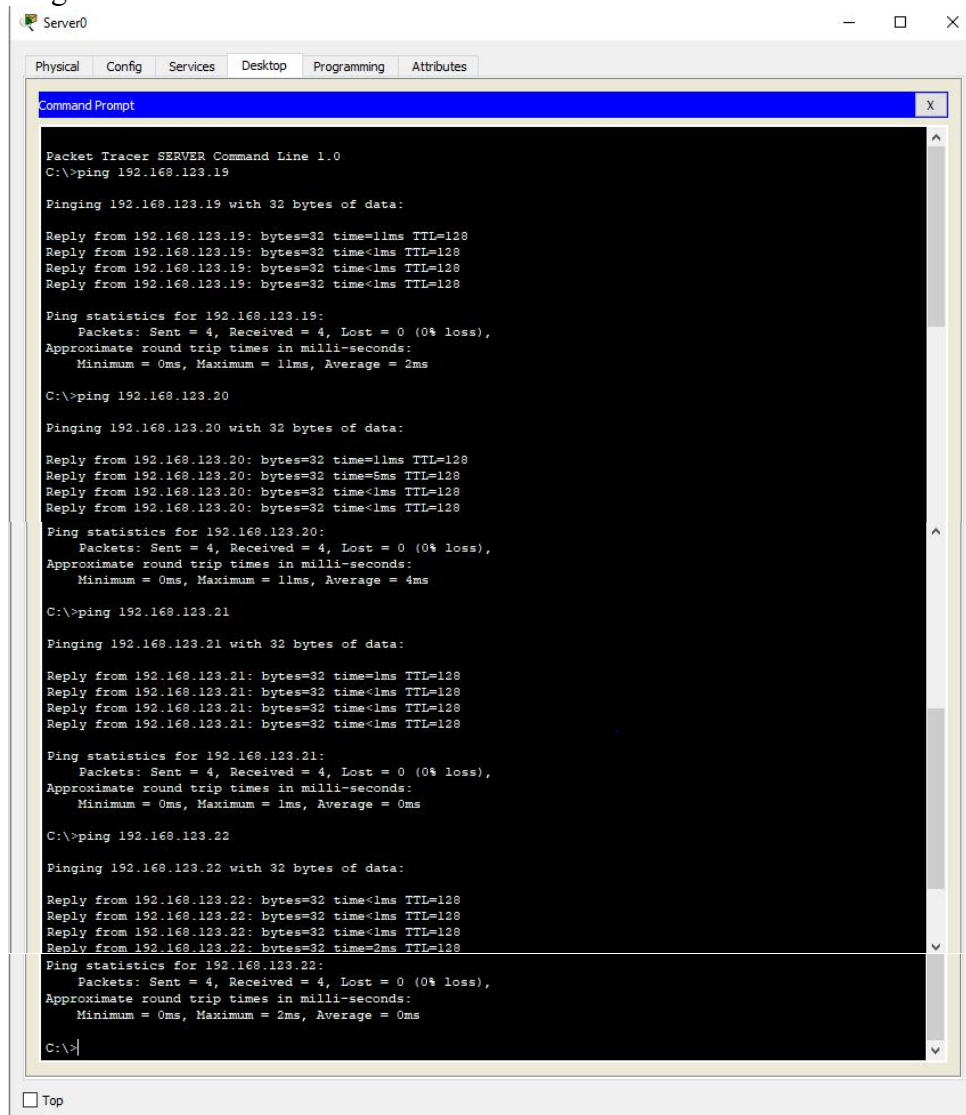
The screenshot shows the 'Server0' configuration window with the 'Services' tab selected. On the left, a list of services includes HTTP, DHCP, DHCPv6, TFTP, DNS, SYSLOG, AAA, NTP, EMAIL, FTP, IoT, and VM Management. The 'DHCP' service is selected and its configuration is shown on the right. The 'Interface' is set to 'FastEthernet0' and the 'Service' is turned 'On'. The 'Pool Name' is 'serverPool'. The 'Default Gateway' and 'DNS Server' are both '0.0.0.0'. The 'Start IP Address' is '192', '168', '123', '19' and the 'Subnet Mask' is '255', '255', '255', '0'. The 'Maximum Number of Users' is '5'. The 'TFTP Server' and 'WLC Address' are both '0.0.0.0'. Below the configuration fields is a table with the following data:

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...	255.255.255.0	5	0.0.0.0	0.0.0.0

Konfigurasi PC, pastikan pada pilihan DHCP

The screenshot shows the 'PC0' configuration window with the 'Config' tab selected. The 'IP Configuration' sub-tab is active. Under 'IP Configuration', the 'DHCP' radio button is selected, and the 'Static' radio button is unselected. The 'IP Address' is '192.168.123.19', the 'Subnet Mask' is '255.255.255.0', the 'Default Gateway' is '0.0.0.0', and the 'DNS Server' is '0.0.0.0'. A message 'DHCP request successful.' is displayed. Under 'IPv6 Configuration', the 'Static' radio button is selected, and the 'Auto Config' radio button is unselected. The 'IPv6 Address' is empty, the 'Link Local Address' is 'FE80::2D0:D3FF:FE0C:DA73', the 'IPv6 Gateway' is empty, and the 'IPv6 DNS Server' is empty.

Ping ke semua PC yang terhubung dengan server DHCP
Ping dari server ke semua PC



```
Packet Tracer SERVER Command Line 1.0
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=11ms 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
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 = 11ms, Average = 2ms

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=11ms TTL=128
Reply from 192.168.123.20: bytes=32 time=5ms 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 = 11ms, Average = 4ms

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

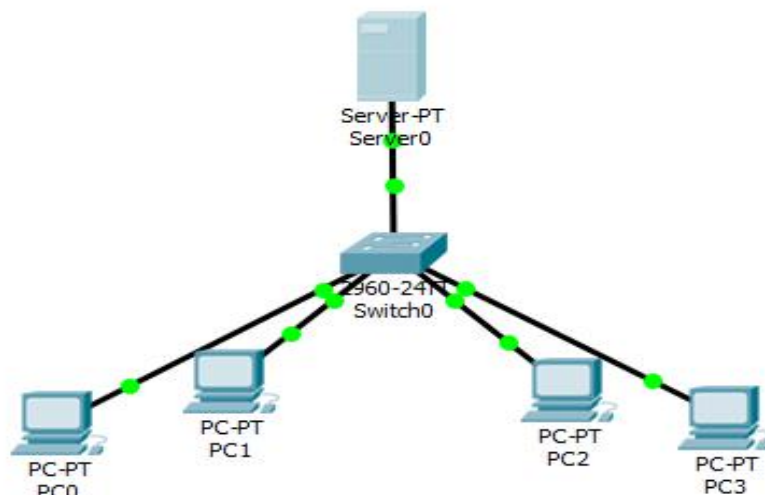
Pinging 192.168.123.22 with 32 bytes of data:

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=2ms 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 = 2ms, Average = 0ms

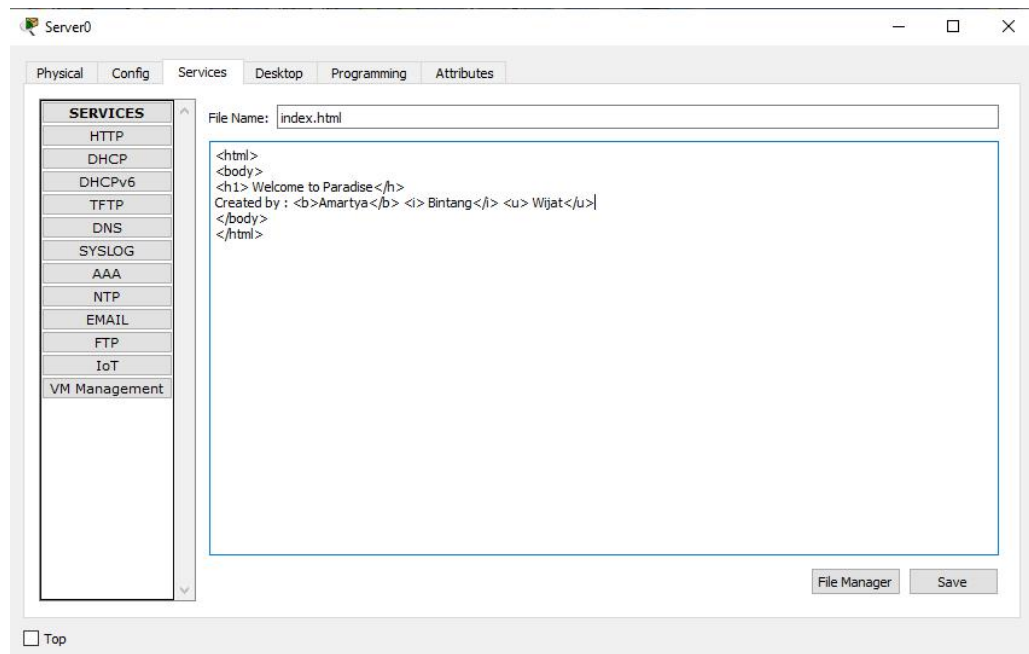
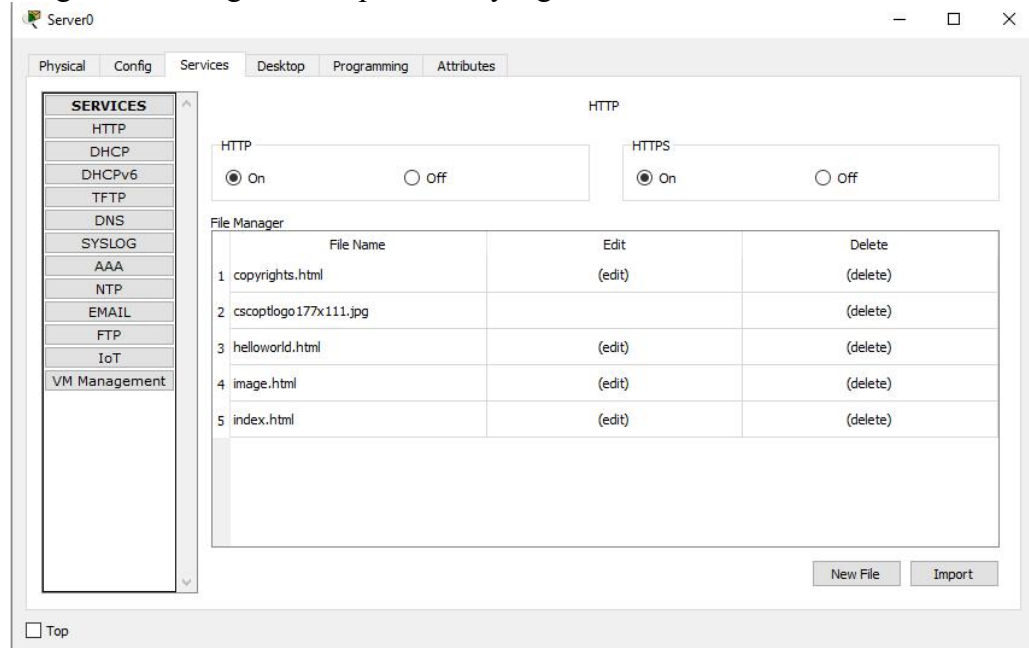
C:\>
```

2. Praktikum 2 MEMBUAT WEB SERVER

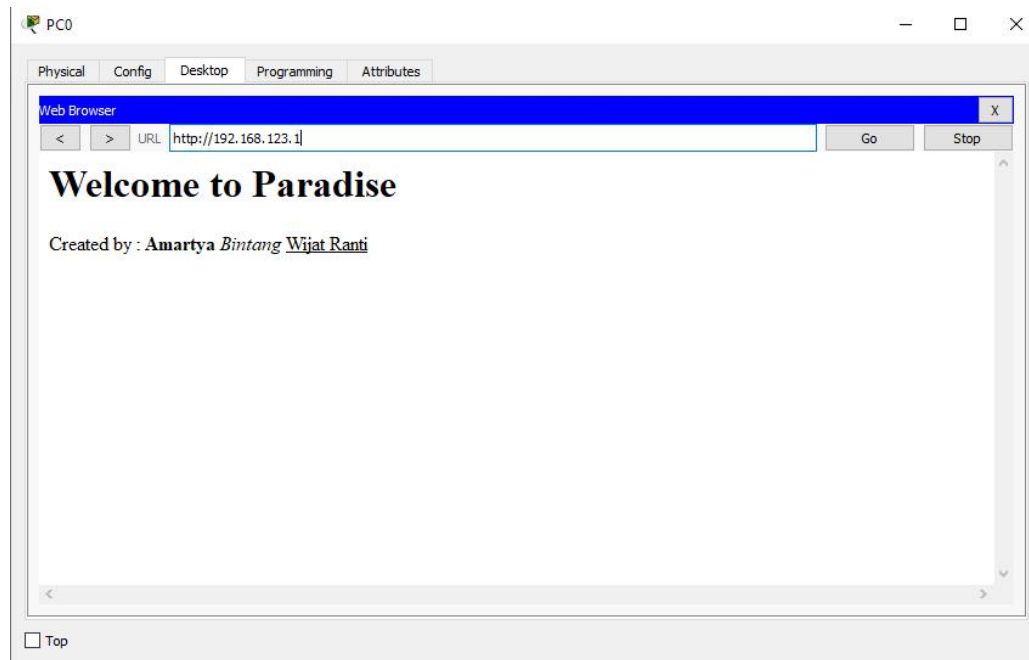


Lakukan konfigurasi IP Address pada PC seperti yang telah dijelaskan dibagian sebelumnya (kegiatan 1 modul 5).

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.

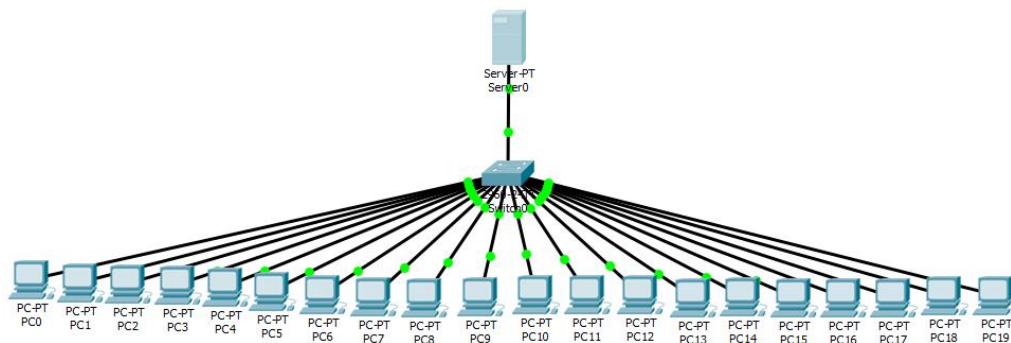


Melakukan browsing http : buka PC, lalu pergi ke web browser. Ketika web browser muncul, ketikkan IP Address Server0/Server HTTPm(192.168.123.1) di field URL.



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

