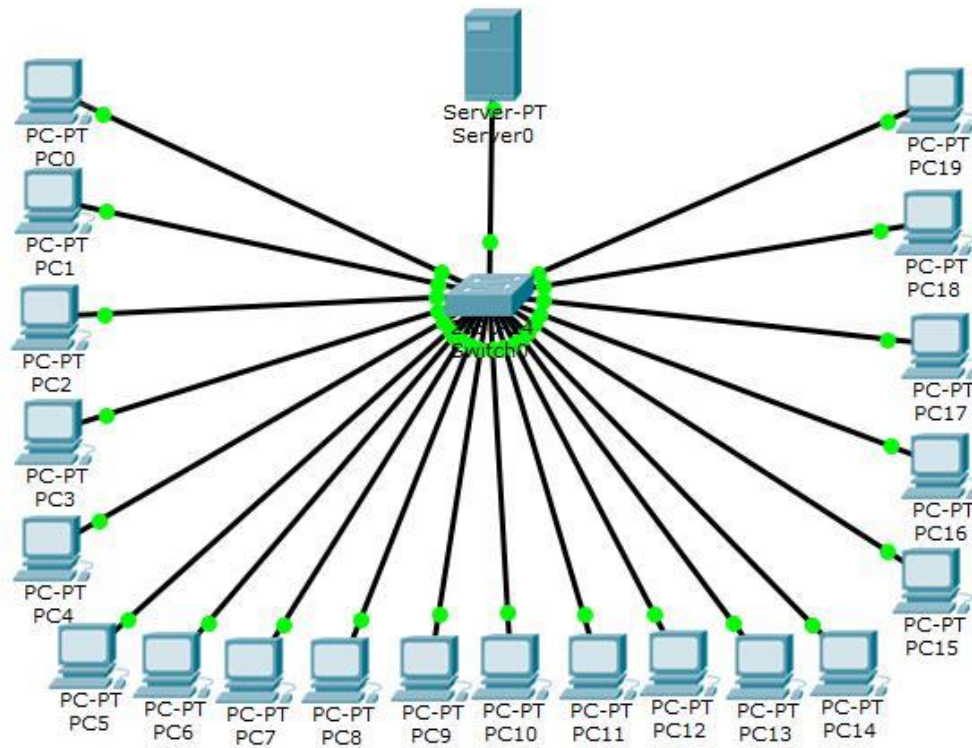


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**NIM : L200183094**  
**KELAS : X**

## **Tugas Modul 5**

1. Create a DHCP server by using 20 pc, 1 switch, and 1 server. Like the picture below picture:



## 2. Filling Server IP Address 0

The screenshot shows the 'Config' tab for 'FastEthernet0' in the 'Server0' window. The 'Port Status' is 'On'. 'Bandwidth' is set to '100 Mbps'. 'Duplex' is set to 'Full Duplex'. The 'MAC Address' is '00D0.BA2D.CC72'. Under 'IP Configuration', 'Static' is selected. The 'IP Address' is '192.168.123.1' and the 'Subnet Mask' is '255.255.255.0'. Under 'IPv6 Configuration', 'Static' is selected. The 'IPv6 Address' is empty, and the 'Link Local Address' is 'FE80::2D0:BAFF:FE2D:CC72'.

Physical Config Services Desktop Attributes Software/Services

GLOBAL  
Settings  
Algorithm Settings  
INTERFACE  
FastEthernet0

FastEthernet0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 00D0.BA2D.CC72

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::2D0:BAFF:FE2D:CC72

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## 3. Configure the DHCP server and fill in the IP Address given by the client PC

The screenshot shows the 'Services' tab for 'DHCP' in the 'Server0' window. The 'Interface' is 'FastEthernet0' and the 'Service' is '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 '192.168.123.2' and the 'Subnet Mask' is '255.255.255.0'. The 'Maximum number of Users' is '5'. The 'TFTP Server' is '0.0.0.0'. There are 'Add', 'Save', and 'Remove' buttons. Below is a table showing the configuration for the 'serverPool'.

Physical Config Services Desktop Attributes Software/Services

SERVICES  
HTTP  
DHCP  
DHCPv6  
TFTP  
DNS  
SYSLOG  
AAA  
NTP  
EMAIL  
FTP  
IoE  
VM Management

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 2

Subnet Mask: 255 255 255 0

Maximum number of Users : 5

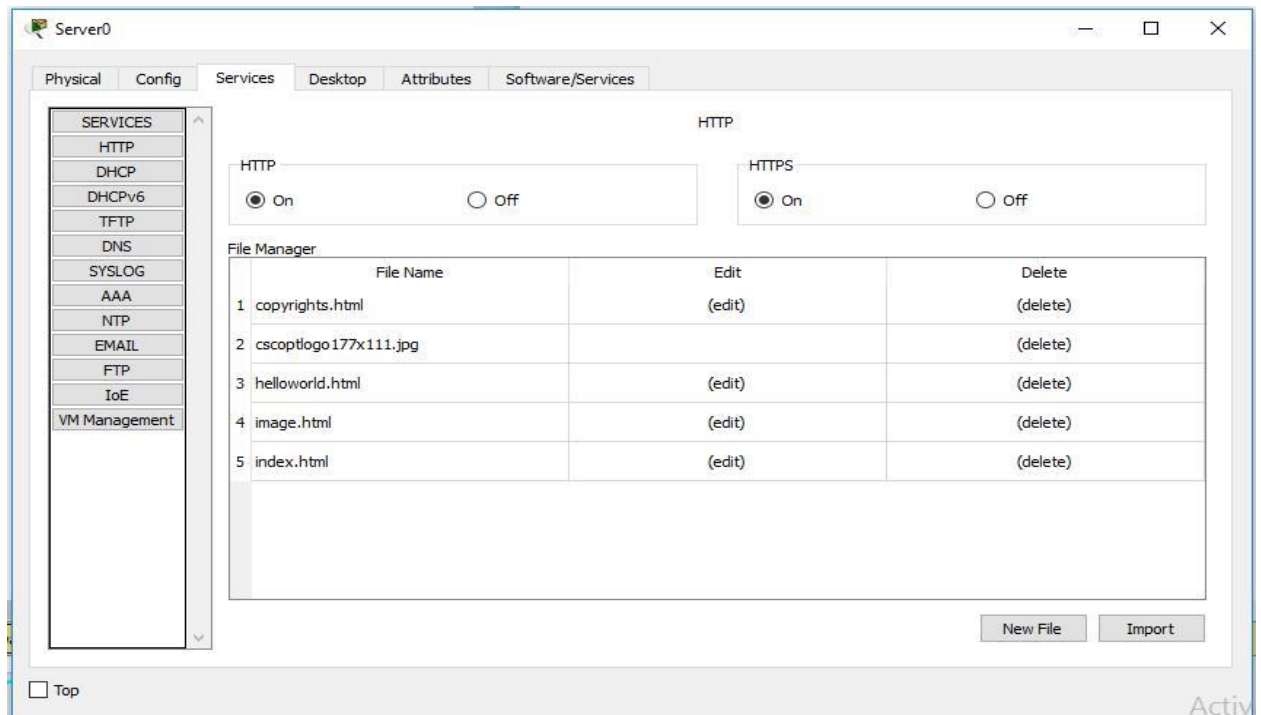
TFTP Server: 0.0.0.0

Add Save Remove

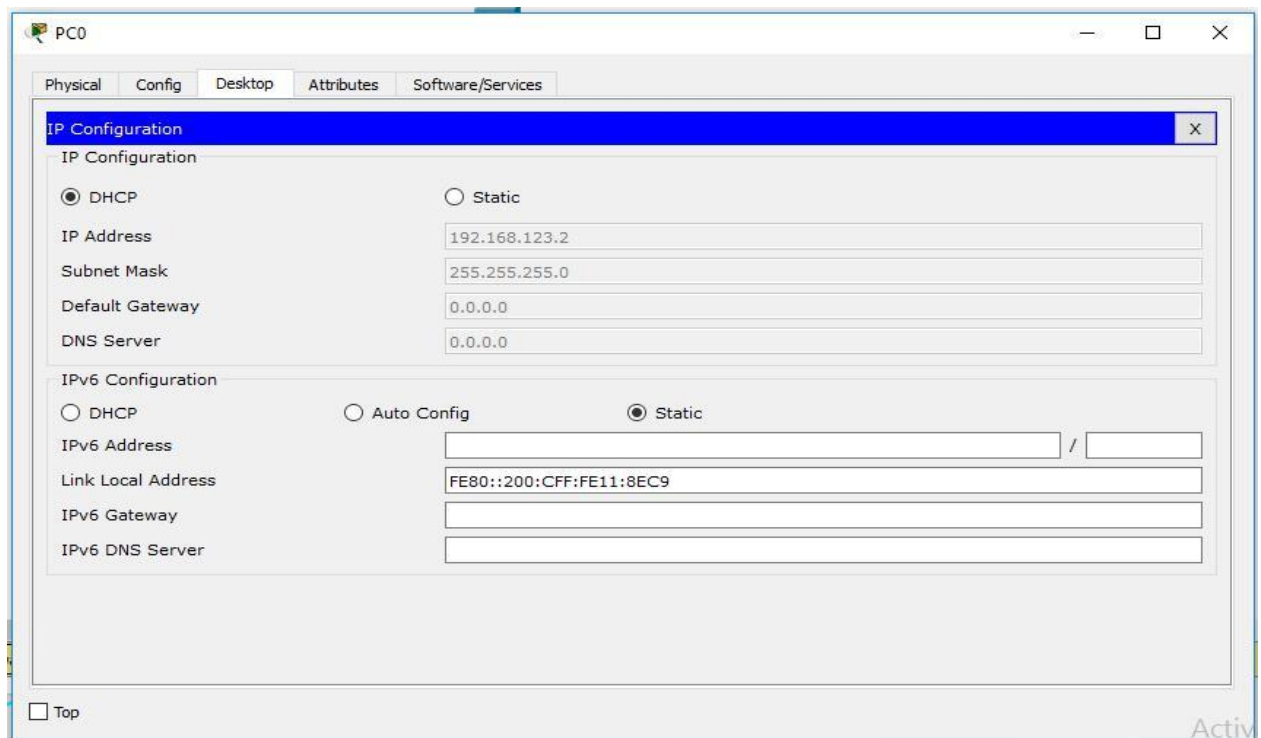
| Pool Name  | Default Gateway | DNS Server | Start IP Address | Subnet Mask   | Max User | TFTP Server |
|------------|-----------------|------------|------------------|---------------|----------|-------------|
| serverPool | 0.0.0.0         | 0.0.0.0    | 192.168.123.2    | 255.255.255.0 | 5        | 0.0.0.0     |

☐ Top

4. Activate HTTP on server0 by clicking on the radio button "On"



5. Configuration on the client side, on PC0
6. Select the DHCP option, and check whether the IP Address is as appropriate as the image in the module



7. Following is the appearance of the web browser on PC0-:

