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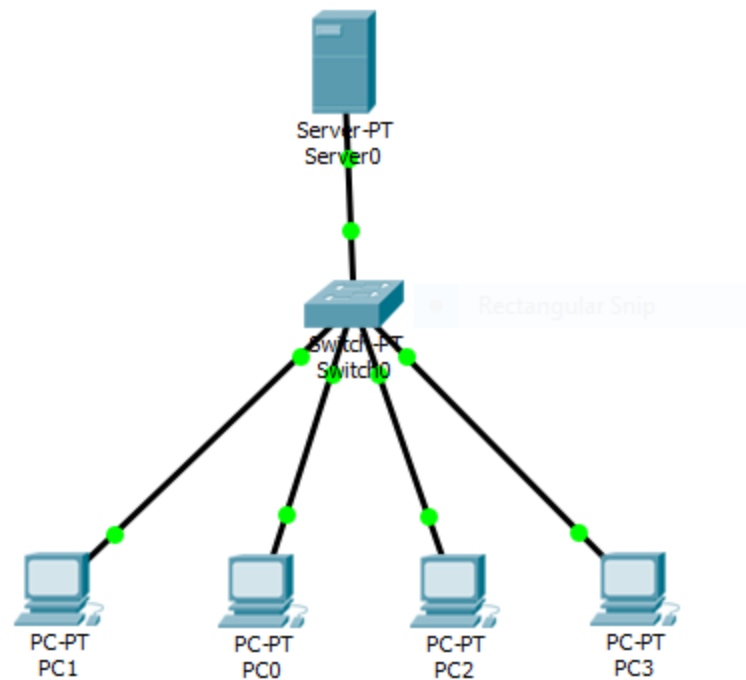
Class : X

Practice for Modul 5

Practicum 1

Make a DHCP Server

- Creating a DHCP server using 5 workstations, 1 switch, and 1 the server. Like the picture below picture:



- Filling Server IP Address 0

The screenshot shows the configuration window for Server2, specifically the 'Config' tab. The left sidebar shows a tree view with 'GLOBAL' and 'INTERFACE' sections. Under 'INTERFACE', 'FastEthernet0' is selected. The main area displays the configuration for 'FastEthernet0'. The 'Port Status' is 'On'. The 'Bandwidth' is set to '100 Mbps'. The 'Duplex' is set to 'Full Duplex'. The 'MAC Address' is '0001.C7E1.6974'. The 'IP Configuration' is set to 'Static'. The 'IP Address' is '192.168.123.2' and the 'Subnet Mask' is '255.255.255.0'. The 'IPv6 Configuration' is set to 'Static'. The 'IPv6 Address' is empty, and the 'Link Local Address' is 'FE80::201:C7FF:FEE1:6974'.

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 0001.C7E1.6974

IP Configuration

☐ DHCP

☒ Static

IP Address 192.168.123.2

Subnet Mask 255.255.255.0

IPv6 Configuration

☐ DHCP

☐ Auto Config

☒ Static

IPv6 Address

Link Local Address: FE80::201:C7FF:FEE1:6974

☐ Top

- Configure the DHCP server and fill in the IP Address given by the PC client

The screenshot shows the configuration window for Server1, specifically the 'Services' tab. The left sidebar shows a tree view with 'SERVICES' and 'VM Management' sections. Under 'SERVICES', 'DHCP' is selected. The main area displays the configuration for 'DHCP'. The 'Interface' is 'FastEthernet0'. 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 '192.168.123.19' and the 'Subnet Mask' is '255.255.255.0'. The 'Maximum Number of Users' is '5'. The 'TFTP Server' is '0.0.0.0' and the 'WLC Address' is '0.0.0.0'. There are 'Add', 'Save', and 'Remove' buttons. Below the form is a table showing the configuration for the 'serverPool'.

Physical Config Services Desktop Programming Attributes

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

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 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	192.168.123...	255.255.255.0	5	0.0.0.0	0.0.0.0

☐ Top

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

The screenshot shows a window titled "PC8" with a red title bar. Inside, there are tabs for "Physical", "Config", "Desktop", "Programming", and "Attributes". The "Config" tab is active, and a sub-tab "IP Configuration" is selected, highlighted in blue. Below this, there are two main sections: "IP Configuration" and "IPv6 Configuration".

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:

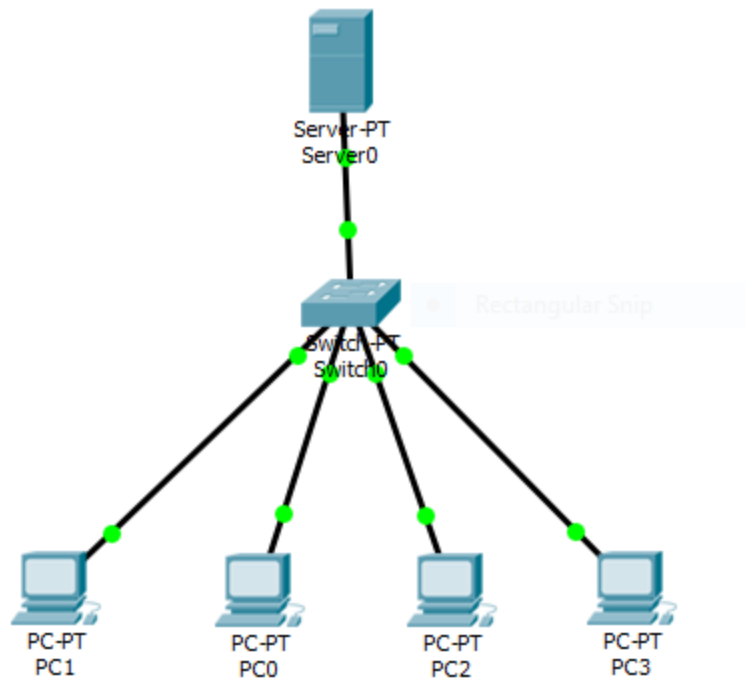
- ☐ DHCP ☐ Auto Config ☒ Static
- IPv6 Address: [empty] / [empty]
- Link Local Address: FE80::201:42FF:FE8A:B4AA
- IPv6 Gateway: [empty]
- IPv6 DNS Server: [empty]

At the bottom left of the window, there is a checkbox labeled "Top".

Practicum 2

Make a web server

- HTTP Server Simulation with 1 workstation and 1 server as in image in the module.\



- Configuring IP Address on PC0 and server0 according to step previous practicum.

Server2

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 0001.C7E1.6974

IP Configuration

☐ DHCP

☒ Static

IP Address 192.168.123.2

Subnet Mask 255.255.255.0

IPv6 Configuration

☐ DHCP

☐ Auto Config

☒ Static

IPv6 Address

Link Local Address: FE80::201:C7FF:FEE1:6974

☐ Top

- Enabling HTTP on the server by clicking the radio button "On"

Server1

Physical Config Services Desktop Programming Attributes

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

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 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	192.168.123...	255.255.255.0	5	0.0.0.0	0.0.0.0

☐ Top

- Perform HTTP browsing in PC0 window, by typing IP Address HTTP Server0(192.168.123.2) in the URL field.

PC8

Physical Config Desktop Programming Attributes

IP Configuration

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::201:42FF:FE8A:B4AA

IPv6 Gateway:

IPv6 DNS Server:

☐ Top

Server2

Physical Config Services Desktop Programming Attributes

SERVICES

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

