NPS LAB EXPERIMENT-5

Configuration of Encapsulation dot 1Q using cisco packet tracer.

Step 1: Open cisco packet tracer and drag 1 server, 2 pc's ,1 switch & connect them through the automatic cable. (Fast-Ethernet 1/0)

Step 2: Open the cli in the server and then type the following commands

en

config

int f0/2

switch acess vlan 1

ip address 10.0.0.1

switch mode trunk

switchport trunk encapsulation dot1q.

exit

then repeat this for 2 times using different vlan's and ethernets with ip addresses.

Step 3: Open command prompt in the desktop pf the pc1.

Then type ping 10.0.0.1

Step 4: observe the result in the command prompt and save the file.

IOS Command Line Interface

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router(config-if)#
Router(config-if)#int f0/0.1
Router(config-subif)#
%LINK-5-CHANGED: Interface FastEthernet0/0.1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0.1, changed state to up

Router(config-subif)#en
% Ambiguous command: "en"
Router(config)#
Router(config)#int f0/0.1
Router(config-subif)#encapsulation dot1Q 2
Router(config-subif)#net
                       ^
% Invalid input detected at '^' marker.

Router(config-subif)#netw
                         ^
% Invalid input detected at '^' marker.

Router(config-subif)#ip address 10.0.0.1 255.0.0.0
Router(config-subif)#int f0/0.2
Router(config-subif)#
%LINK-5-CHANGED: Interface FastEthernet0/0.2, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0.2, changed state to up

Router(config-subif)#encapsulation dot1
Router(config-subif)#ip address 20.0.0.1 255.0.0.0
Router(config-subif)#int f0/0.3
Router(config-subif)#
%LINK-5-CHANGED: Interface FastEthernet0/0.3, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0.3, changed state to up

Router(config-subif)#encapsulation dot1Q 4
Router(config-subif)#ip address 30.0.0.1 255.0.0.0
Router(config-subif)#
Router(config-subif)#exit
Router(config)#