NPS LAB EXPERIMENT-5

Configuration of Encapsulation dot 1Q using cisco packet tracer.

Step 1: Open cisco packet tracer and drag 1 Router, 2 pc's ,1 switch & connect them through the automatic cable.

PCO to SwitchO(FastEthernet 0/2)

PC1 to Switch0 (FastEthernet 0/3)

PC2 to Switch0 (FastEthernet 0/4)

Router0 to Switch1 (FastEthernet 0/1)

PCO ip address:10.0.0.2, default gateway:10.0.0.1

PC1 ip address:20.0.0.2, default gateway:20.0.0.1

PC2 ip address:30.0.0.2, default gateway:30.0.0.1

Step 2: Open the cli in the Router 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 of the pc1.

Then type ping 10.0.0.1

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



