

## Department of Computer Science and Engineering Data Science



# Department of Computer Science and Engineering Data Science

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Semester: V Student ID: 22107040

Class / Branch: CSE(DS)

Date Of Performance: 04/10/2024

Subject: WCN

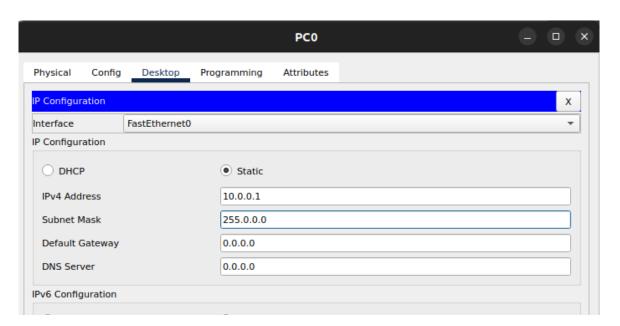
Date Of Submission: 04/10/2024

Name of Instructor: Prof. Ashwini Rahude

### Experiment No. 8

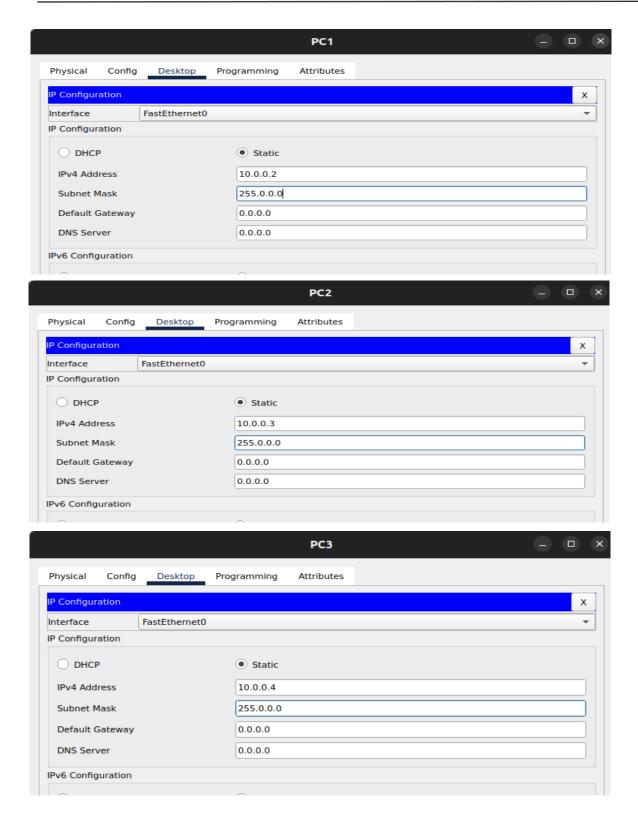
Aim:- To design and simulate VLANs on the switch/router using Cisco packet tracer/ GNS3.

Software used: CISCO Packet Tracer



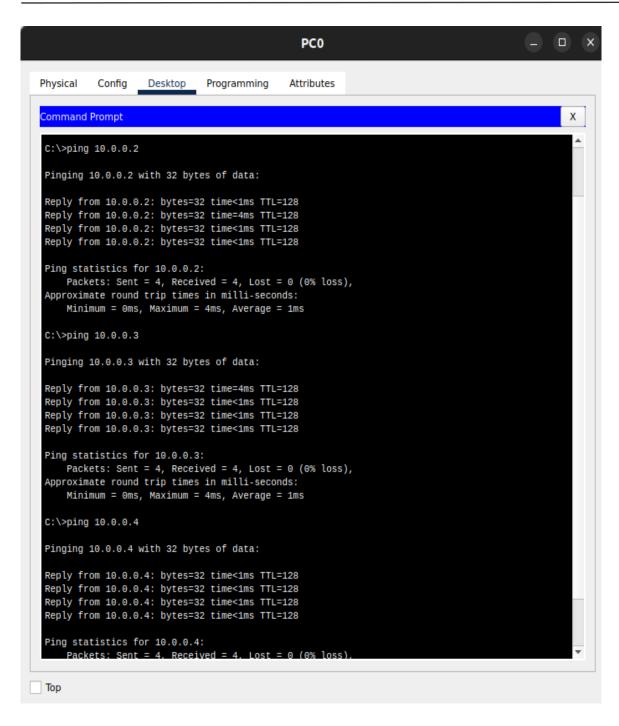














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#### Switch0

Physical Config CLI Attributes IOS Command Line Int %LINK-5-CHANGED: Interface FastEthernet0/3, changed stat %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthe %LINK-5-CHANGED: Interface FastEthernet0/4, changed stat %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthe Switch>enable Switch#conf t Enter configuration commands, one per line. End with C! Switch(config)#vlan 2 Switch(config-vlan)#name office Switch(config-vlan)#exit Switch(config)#vlan 3 Switch(config-vlan)#name home Switch(config-vlan)#exit Switch(config)#interface fastEthernet 0/1 Switch(config-if)#switchport access vlan2 % Invalid input detected at '^' marker. Switch(config-if)#switchport access vlan 2 Switch(config-if)#exit Switch(config)#interface fastEthernet 0/2 Switch(config-if)#switchport access vlan 2 Switch(config-if)#exit Switch(config)#interface fastEthernet 0/3 Switch(config-if)#switchport access vlan 3

Switch(config-if)#exit

Switch(config-if)#exit

Switch(config)#

Switch(config)#interface fastEthernet 0/4 Switch(config-if)#switchport access vlan 3





```
PC0
Physical
                              Programming
                                             Attributes
          Config
                   Desktop
Command Prompt
Pinging 10.0.0.4 with 32 bytes of data:
Reply from 10.0.0.4: bytes=32 time<1ms TTL=128
Ping statistics for 10.0.0.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = Oms, Maximum = Oms, Average = Oms
C:\>ping 10.0.0.2
Pinging 10.0.0.2 with 32 bytes of data:
Reply from 10.0.0.2: bytes=32 time<1ms TTL=128
Ping statistics for 10.0.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>ping 10.0.0.3
Pinging 10.0.0.3 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 10.0.0.3:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>
```





```
PC2
Physical
          Config
                    Desktop
                              Programming
                                              Attributes
 Command Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 10.0.0.4
 Pinging 10.0.0.4 with 32 bytes of data:
 Reply from 10.0.0.4: bytes=32 time<1ms TTL=128
 Ping statistics for 10.0.0.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
 Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
 C:\>ping 10.0.0.1
 Pinging 10.0.0.1 with 32 bytes of data:
 Request timed out.
 Request timed out.
 Request timed out.
 Request timed out.
 Ping statistics for 10.0.0.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
 C:\>
```





