



Department of Computer Science and Engineering
Data Science

Academic Year: 2024-2025

Semester: V

Class / Branch: CSE(DS)

Subject: WCN

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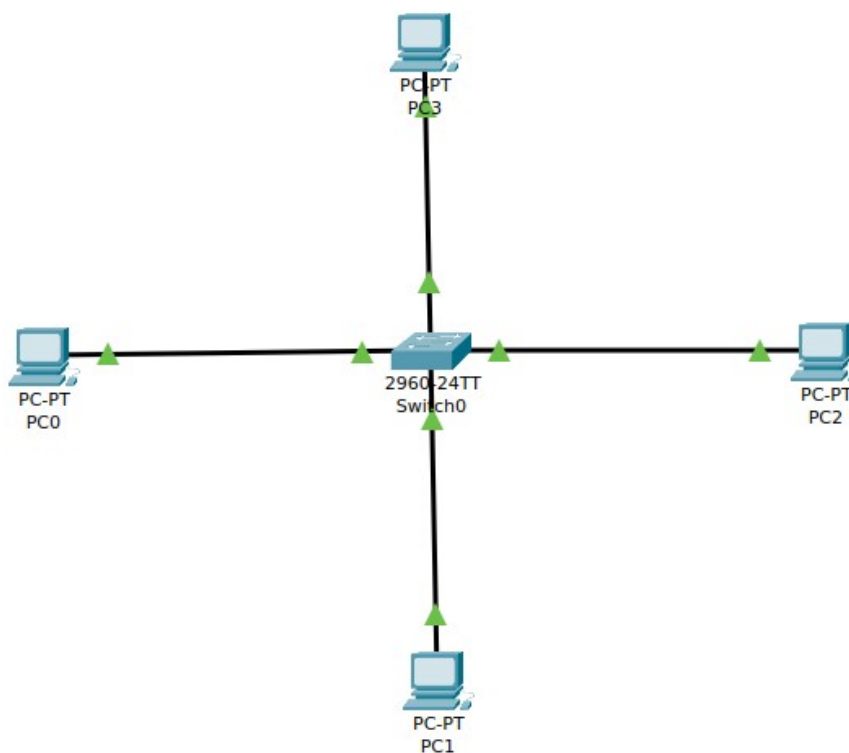
Date Of Performance: 20/09/2024

Date Of Submission: 20/09/2024

Experiment No. 6

Aim:- Study and use network simulator CISCO Packet Tracer for network setup.

Software used: CISCO Packet Tracer





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A.P. SHAH INSTITUTE OF TECHNOLOGY
Department of Computer Science and Engineering
Data Science





Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.68.1.10

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::20C:85FF:FE18:C925

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 198.68.1.11

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::2E0:B0FF:FED1:95E7

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password



Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 198.68.1.12

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::201:96FF:FE95:36B6

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 198.68.1.13

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::201:C9FF:FEE1:3D1E

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password



```
Cisco Packet Tracer PC Command Line 1.0
C:\>ipconfig

FastEthernet0 Connection:(default port)

    Connection-specific DNS Suffix...:
    Link-local IPv6 Address . . . . .: FE80::20A:41FF:FED3:54C3
    IPv6 Address . . . . .: ::
    IPv4 Address . . . . .: 198.68.1.10
    Subnet Mask . . . . .: 255.255.255.0
    Default Gateway . . . . .: ::
                                0.0.0.0

Bluetooth Connection:

    Connection-specific DNS Suffix...:
    Link-local IPv6 Address . . . . .: ::
    IPv6 Address . . . . .: ::
    IPv4 Address . . . . .: 0.0.0.0
    Subnet Mask . . . . .: 0.0.0.0
    Default Gateway . . . . .: ::
                                0.0.0.0

C:\>ping 198.68.1.11

Pinging 198.68.1.11 with 32 bytes of data:

Reply from 198.68.1.11: bytes=32 time<1ms TTL=128
Reply from 198.68.1.11: bytes=32 time<1ms TTL=128
Reply from 198.68.1.11: bytes=32 time<1ms TTL=128
Reply from 198.68.1.11: bytes=32 time<1ms TTL=128

Ping statistics for 198.68.1.11:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

```
C:\>ping 198.68.1.12

Pinging 198.68.1.12 with 32 bytes of data:

Reply from 198.68.1.12: bytes=32 time<1ms TTL=128
Reply from 198.68.1.12: bytes=32 time<1ms TTL=128
Reply from 198.68.1.12: bytes=32 time<1ms TTL=128
Reply from 198.68.1.12: bytes=32 time<1ms TTL=128

Ping statistics for 198.68.1.12:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 198.68.1.13

Pinging 198.68.1.13 with 32 bytes of data:

Reply from 198.68.1.13: bytes=32 time<1ms TTL=128
Reply from 198.68.1.13: bytes=32 time<1ms TTL=128
Reply from 198.68.1.13: bytes=32 time<1ms TTL=128
Reply from 198.68.1.13: bytes=32 time<1ms TTL=128

Ping statistics for 198.68.1.13:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
```



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