

LAB PROGRAM-08

To construct simple LAN and understand the concept and operation of address resolution protocol (ARP)

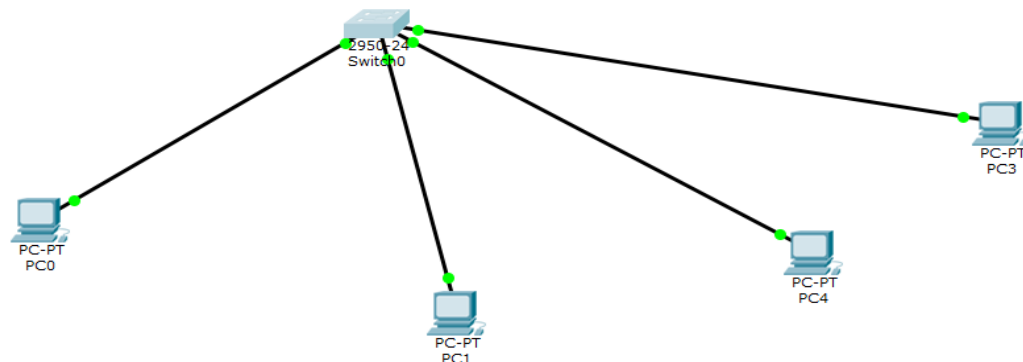


Table for Address

10.0.0.1	00D0.BA3B.7757
10.0.0.2	0001.C791.4C31

PC0

Physical Config Desktop Custom Interface

Command Prompt

```
PC>ping 10.0.0.3

Pinging 10.0.0.3 with 32 bytes of data:

Reply from 10.0.0.3: bytes=32 time=0ms TTL=128
Reply from 10.0.0.3: bytes=32 time=0ms TTL=128
Reply from 10.0.0.3: bytes=32 time=0ms TTL=128
Reply from 10.0.0.3: bytes=32 time=2ms TTL=128

Ping statistics for 10.0.0.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 2ms, Average = 0ms

PC>ping 10.0.0.2

Pinging 10.0.0.2 with 32 bytes of data:

Reply from 10.0.0.2: bytes=32 time=0ms TTL=128
Reply from 10.0.0.2: bytes=32 time=0ms TTL=128
Reply from 10.0.0.2: bytes=32 time=0ms TTL=128
Reply from 10.0.0.2: bytes=32 time=2ms 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 = 2ms, Average = 0ms

PC>
```

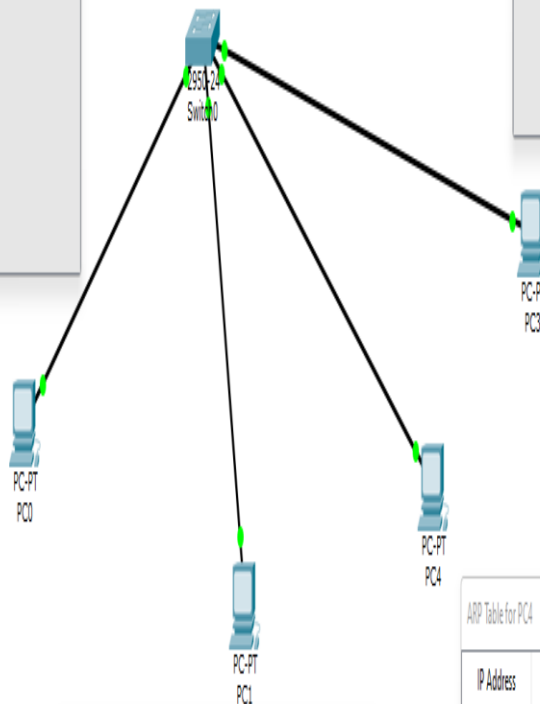
rdware Address	Inte
A3B.7757	FastEthernet
791.4C31	FastEthernet

ARP Table for PC0

IP Address	Hardware Address	Interface
10.0.0.2	0011.C791.AC31	FastEthernet0
10.0.0.3	0060.8F3C.071E	FastEthernet0
10.0.0.4	0010.11CD.362B	FastEthernet0

ARP Table for PC3

IP Address	Hardware Address	Interface
10.0.0.1	0000.8A38.7757	FastEthernet0
10.0.0.2	0011.C791.AC31	FastEthernet0



ARP Table for PC1

IP Address	Hardware Address	Interface
10.0.0.1	0000.8A38.7757	FastEthernet0
10.0.0.3	0060.8F3C.071E	FastEthernet0
10.0.0.4	0010.11CD.362B	FastEthernet0

ARP Table for PC4

IP Address	Hardware Address	Interface
10.0.0.1	0000.8A38.7757	FastEthernet0
10.0.0.2	0011.C791.AC31	FastEthernet0