

# **COMPUTER NETWORK**

## **MODUL 3**



Created by :

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L20018 3070

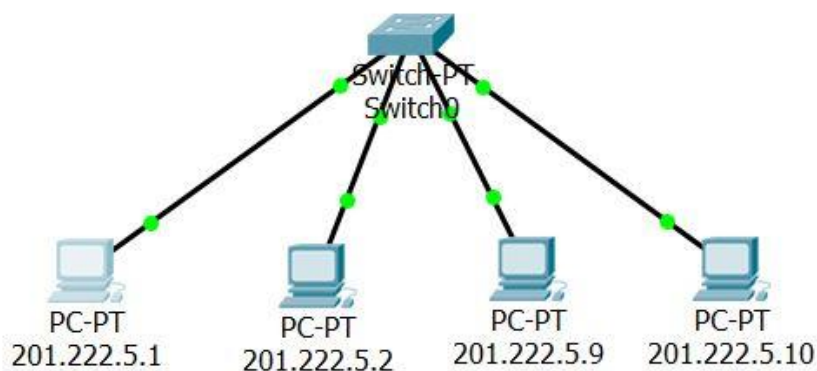
**INFORMATION TECHNOLOGY**

**FACULTY OF COMUNICATION AND INFORMATICS**

**UNIVERSITY OF MUHAMMADIYAH SURAKARTA**

## Practicum Activities 1. Subnetting Design and Configuration

PC	IP address	Subnet Mask
1	201.222.5.1	233.255.255.248
2	201.222.5.2	
3	201.222.5.9	
4	201.222.5.10	



- And then, ping between pc 1(201.222.5.1) to pc 2(201.222.5.2)

```
C:\>ping 201.222.5.2

Pinging 201.222.5.2 with 32 bytes of data:

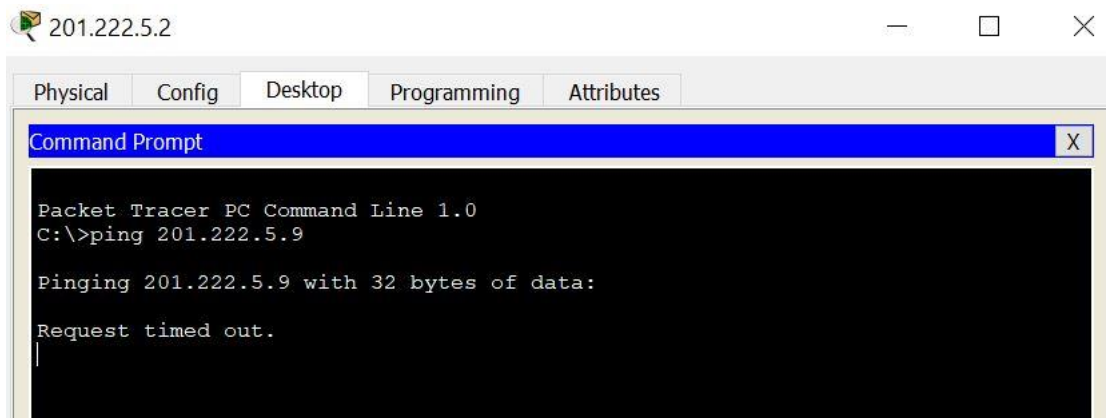
Reply from 201.222.5.2: bytes=32 time=11ms TTL=128
Reply from 201.222.5.2: bytes=32 time<1ms TTL=128
Reply from 201.222.5.2: bytes=32 time<1ms TTL=128
Reply from 201.222.5.2: bytes=32 time<1ms TTL=128

Ping statistics for 201.222.5.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 11ms, Average = 2ms

C:\>|
```

- When pinging from pc 1 to pc 2 there were no problems.

- Ping between pc 2(201.222.5.2) and pc 3(201.222.5.9)



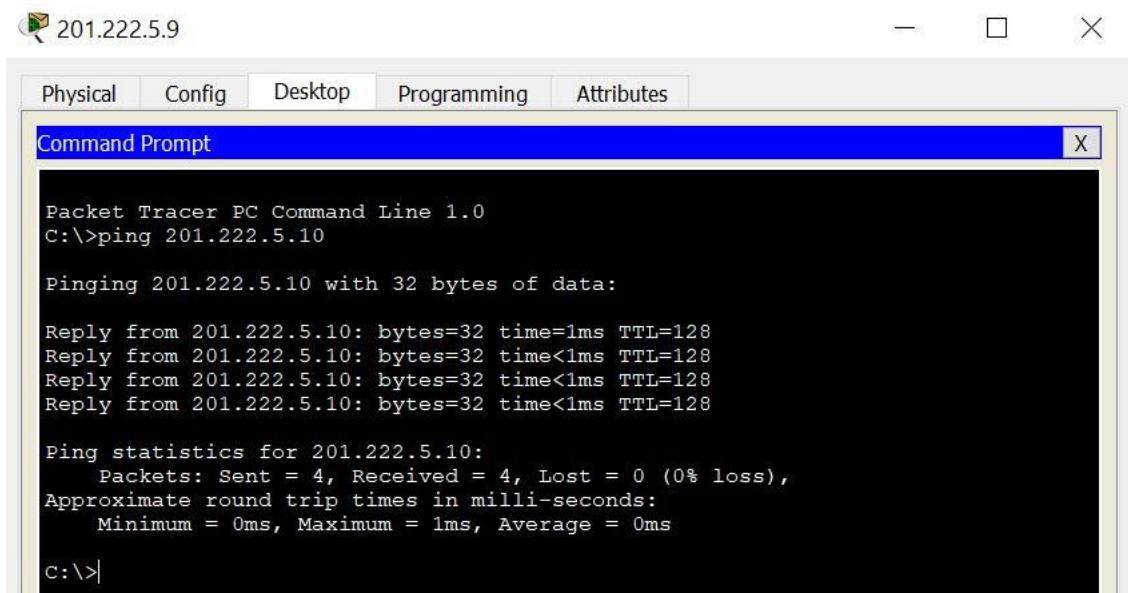
```
Packet Tracer PC Command Line 1.0
C:\>ping 201.222.5.9

Pinging 201.222.5.9 with 32 bytes of data:

Request timed out.
```

- When pinging pc 2 and pc 3, it failed because of different network or subnet groups.

- Ping between pc 3(201.222.5.9) and pc 4(201.222.5.10)



```
Packet Tracer PC Command Line 1.0
C:\>ping 201.222.5.10

Pinging 201.222.5.10 with 32 bytes of data:

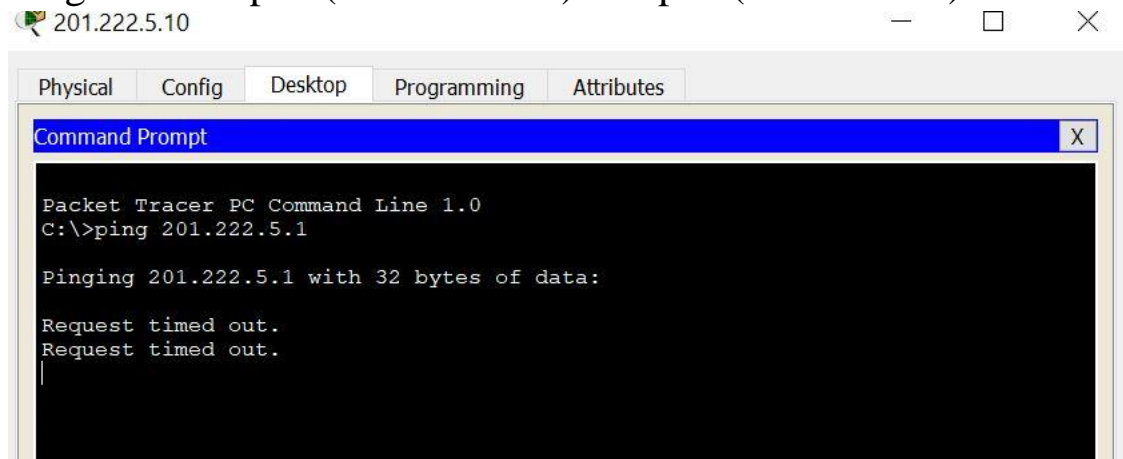
Reply from 201.222.5.10: bytes=32 time=1ms TTL=128
Reply from 201.222.5.10: bytes=32 time<1ms TTL=128
Reply from 201.222.5.10: bytes=32 time<1ms TTL=128
Reply from 201.222.5.10: bytes=32 time<1ms TTL=128

Ping statistics for 201.222.5.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
```

- When pinging pc 3 to pc 4 there are no problems or fail.

- Ping between pc 4(201.222.5.10) and pc 1(201.222.5.1)



- When pinging pc 4 and pc 1, it failed because of different network or subnet groups.