

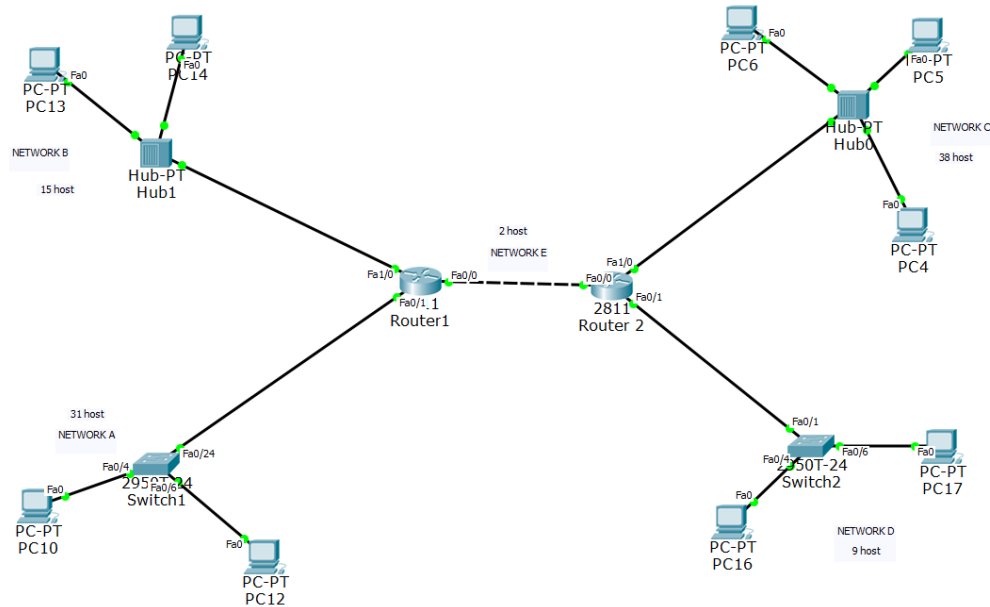
Nama : Loadtriani Oktavia S

NIM : 215314172

IMPLEMENTASI SUBNETTING DAN SET WIRELESS ROUTER.

Bagian A : Implementasi Subnetting

Buka Praktikum 5 bagian A.pkt



Alamatilah interface PC dan router pada NETWORK A,B,C,D dan E sesuai dengan alamat subnet yang tepat (perhatikan jumlah host di masing masing network) jika diketahui alamat yang diberikan adalah 192.168.NIM.0/24

NETWORK A

Alamat network : 192.168.172.0/26

Alamat broadcast : 192.168.172.63/26

Alamat host yang valid : 192.168.172.1 – 192.168.172.62

Perangkat	Interface	IP Address Interface
PC10	Fa0	192.168.172.1
PC12	Fa0	192.168.172.2
Router	Fa0/1	192.168.172.62

NETWORK B

Alamat network : 192.168.172.128/27

Alamat broadcast : 192.168.172.159/27

Alamat host yang valid : 192.168.172.129 - 192.168.172.158

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Perangkat	Interface	IP Address Interface
PC13	Fa0	192.168.172.129
PC14	Fa0	192.168.172.130
Router	Fa1/0	192.168.172.158

NETWORK C

Alamat network : 192.168.172.64/26

Alamat broadcast : 192.168.172.127/26

Alamat host yang valid : 192.168.172.65 - 192.168.172.126

Perangkat	Interface	IP Address Interface
PC4	Fa0	192.168.172.65
PC5	Fa0	192.168.172.66
PC6	Fa0	192.168.172.67
Router	Fa1/0	192.168.172.126

NETWORK D

Alamat network : 192.168.172.160/28

Alamat broadcast : 192.168.172.175/28

Alamat host yang valid : 192.168.172.161 - 192.168.172.174

Perangkat	Interface	IP Address Interface
PC16	Fa0	192.168.172.161
PC17	Fa0	192.168.172.162
Router	Fa0/1	192.168.172.174

NETWORK E

Alamat network : 192.168.172.176/30

Alamat broadcast : 192.168.172.179/30

Alamat host yang valid : 192.168.172.177 - 192.168.172.178

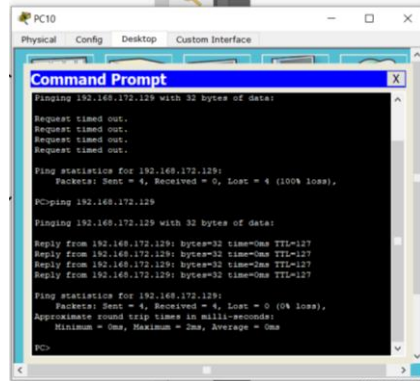
Perangkat	Interface	IP Address Interface
Router	Fa0/0	192.168.172.177
Router	Fa0/0	192.168.172.178

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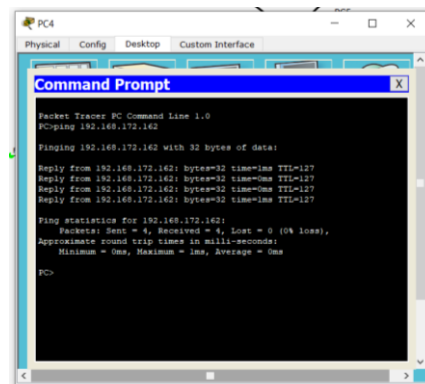
Pada Realtime Mode:

- a. Coba ping dari PC 10 dengan command prompt ke PC 13 sampai berhasil. Screenshoot hasilnya.



```
PC10
Physical Config Desktop Custom Interface
Command Prompt
Finging 192.168.172.129 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 192.168.172.129:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
PC>ping 192.168.172.129
Finging 192.168.172.129 with 32 bytes of data:
Reply from 192.168.172.129: bytes=32 time=0ms TTL=127
Reply from 192.168.172.129: bytes=32 time=0ms TTL=127
Reply from 192.168.172.129: bytes=32 time=0ms TTL=127
Reply from 192.168.172.129: bytes=32 time=0ms TTL=127
Ping statistics for 192.168.172.129:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
PC>
```

- b. Coba ping dari PC 4 dengan command prompt ke PC 17 sampai berhasil. Screenshoot hasilnya.



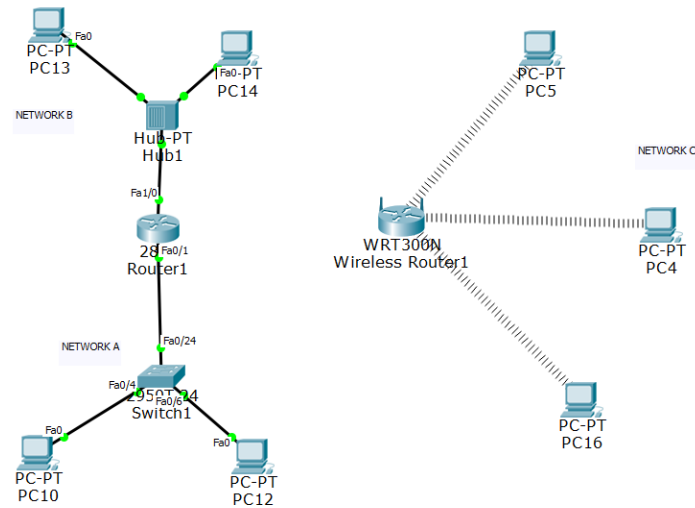
```
PC4
Physical Config Desktop Custom Interface
Command Prompt
Packet Tracer PC Command Line 1.0
PC>ping 192.168.172.142
Finging 192.168.172.142 with 32 bytes of data:
Reply from 192.168.172.142: bytes=32 time=1ms TTL=127
Reply from 192.168.172.142: bytes=32 time=1ms TTL=127
Reply from 192.168.172.142: bytes=32 time=1ms TTL=127
Reply from 192.168.172.142: bytes=32 time=1ms TTL=127
Ping statistics for 192.168.172.142:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 1ms, Average = 1ms
PC>
```

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Bagian B : Set Wireless Router

Buka Praktikum 5 bagian B.pkt



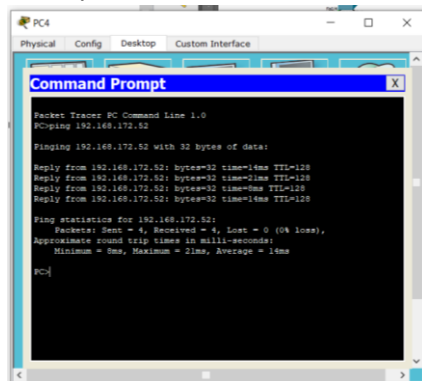
Alamatilah

Nama Network	Alamat network
Network A	192.168.NIM.0/27
Network B	192.168.NIM.32/27
Network C	192.168.NIM.48/27

Lihat pengaturan untuk wireless router di tutorial-nya.

Pada Realtime Mode:

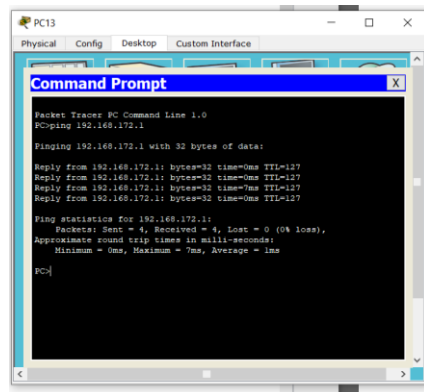
- Coba ping dari PC 4 dengan command prompt ke PC 16 sampai berhasil. Screenshoot hasilnya.



- Coba ping dari PC 13 dengan command prompt ke PC 10 sampai berhasil. Screenshoot hasilnya.

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```
PC13
Physical Config Desktop Custom Interface
Command Prompt
Packet Tracer PC Command Line 1.0
PC>ping 192.168.172.1
Pinging 192.168.172.1 with 32 bytes of data:
Reply from 192.168.172.1: bytes=32 time=0ms TTL=127
Reply from 192.168.172.1: bytes=32 time=0ms TTL=127
Reply from 192.168.172.1: bytes=32 time=7ms TTL=127
Reply from 192.168.172.1: bytes=32 time=0ms TTL=127
Ping statistics for 192.168.172.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 7ms, Average = 1ms
PC>
```

Selamat belajar 😊