

LAPORAN PRAKTIKUM JARINGAN KOMPUTER

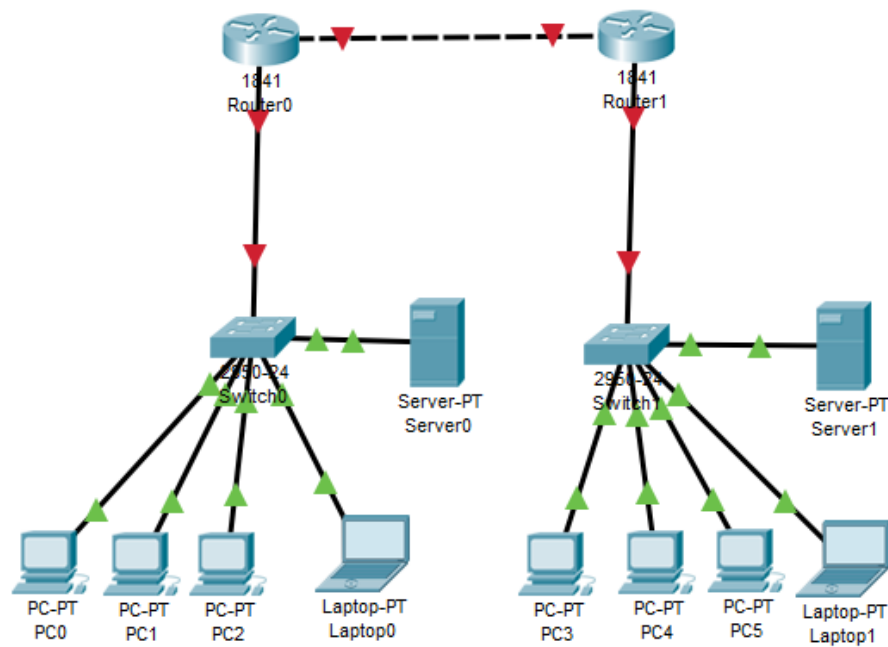
NAMA : MOCH AFIF ABDILLAH

NIM : L200170004

KELAS : A

MODUL : PENGENALAN CISCO PACKET TRACER

KEGIATAN 1



Amatilah lampu indikator pada setiap titik. Kemudian jelaskan pada kolom dibawah ini:

- Antara router 1 dengan router 2 kabel tidak terhubung ditandai dengan warna merah
- Keduanya Antara router dengan switch kabel tidak terhubung ditandai dengan warna merah
- Antara switch, server dan PC kabel atau end device saling terhubung sehingga warnanya hijau

KEGIATAN 2



DENGAN 0 IP ADDRESS = 192.168.1.1 & 1 = 192.168.1.2

The screenshot shows a Packet Tracer PC Command Line window for PC 1. The window has tabs for Physical, Config, Desktop, Programming, and Attributes. The Desktop tab is active, showing a Command Prompt window. The Command Prompt displays the output of a ping command from 192.168.1.1 to 192.168.1.1. The output shows four successful replies with varying round trip times (3ms, 2ms, 1ms, 6ms) and a TTL of 128. The ping statistics show 4 packets sent, 4 received, and 0% loss, with an average round trip time of 2ms.

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.1

Pinging 192.168.1.1 with 32 bytes of data:

Reply from 192.168.1.1: bytes=32 time=3ms TTL=128
Reply from 192.168.1.1: bytes=32 time=2ms TTL=128
Reply from 192.168.1.1: bytes=32 time=1ms TTL=128
Reply from 192.168.1.1: bytes=32 time=6ms TTL=128

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 6ms, Average = 2ms

C:\>|
```

Physical Config **Desktop** Programming Attributes

Command Prompt

```

Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:

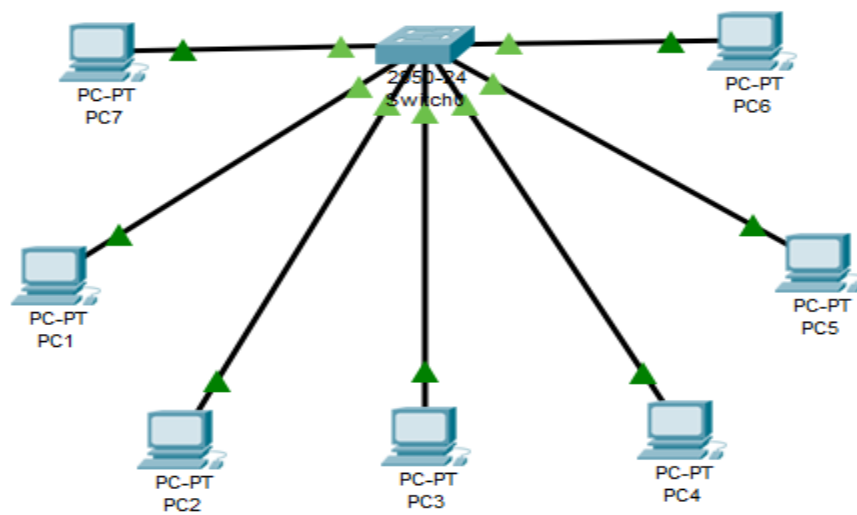
Reply from 192.168.1.2: bytes=32 time=6ms TTL=128
Reply from 192.168.1.2: bytes=32 time=4ms TTL=128
Reply from 192.168.1.2: bytes=32 time=4ms TTL=128
Reply from 192.168.1.2: bytes=32 time=3ms TTL=128

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 3ms, Maximum = 6ms, Average = 4ms

C:\>|

```

KEGIATAN 3



PC1 = 192.168.1.1	PC5 = 192.168.2.5
PC2 = 192.168.1.2	PC6 = 192.168.2.6
PC3 = 192.168.1.3	PC7 = 192.168.2.7
PC4 = 192.168.1.4	

Setelah rangkaian jadi lakukan ping antara

- PC 1 ke PC 2

PC1

Physical Config **Desktop** Programming Attributes

Command Prompt

```
Pinging 192.168.1.1 with 32 bytes of data:

Reply from 192.168.1.1: bytes=32 time=9ms TTL=128
Reply from 192.168.1.1: bytes=32 time<1ms TTL=128
Reply from 192.168.1.1: bytes=32 time=6ms TTL=128
Reply from 192.168.1.1: bytes=32 time=2ms TTL=128

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 9ms, Average = 4ms

C:\>ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:

Reply from 192.168.1.2: bytes=32 time=24ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 24ms, Average = 6ms

C:\>
```

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b. PC 3 ke PC 5

PC3

Physical Config **Desktop** Programming Attributes

Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.2.5

Pinging 192.168.2.5 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 192.168.2.5:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

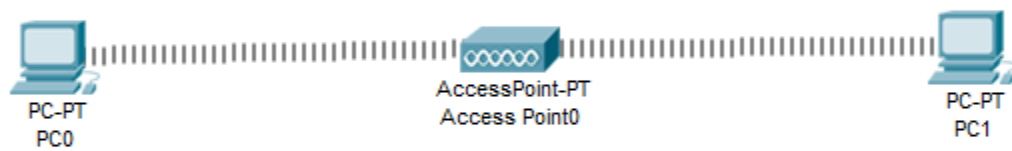
C:\>
```

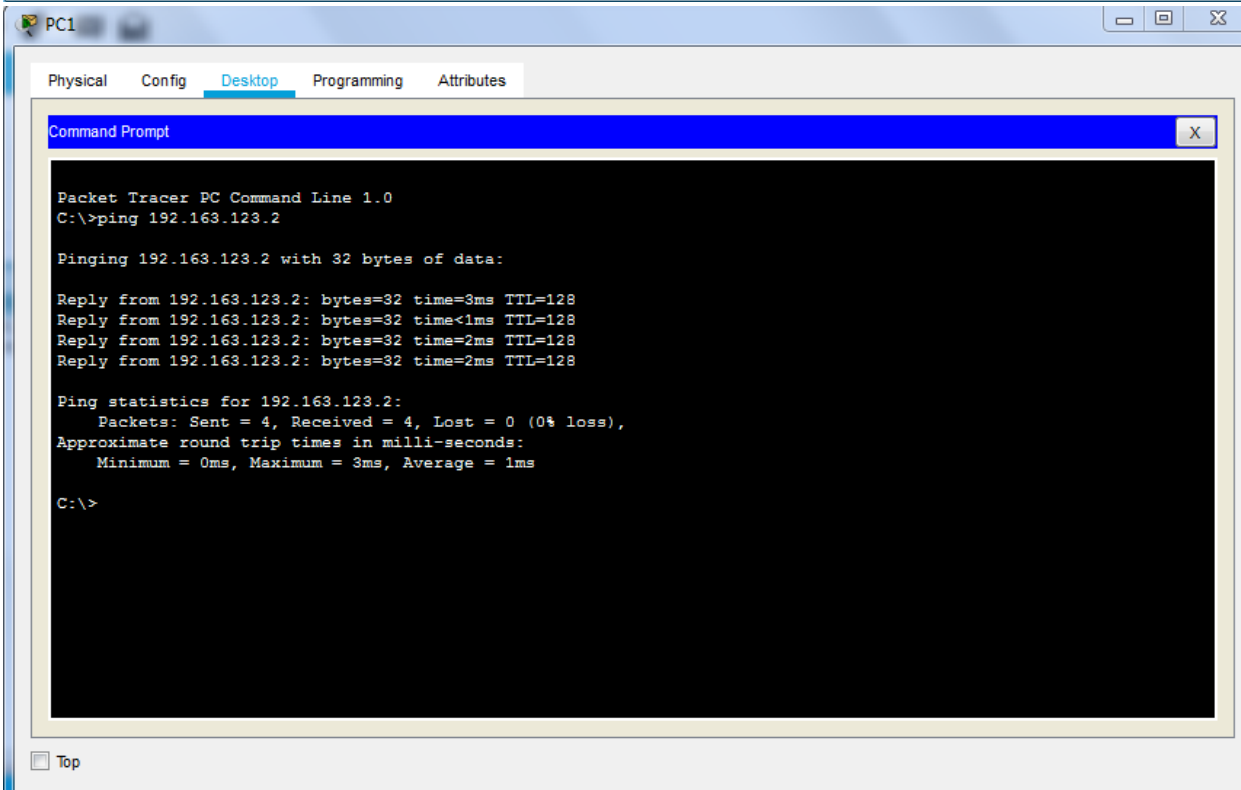
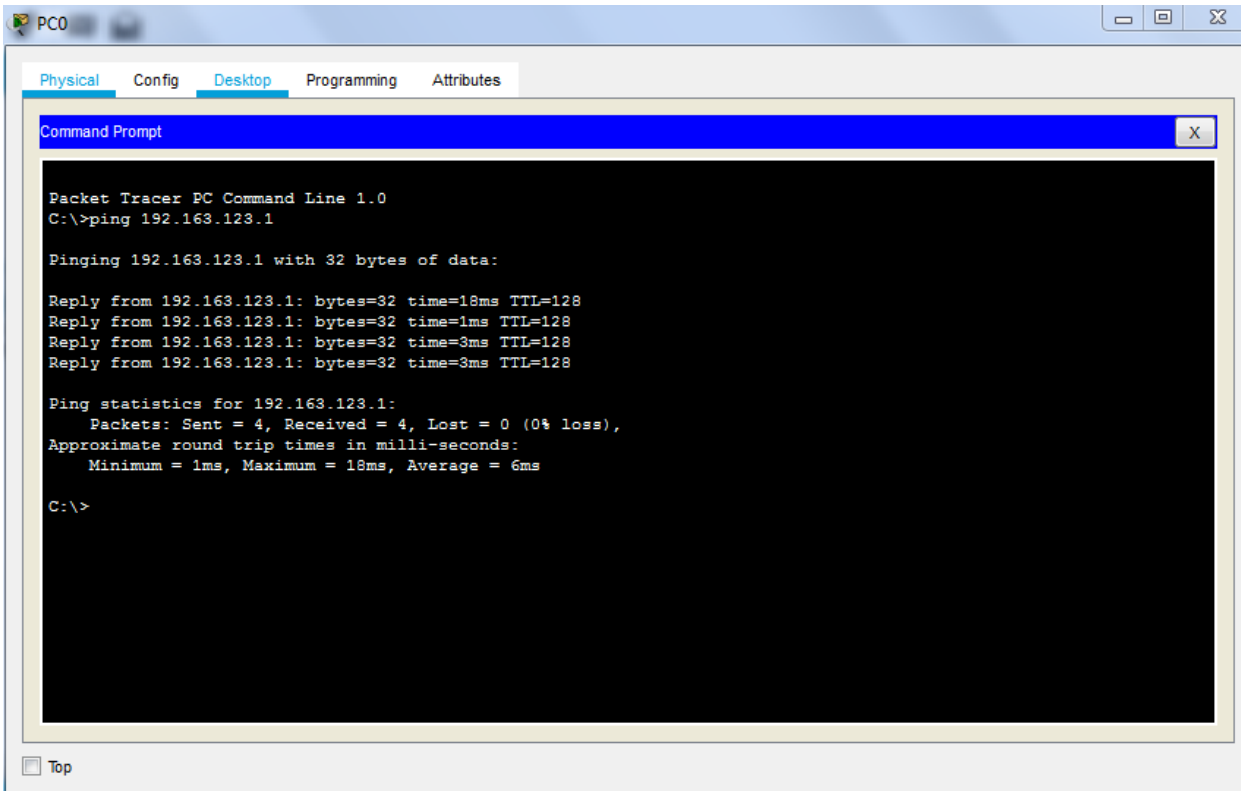
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Jelaskan hasilnya pada kolom dibawah ini

- Pada ping PC 1 ke PC 2 , Mininum = 0ms, Maximum = 24ms, Average = 6ms
- Pada ping PC 3 ke PC 5 Terjadi Request Time out karena pada IP addressnya beda network PC3 Networknya 1 Sedangkan PC5 Networknya 2

KEGIATAN 4





KEGIATAN 5

