

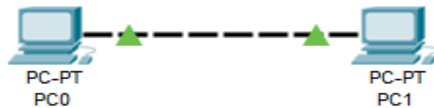
LAPORAN PRAKTIKUM JARINGAN KOMPUTER

MODUL 1 : Pengenalan Kabel Straight dan Cross

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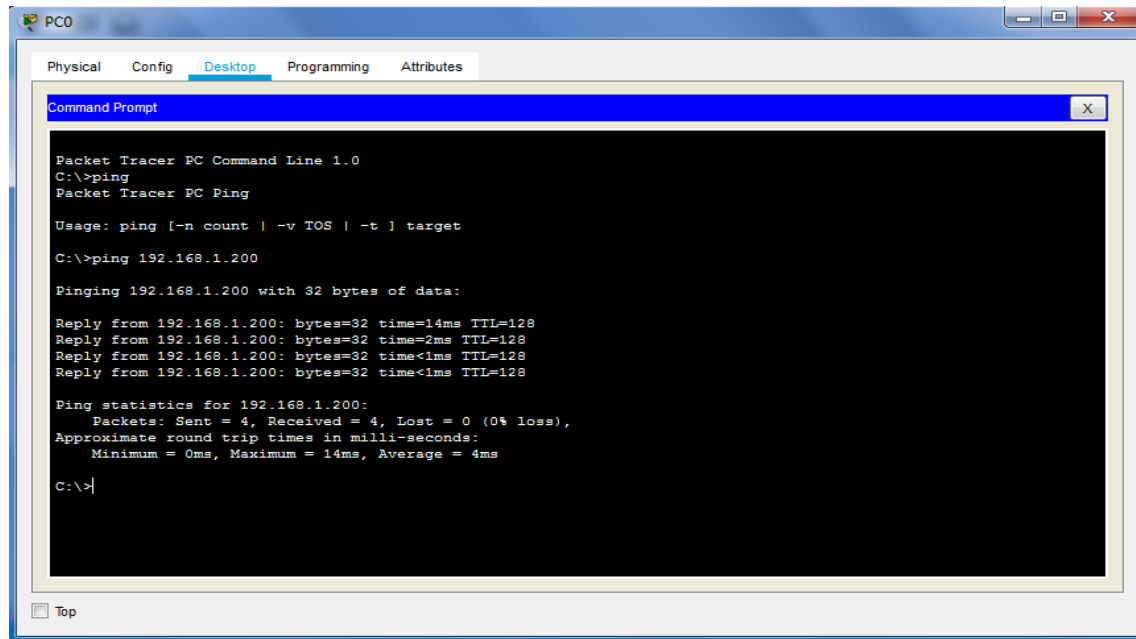
KELAS A

TUGAS 1

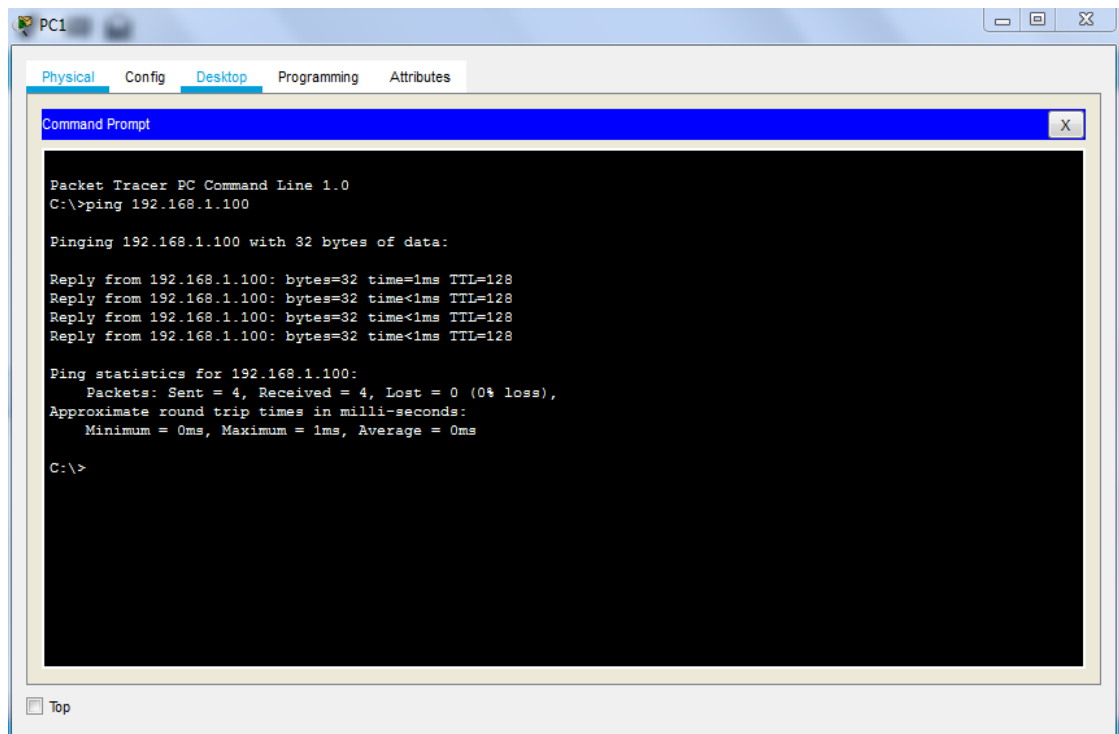


1. Membuat Jaringan Peer to Peer
 - a. Step 1 : pilih partner
Step 2 : Siapkan peralatan meliputi:
2 PC/Workstation
1 Kabel crossover
 - b. Gunakan kabel **Crossover** untuk menghubungkan secara langsung antar PC/Workstation melalui Network Interface Card (NIC)/Kartu jaringan masing masing, jika diperhatikan setiap ujung kabel di RJ45, Kabel warna orange dan hijau berada pada posisi yang berbeda disetiap ujungnya
 - c. Step 2: Berikan alamat IP masing masing PC
IP PC 1: 192.168.1.100
IP PC 2: 192.168.1.200
 - d. Memeriksa konektifitas
 1. Ketik perintah ping untuk memeriksa koneksi apakah PC 1 dapat menjangkau PC 2 dan sebaliknya dari PC 1 ketik ping 192.168.1.200. Dari PC 2 ketik ping 192.168.1.100
 2. Apakah output dari perintah ping tersebut ? Tuliskan !

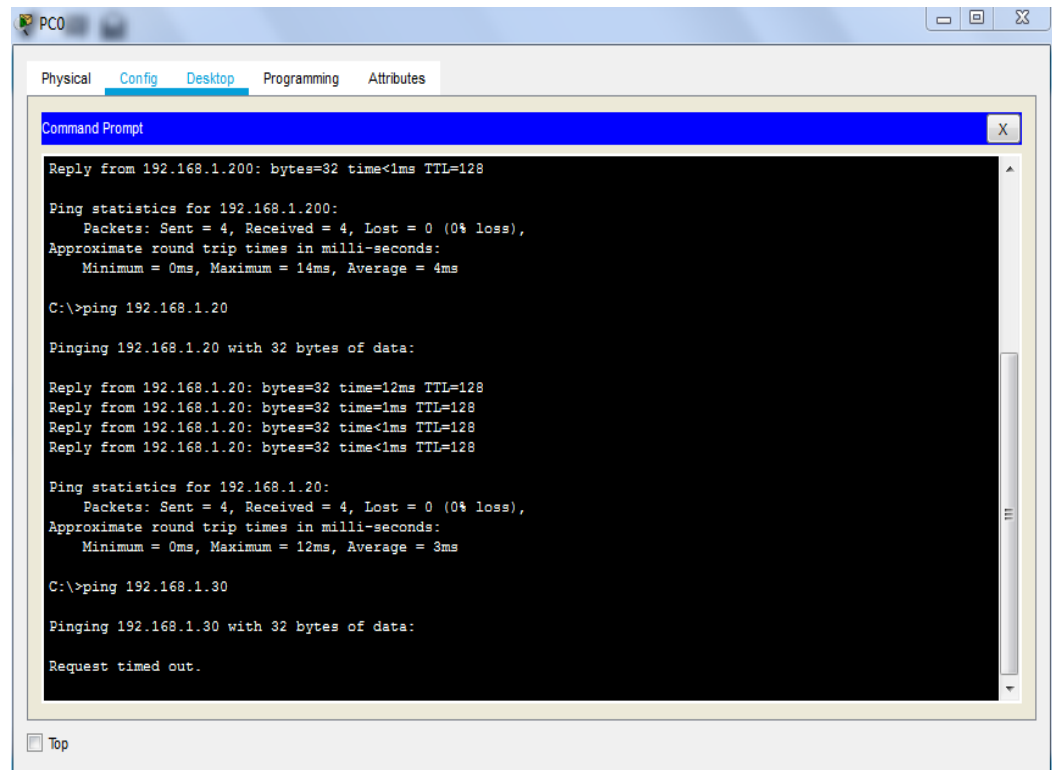
PC 1 to PC 2



PC 2 to PC 1



3. Jika salah satu kabel dicabut, apakah output dari perintah ping ? Tuliskan !
Kurang Lebih seperti itu, maka time out juga.



The screenshot shows a PC0 window with a Command Prompt open. The Command Prompt displays the output of a ping command to 192.168.1.200, which is successful. It then shows the output of a ping command to 192.168.1.30, which results in a "Request timed out." message.

```
PC0
Physical Config Desktop Programming Attributes
Command Prompt
Reply from 192.168.1.200: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.1.200:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 14ms, Average = 4ms
C:\>ping 192.168.1.20

Pinging 192.168.1.20 with 32 bytes of data:

Reply from 192.168.1.20: bytes=32 time=12ms TTL=128
Reply from 192.168.1.20: bytes=32 time=1ms TTL=128
Reply from 192.168.1.20: bytes=32 time<1ms TTL=128
Reply from 192.168.1.20: bytes=32 time<1ms TTL=128

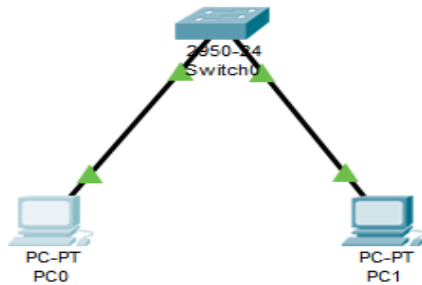
Ping statistics for 192.168.1.20:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 12ms, Average = 3ms
C:\>ping 192.168.1.30

Pinging 192.168.1.30 with 32 bytes of data:

Request timed out.
```

TUGAS 2

Buatlah rangkaian seperti dibawah ini.



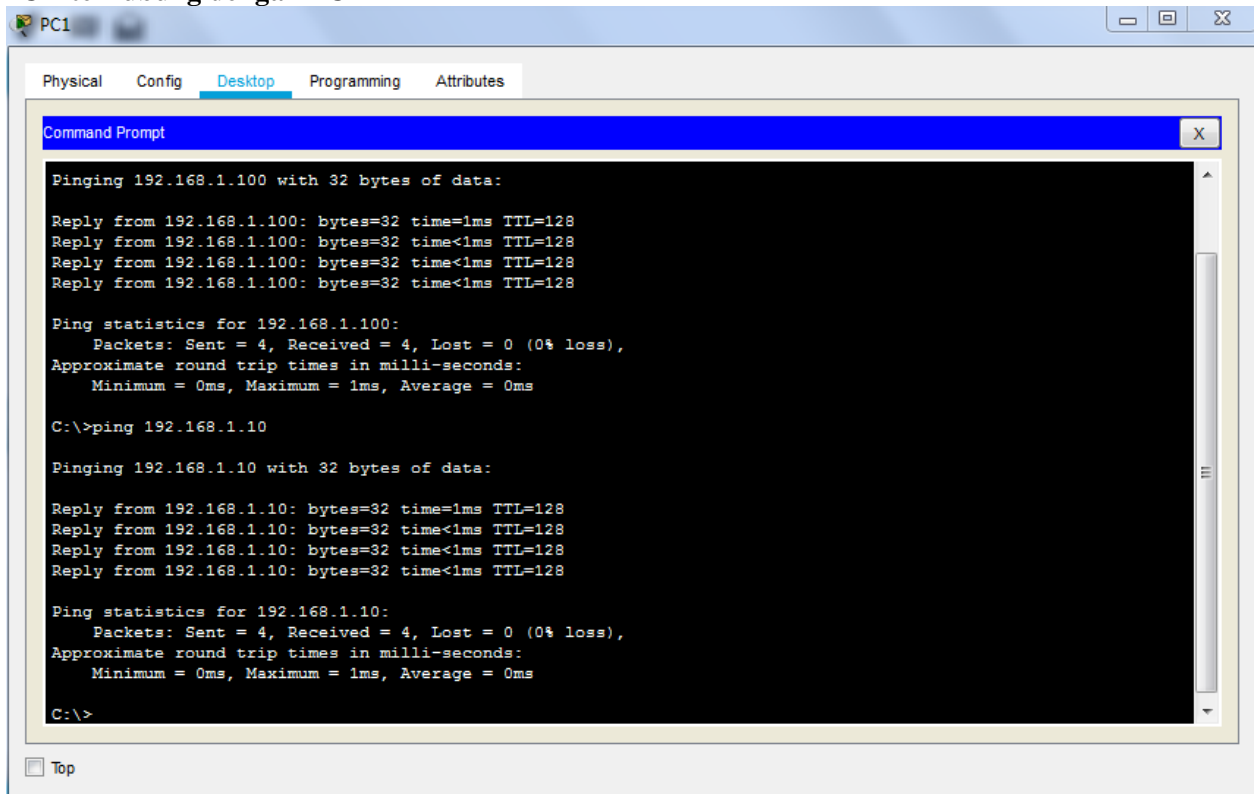
- Step 1 : Hubungkan kedua PC/workstation ke switch. Kabel apa yang anda gunakan ?
Kabel crossover
- Step 2 : Periksa Konektifitas
IP PC 1 : 192.168.1.10
IP PC 2 : 192.168.1.20
Gunakan ping, apa output perintah ping jika saling terhubung ? Tulisakan !

PC 1 terhubung dengan PC 2

```
PC0
Physical Config Desktop Programming Attributes
Command Prompt
Pinging 192.168.1.200 with 32 bytes of data:
Reply from 192.168.1.200: bytes=32 time=14ms TTL=128
Reply from 192.168.1.200: bytes=32 time=2ms TTL=128
Reply from 192.168.1.200: bytes=32 time<1ms TTL=128
Reply from 192.168.1.200: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.1.200:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 14ms, Average = 4ms
C:\>ping 192.168.1.20
Pinging 192.168.1.20 with 32 bytes of data:
Reply from 192.168.1.20: bytes=32 time=12ms TTL=128
Reply from 192.168.1.20: bytes=32 time=1ms TTL=128
Reply from 192.168.1.20: bytes=32 time<1ms TTL=128
Reply from 192.168.1.20: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.1.20:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 12ms, Average = 3ms
C:\>
```

The screenshot shows a Windows Command Prompt window titled 'PC0'. The 'Desktop' tab is selected. The user has executed two ping commands. The first command is 'ping 192.168.1.200', which shows successful replies from 192.168.1.200 with varying response times (14ms, 2ms, <1ms, <1ms) and a TTL of 128. The second command is 'ping 192.168.1.20', which also shows successful replies from 192.168.1.20 with response times (12ms, 1ms, <1ms, <1ms) and a TTL of 128. Both ping statistics show 4 packets sent and received, with 0% loss.

PC 2 terhubung dengan PC 1



Jika melakukan ping ke alamat yang tidak terhubung ? Tuliskan!

