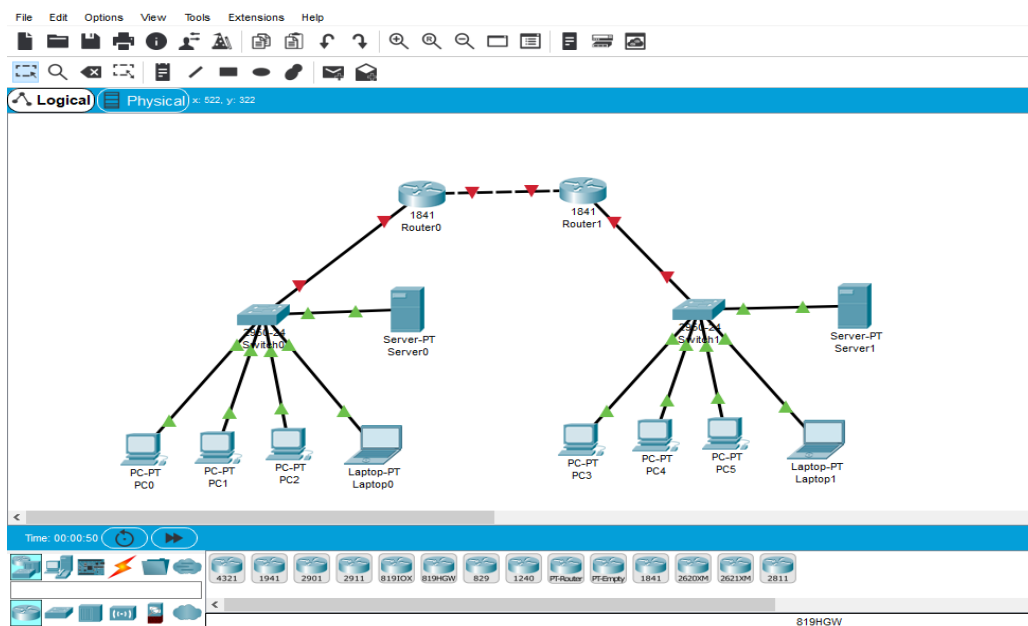


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Modul 2

Kegiatan 1

Membuat rancangan jaringan Komputer seperti gambar dibawah ini

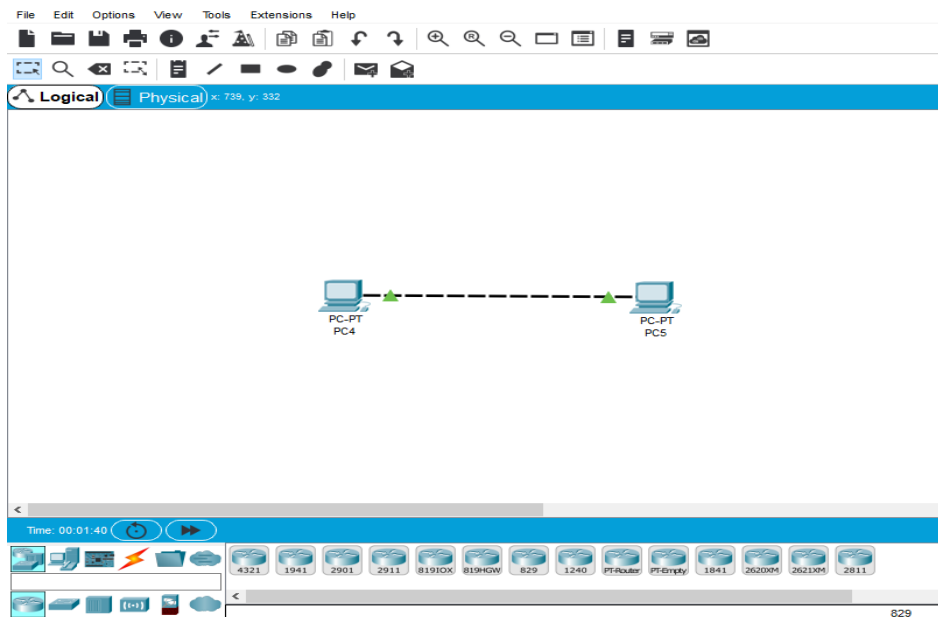


Mengamati lampu indikator pada setiap titik. Kemudian di jelaskan pada kolom di bawah ini

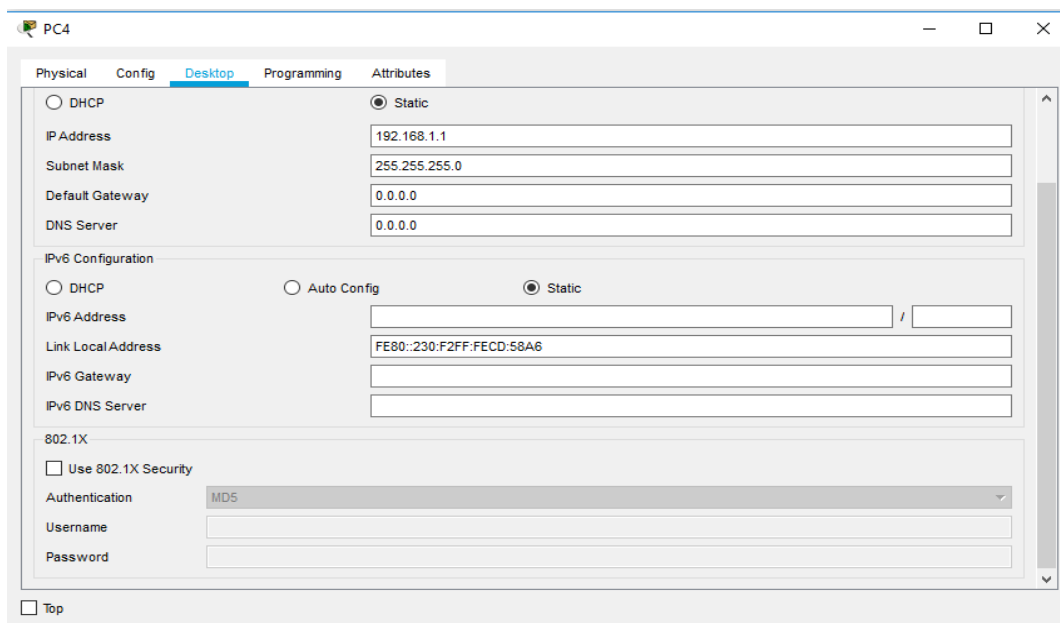
- Kabel Router1 ke Router2 menunjukkan warna merah yang berarti kabel tidak terhubung atau terjadi kesalahan pada kabel
- Kabel Router ke switch menunjukkan warna merah yang berarti kabel tidak terhubung atau terjadi kesalahan pada kabel
- Kabel switch ke server PC dan Laptop menunjukkan warna hijau yang berarti kabel berhasil menghubungkan perangkat yang sama

2. Kegiatan 2 Membuat Jaringan Peer to Peer

Menggunakan packet tracer



Dengan PC4 ip address = 192.168.1.1/24 dan PC5 = 192.268.1.2/24



Setelah semua pc mendapat IP Address, lakukan ping antar ke dua PC , dengan cara pada desktop piling tab command promt. Ketik perintah ping 192.168.1.1

Physical Config **Desktop** Programming Attributes

Command Prompt

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

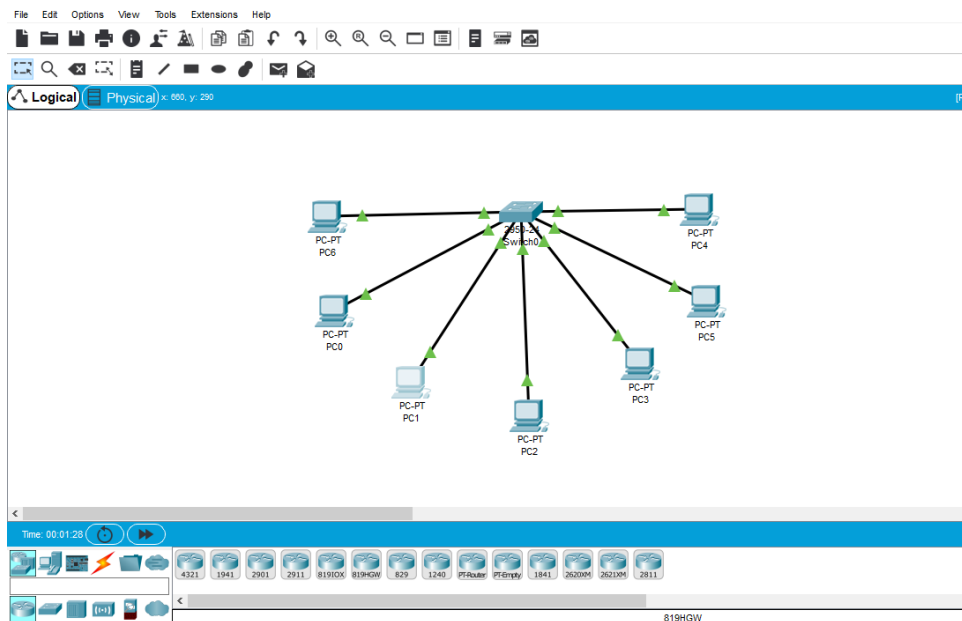
Pinging 192.168.1.1 with 32 bytes of data:

Reply from 192.168.1.1: bytes=32 time=7ms 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=4ms 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 = 7ms, Average = 4ms

C:\>
```

Kegiatan 3 Membuat jaringan dengan switch



Membuat perancangan jaringan komputer dengan alamat IP

PC1 = 192.168.1.1	PC4 = 192.168.1.4
PC2 = 192.168.1.2	PC5 = 192.268.2.5
PC3 = 192.168.1.3	PC6 = 192.268.2.6
PC7 = 192.168.2.7	

a. PC1 ke PC2

```

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<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
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 = 1ms, Average = 0ms

C:\>

```

b. PC3 ke PC5

Physical Config **Desktop** Programming Attributes

Command Prompt

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

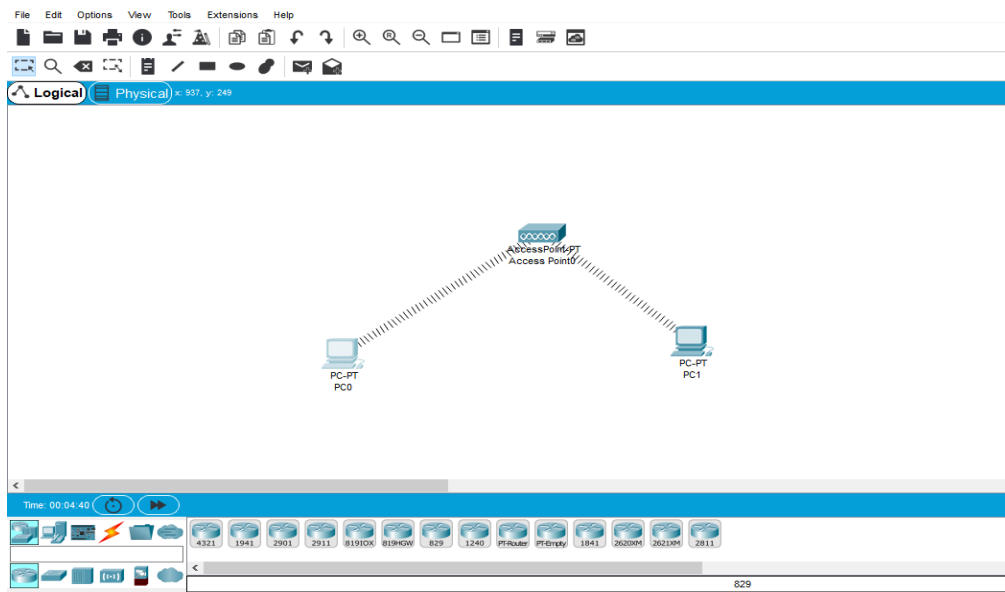
Pinging 192.168.2.5 with 32 bytes of data:

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:\>|
```

Kegiatan 4



```
Physical    Config    Desktop    Programming    Attributes
Command Prompt

Packet Tracer PC Command Line 1.0
C:\>
ipconfig

Wireless0 Connection:(default port)

Link-local IPv6 Address.....: FE80::201:42FF:FE33:D910
IP Address.....: 192.168.1.1
Subnet Mask.....: 255.255.255.0
Default Gateway.....: 0.0.0.0

Bluetooth Connection:

Link-local IPv6 Address.....: ::
IP Address.....: 0.0.0.0
Subnet Mask.....: 0.0.0.0
Default Gateway.....: 0.0.0.0

C:\>ping 192.168.1.1

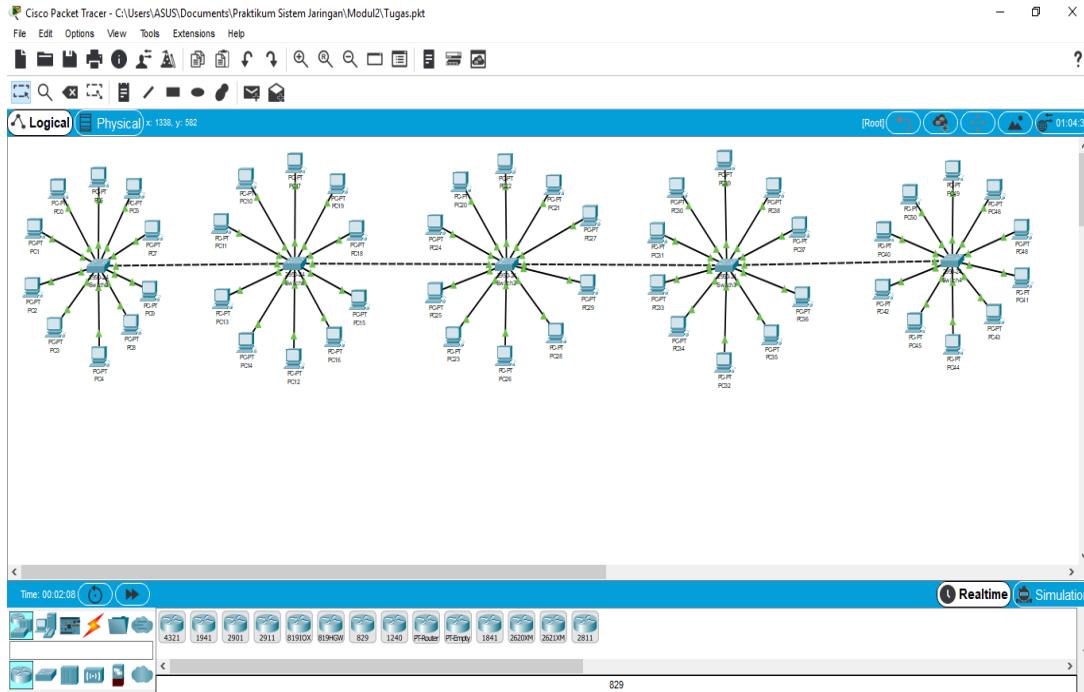
Pinging 192.168.1.1 with 32 bytes of data:
Reply from 192.168.1.1: bytes=32 time<1ms TTL=128
Reply from 192.168.1.1: bytes=32 time<1ms TTL=128
Reply from 192.168.1.1: bytes=32 time=7ms TTL=128
Reply from 192.168.1.1: bytes=32 time<1ms TTL=128

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 = 7ms, Average = 1ms

C:\>
```

Tugas

Membuat rancangan jaringan yang terdiri dari 5 switch yang saling terhubung dan setiap switch terdiri dari 10 pc.



Berikut ini beberapa pc yang telah berhasil menggunakan perintah ping

PC3

Physical Config Desktop Programming Attributes

Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.10.13

Pinging 192.168.10.13 with 32 bytes of data:

Reply from 192.168.10.13: bytes=32 time=3ms TTL=128
Reply from 192.168.10.13: bytes=32 time=3ms TTL=128
Reply from 192.168.10.13: bytes=32 time=1ms TTL=128
Reply from 192.168.10.13: bytes=32 time=15ms TTL=128

Ping statistics for 192.168.10.13:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 15ms, Average = 5ms

C:\>|
```

☐ Top

