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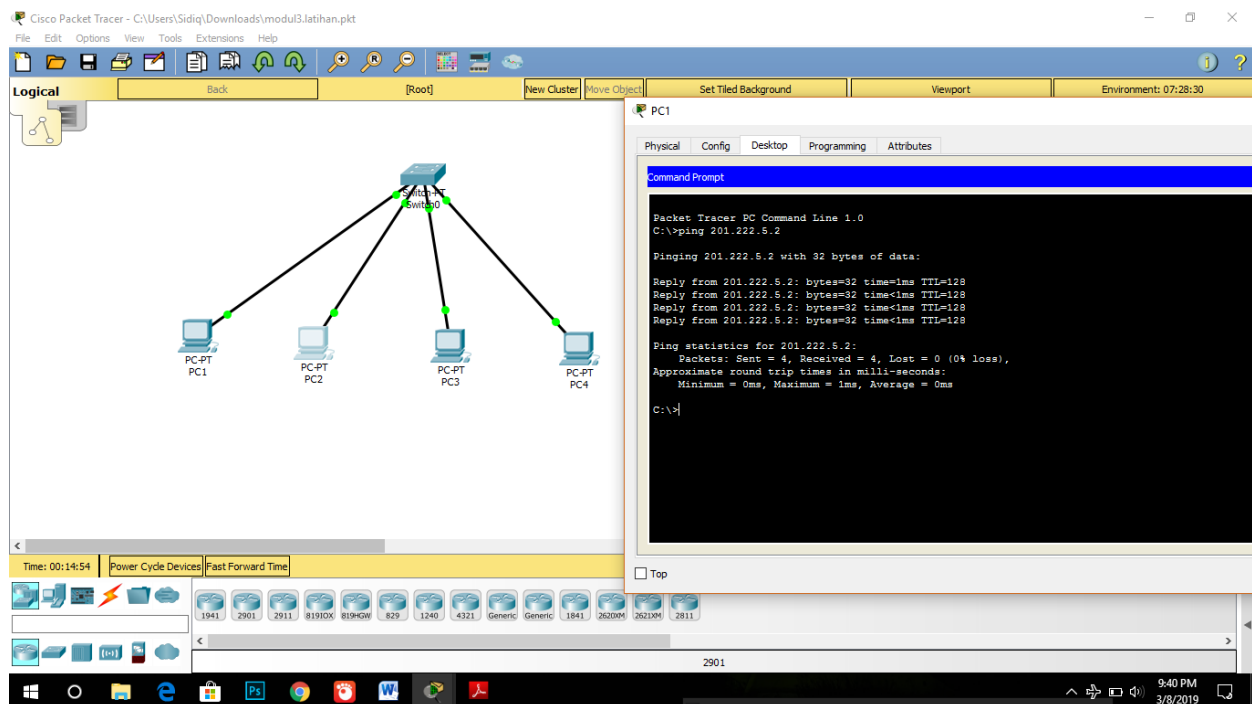
Modul : 3

Kegiatan Praktikum

Latihan

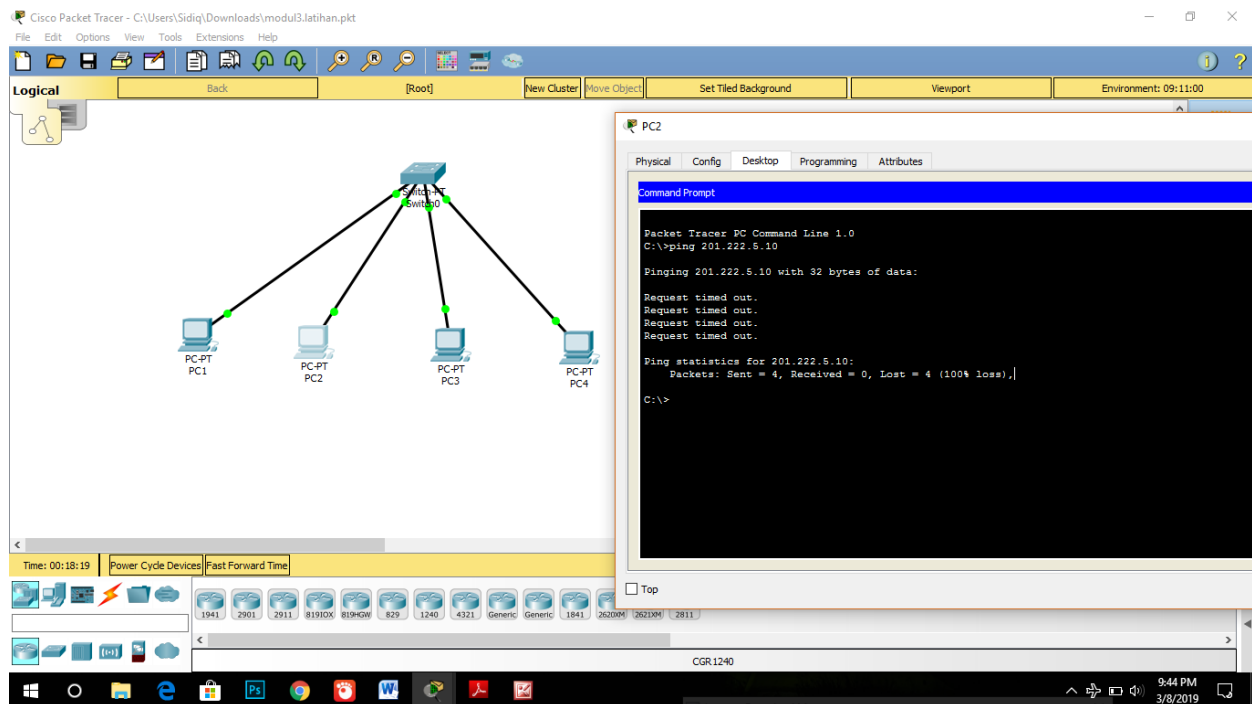
PC1 – PC2

Melakukan Ping dari PC1 ke PC2



PC2-PC4

Melakukan Ping dari PC2 ke PC4



Tugas

Melakukan Ping Pc0 ke PC1

Time: 00:04:15 | Power Cycle Devices | Fast Forward Time

Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>ping 202.155.19.2

Pinging 202.155.19.2 with 32 bytes of data:

Reply from 202.155.19.2: bytes=32 time=1ms TTL=128
Reply from 202.155.19.2: bytes=32 time=1ms TTL=128
Reply from 202.155.19.2: bytes=32 time=1ms TTL=128
Reply from 202.155.19.2: bytes=32 time=1ms TTL=128

Ping statistics for 202.155.19.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
```

Melakukan ping PC2 ke PC5

Time: 00:09:38 | Power Cycle Devices | Fast Forward Time

Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>ping 202.155.19.66

Pinging 202.155.19.66 with 32 bytes of data:

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

Ping statistics for 202.155.19.66:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

Melakukan ping PC3 ke PC4

The network diagram shows a central switch labeled 'Switch-PT' connected to 10 PCs (PC0-PC9). PC3 is connected to the switch, and PC4 is also connected. The switch is labeled 'Switch-PT'.

PC3 Command Prompt Output:

```
Packet Tracer PC Command Line 1.0
C:\>ping 202.155.19.65

Pinging 202.155.19.65 with 32 bytes of data:

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

Ping statistics for 202.155.19.65:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

Melakukan ping PC7 ke PC9

The network diagram shows a central switch labeled 'Switch-PT' connected to 10 PCs (PC0-PC9). PC7 is connected to the switch, and PC9 is also connected. The switch is labeled 'Switch-PT'.

PC7 Command Prompt Output:

```
Packet Tracer PC Command Line 1.0
C:\>ping 202.155.19.130

Pinging 202.155.19.130 with 32 bytes of data:

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

Ping statistics for 202.155.19.130:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

Subnet Mask yang digunakan yaitu 255.255.255.224

Didapat dari pengubahan bilangan biner 00000000 pada blok terakhir menjadi bilangan biner 1.

IIIIII.IIIIII.IIIIII.00000000 -> IIIIII.IIIIII.IIIIII.III00000

Karena diperlukan 5 subnet, maka dengan mengubah 3 digit biner 0 menjadi biner 1 sudah didapatkan $2^3 = 8$ Subnet, dan sudah mencukupi

- JumlahSubnet (2^x)
 $2^3 = 8$ Subnet
- Host perSubnet($2^y - 2$)
 $2^5 - 2 = 30$ Host
- Block Subnet
 $256 - 224 = 32$ IP
- Tabel Subnet

Netwo rk	202.155.1 9.0	202.155.1 9.32	202.155.1 9.64	202.155.19 .96	202.155.19 .128	202.155.19 .160	202.155.19 .192	202.155.19 .224
IP Awal	202.155.1 9.1	202.155.1 9.33	202.155.1 9.65	202.155.19 .97	202.155.19 .129	202.155.19 .161	202.155.19 .193	202.155.19 .225
Ip Akhir	202.155.1 9.30	202.155.1 9.62	202.155.1 9.94	202.155.19 .126	202.155.19 .158	202.155.19 .190	202.155.19 .222	202.155.19 .254
Broadc ast	202.155.1 9.31	202.155.1 9.63	202.155.1 9.95	202.155.19 .127	202.155.19 .159	202.155.19 .191	202.155.19 .223	202.155.19 .255