

LAPORAN PRAKTIKUM JARINGAN KOMPUTER DAN KOMUNIKASI DATA

MODUL KE 4. CISCO PACKET TRACER



Disusun oleh:

- | | |
|--------------------------|------------|
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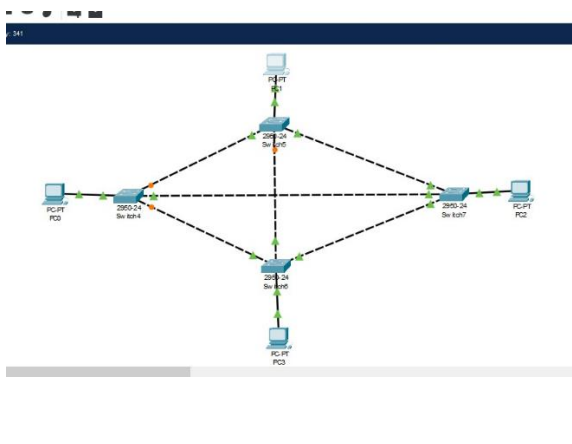
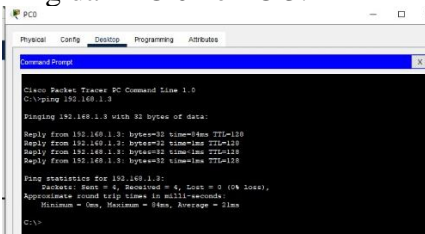

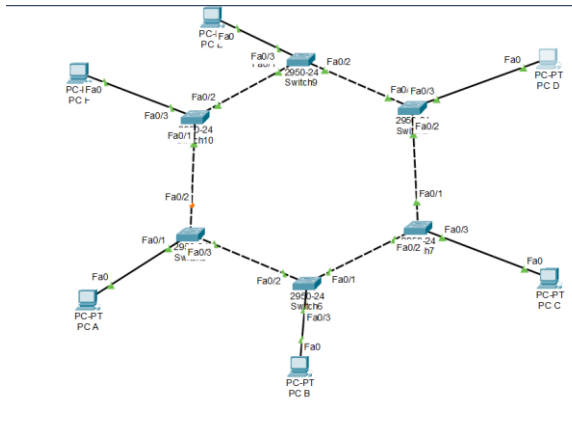
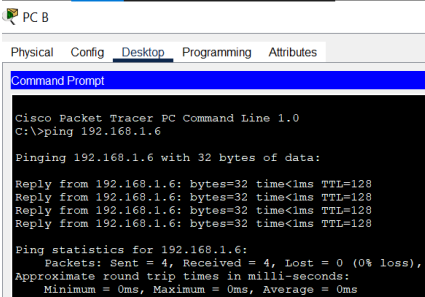
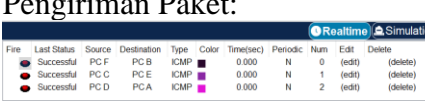
**PROGRAM STUDI SISTEM INFORMASI
FAKULTAS TEKNOLOGI INFORMASI DAN BISNIS
INSTITUT TEKNOLOGI TELKOM SURABAYA**

2023

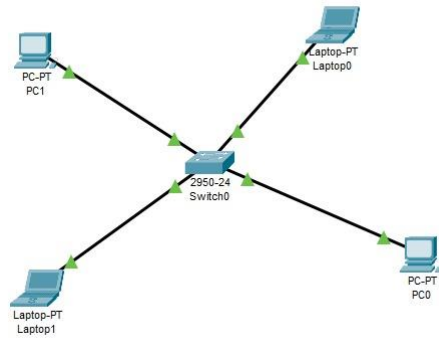
Laporan Praktikum 4. Topologi Sederhana.

Tgl Praktikum :

Masukkan capture layar dari praktikum yang telah dilakukan.

| Topologi | Rangkaian Percobaan | Status (Ping/Pengiriman Paket) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|--|-------------|--------|-------------|----------|-------|-----------|----------|------------|------|--------|------------|------|-------|------|------------|-------|-----|------|--------|----------|------------|------------|------|------|------|-------|-------|---|------------|----------|------------|------|------|-------|---|-------|---|---|--------|----------|
| Mesh |  | <p>Ping dari PC 0 ke PC 3:</p>  <p>Pengiriman Paket:</p>  <table><thead><tr><th>Last Status</th><th>Source</th><th>Destination</th><th>Type</th><th>Color</th><th>Time(sec)</th><th>Periodic</th></tr></thead><tbody><tr><td>Successful</td><td>PC0</td><td>PC3</td><td>ICMP</td><td></td><td>0.000</td><td>N</td></tr><tr><td>Successful</td><td>PC1</td><td>PC2</td><td>ICMP</td><td></td><td>0.000</td><td>N</td></tr><tr><td>Successful</td><td>PC2</td><td>PC3</td><td>ICMP</td><td></td><td>0.000</td><td>N</td></tr><tr><td>Successful</td><td>PC4</td><td>PC5</td><td>ICMP</td><td></td><td>0.000</td><td>N</td></tr></tbody></table> | Last Status | Source | Destination | Type | Color | Time(sec) | Periodic | Successful | PC0 | PC3 | ICMP | | 0.000 | N | Successful | PC1 | PC2 | ICMP | | 0.000 | N | Successful | PC2 | PC3 | ICMP | | 0.000 | N | Successful | PC4 | PC5 | ICMP | | 0.000 | N | | | | | |
| Last Status | Source | Destination | Type | Color | Time(sec) | Periodic | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Successful | PC0 | PC3 | ICMP | | 0.000 | N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Successful | PC1 | PC2 | ICMP | | 0.000 | N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Successful | PC2 | PC3 | ICMP | | 0.000 | N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Successful | PC4 | PC5 | ICMP | | 0.000 | N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ring |  | <p>Ping dari PC B ke PC :</p>  <p>Pengiriman Paket:</p>  <table><thead><tr><th>Last Status</th><th>Source</th><th>Destination</th><th>Type</th><th>Color</th><th>Time(sec)</th><th>Periodic</th><th>Num</th><th>Edit</th><th>Delete</th></tr></thead><tbody><tr><td>Successful</td><td>PC F</td><td>PC B</td><td>ICMP</td><td></td><td>0.000</td><td>N</td><td>0</td><td>(edit)</td><td>(delete)</td></tr><tr><td>Successful</td><td>PC C</td><td>PC E</td><td>ICMP</td><td></td><td>0.000</td><td>N</td><td>1</td><td>(edit)</td><td>(delete)</td></tr><tr><td>Successful</td><td>PC D</td><td>PC A</td><td>ICMP</td><td></td><td>0.000</td><td>N</td><td>2</td><td>(edit)</td><td>(delete)</td></tr></tbody></table> | Last Status | Source | Destination | Type | Color | Time(sec) | Periodic | Num | Edit | Delete | Successful | PC F | PC B | ICMP | | 0.000 | N | 0 | (edit) | (delete) | Successful | PC C | PC E | ICMP | | 0.000 | N | 1 | (edit) | (delete) | Successful | PC D | PC A | ICMP | | 0.000 | N | 2 | (edit) | (delete) |
| Last Status | Source | Destination | Type | Color | Time(sec) | Periodic | Num | Edit | Delete | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Successful | PC F | PC B | ICMP | | 0.000 | N | 0 | (edit) | (delete) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Successful | PC C | PC E | ICMP | | 0.000 | N | 1 | (edit) | (delete) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Successful | PC D | PC A | ICMP | | 0.000 | N | 2 | (edit) | (delete) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Star



Ping:

Physical Config Desktop Programming Attributes

Command Prompt

```

Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.0.2

Pinging 192.168.0.2 with 32 bytes of data:

Reply from 192.168.0.2: bytes=32 time<1ms TTL=128
Reply from 192.168.0.2: bytes=32 time=2ms TTL=128
Reply from 192.168.0.2: bytes=32 time<1ms TTL=128
Reply from 192.168.0.2: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 2ms, Average = 0ms

C:\>
  
```

Pengiriman Paket:

| Fire | Last Status | Source | Destination | Type | Color | Time(sec) | Periodic |
|------|-------------|--------|-------------|------|--------|-----------|----------|
| | Successful | PC1 | Laptop1 | ICMP | Red | 0.000 | N |
| | Successful | PC0 | PC1 | ICMP | Green | 0.000 | N |
| | Successful | PC1 | Laptop0 | ICMP | Blue | 0.000 | N |
| | Successful | PC1 | Laptop1 | ICMP | Yellow | 0.000 | N |

Bus



Physical Config Desktop Programming Attributes

Command Prompt

```

Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.5.27

Pinging 192.168.5.27 with 32 bytes of data:

Reply from 192.168.5.27: bytes=32 time=0ms TTL=128
Reply from 192.168.5.27: bytes=32 time=0ms TTL=128
Reply from 192.168.5.27: bytes=32 time=0ms TTL=128
Reply from 192.168.5.27: bytes=32 time=0ms TTL=128

Ping statistics for 192.168.5.27:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.168.5.22

Pinging 192.168.5.22 with 32 bytes of data:

Reply from 192.168.5.22: bytes=32 time=0ms TTL=128
Reply from 192.168.5.22: bytes=32 time=0ms TTL=128
Reply from 192.168.5.22: bytes=32 time=0ms TTL=128
Reply from 192.168.5.22: bytes=32 time=0ms TTL=128

Ping statistics for 192.168.5.22:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.168.5.4

Pinging 192.168.5.4 with 32 bytes of data:

Reply from 192.168.5.4: bytes=32 time=0ms TTL=128
Reply from 192.168.5.4: bytes=32 time=0ms TTL=128
Reply from 192.168.5.4: bytes=32 time=0ms TTL=128
Reply from 192.168.5.4: bytes=32 time=0ms TTL=128

Ping statistics for 192.168.5.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
  
```

Pengiriman Paket:

| Fire | Last Status | Source | Destination | Type | Color | Time(sec) | Periodic | Nam | Edit | Delete |
|------|-------------|--------|-------------|------|--------|-----------|----------|-----|--------|----------|
| | Successful | PC0 | PC2 | ICMP | Red | 0.000 | N | 0 | (edit) | (delete) |
| | Successful | PC1 | PC2 | ICMP | Green | 0.000 | N | 1 | (edit) | (delete) |
| | Successful | PC3 | PC1 | ICMP | Blue | 0.000 | N | 2 | (edit) | (delete) |
| | Successful | PC1 | PC3 | ICMP | Yellow | 0.000 | N | 3 | (edit) | (delete) |