

1 Desember 2023

LAPORAN RESMI
KONSEP JARINGAN



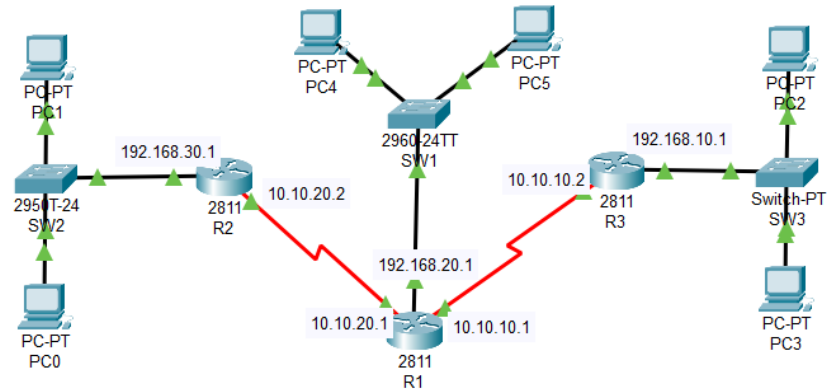
Ferry Astika ST., M.sc.

Nama : Abdul Khalim Efendi
Kelas : D4 IT A
NRP : 3122600019

UAS KONSEP JARINGAN

1. Soal 1

Konfigurasi tabel routing pada R1, R2 dan R3 dengan menggunakan statik routing sehingga seluruh PC yang ada dapat terhubung dengan baik.



R1

Physical Config CLI Attributes

GLOBAL

- Settings
- Algorithm Settings

ROUTING

- Static
- RIP

SWITCHING

- VLAN Database

INTERFACE

- FastEthernet0/0
- FastEthernet0/1
- Serial0/0/0
- Serial0/0/1
- Serial0/1/0
- Serial0/1/1
- FastEthernet1/0
- FastEthernet1/1
- FastEthernet1/2
- FastEthernet1/3
- FastEthernet1/4
- FastEthernet1/5
- FastEthernet1/6
- FastEthernet1/7

Static Routes

Network

Mask

Next Hop

Add

Network Address

192.168.30.0/24 via 10.10.20.2

192.168.10.0/24 via 10.10.10.2

Remove

R2

Physical

Config

CLI

Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

Serial0/0/0

Serial0/0/1

Serial0/1/0

Serial0/1/1

FastEthernet1/0

FastEthernet1/1

FastEthernet1/2

FastEthernet1/3

FastEthernet1/4

FastEthernet1/5

FastEthernet1/6

FastEthernet1/7

Static Routes

Network

Mask

Next Hop

Add

Network Address

192.168.20.0/24 via 10.10.20.1

192.168.10.0/24 via 10.10.20.1

Remove

R3

Physical

Config

CLI

Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

Serial0/0/0

Serial0/0/1

Serial0/1/0

Serial0/1/1

FastEthernet1/0

FastEthernet1/1

FastEthernet1/2

FastEthernet1/3

FastEthernet1/4

FastEthernet1/5

FastEthernet1/6

FastEthernet1/7

Static Routes

Network

Mask

Next Hop

Add

Network Address

192.168.20.0/24 via 10.10.10.1

192.168.30.0/24 via 10.10.10.1

Remove

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.30.2

Pinging 192.168.30.2 with 32 bytes of data:

Reply from 192.168.30.2: bytes=32 time<1ms TTL=128
Reply from 192.168.30.2: bytes=32 time<1ms TTL=128
Reply from 192.168.30.2: bytes=32 time<1ms TTL=128
Reply from 192.168.30.2: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.30.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.168.20.2

Pinging 192.168.20.2 with 32 bytes of data:

Request timed out.
Reply from 192.168.20.2: bytes=32 time=7ms TTL=126
Reply from 192.168.20.2: bytes=32 time=12ms TTL=126
Reply from 192.168.20.2: bytes=32 time=13ms TTL=126

Ping statistics for 192.168.20.2:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 7ms, Maximum = 13ms, Average = 10ms

C:\>ping 192.168.10.2

Pinging 192.168.10.2 with 32 bytes of data:

Request timed out.
Reply from 192.168.10.2: bytes=32 time=12ms TTL=125
Reply from 192.168.10.2: bytes=32 time=22ms TTL=125
Reply from 192.168.10.2: bytes=32 time=26ms TTL=125

Ping statistics for 192.168.10.2:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 12ms, Maximum = 26ms, Average = 20ms

C:\>
```

2. Soal 2

Abdul Khalim Efendi
3122600019

R1

Physical

Config

CLI

Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

FastEthernet0/3/0

FastEthernet0/3/1

FastEthernet0/3/2

FastEthernet0/3/3

Serial1/0

Serial1/1

Serial1/2

Serial1/3

Serial1/4

Serial1/5

Serial1/6

Serial1/7

Static Routes

Network

Mask

Next Hop

Add

Network Address

192.168.10.0/24 via 10.10.10.2

192.168.1.0/24 via 10.10.10.2

Remove

R2

Physical

Config

CLI

Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

FastEthernet0/3/0

FastEthernet0/3/1

FastEthernet0/3/2

FastEthernet0/3/3

Serial1/0

Serial1/1

Serial1/2

Serial1/3

Serial1/4

Serial1/5

Serial1/6

Serial1/7

Static Routes

Network

Mask

Next Hop

Add

Network Address

192.168.20.0/24 via 10.10.10.1

200.100.10.0/24 via 10.10.10.1

Remove

ISP

Physical

Config

CLI

Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

FastEthernet0/3/0

FastEthernet0/3/1

FastEthernet0/3/2

FastEthernet0/3/3

Serial1/0

Serial1/1

Serial1/2

Serial1/3

Serial1/4

Serial1/5

Serial1/6

Serial1/7

Static Routes

Network

Mask

Next Hop

Add

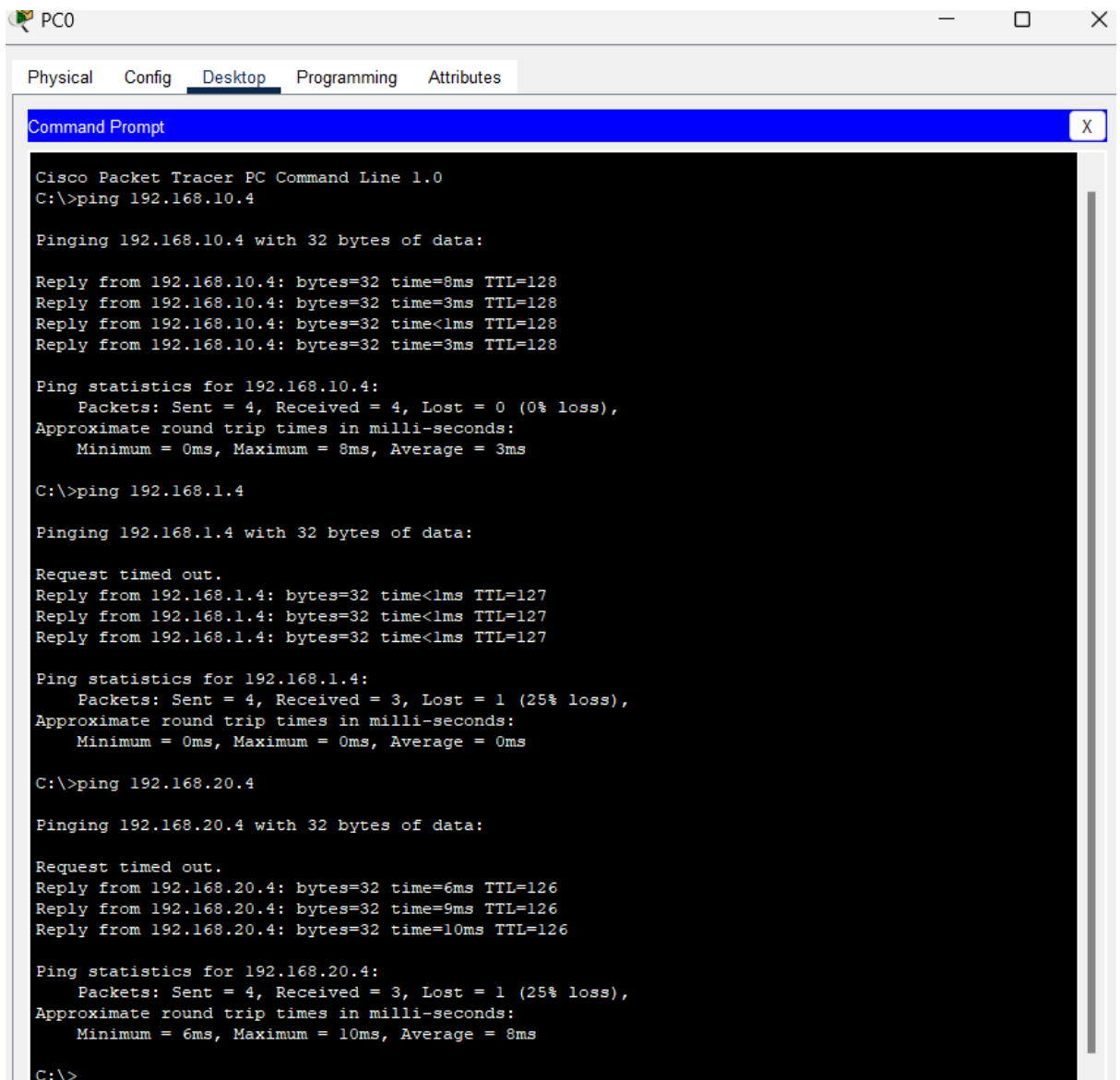
Network Address

192.168.10.0/24 via 200.100.10.1

192.168.1.0/24 via 200.100.10.1

192.168.20.0/24 via 200.100.10.1

Remove



The screenshot shows a Cisco Packet Tracer PC Command Line window for PC0. The window has tabs for Physical, Config, Desktop, Programming, and Attributes. The Desktop tab is active, displaying a Command Prompt window. The Command Prompt shows the following output:

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.10.4

Pinging 192.168.10.4 with 32 bytes of data:

Reply from 192.168.10.4: bytes=32 time=8ms TTL=128
Reply from 192.168.10.4: bytes=32 time=3ms TTL=128
Reply from 192.168.10.4: bytes=32 time<1ms TTL=128
Reply from 192.168.10.4: bytes=32 time=3ms TTL=128

Ping statistics for 192.168.10.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 8ms, Average = 3ms

C:\>ping 192.168.1.4

Pinging 192.168.1.4 with 32 bytes of data:

Request timed out.
Reply from 192.168.1.4: bytes=32 time<1ms TTL=127
Reply from 192.168.1.4: bytes=32 time<1ms TTL=127
Reply from 192.168.1.4: bytes=32 time<1ms TTL=127

Ping statistics for 192.168.1.4:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.168.20.4

Pinging 192.168.20.4 with 32 bytes of data:

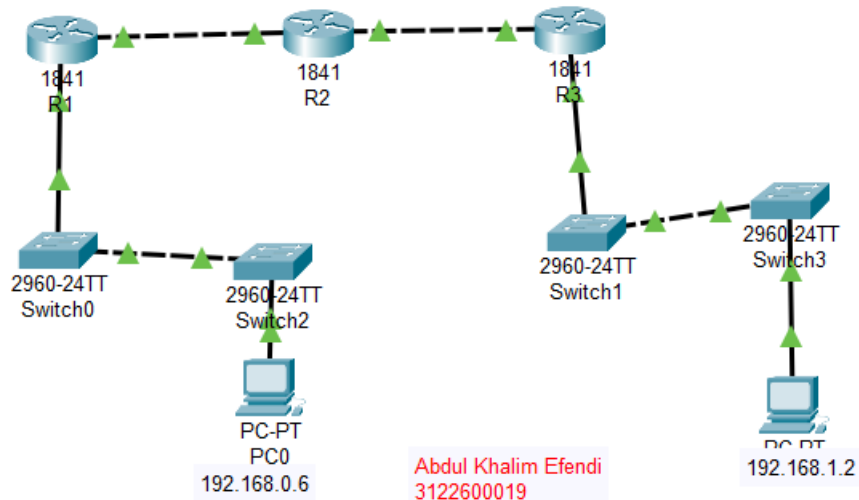
Request timed out.
Reply from 192.168.20.4: bytes=32 time=6ms TTL=126
Reply from 192.168.20.4: bytes=32 time=9ms TTL=126
Reply from 192.168.20.4: bytes=32 time=10ms TTL=126

Ping statistics for 192.168.20.4:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 6ms, Maximum = 10ms, Average = 8ms

C:\>
```

3. Soal 3

Permasalahan yang harus di selesaikan :
PC0 tidak bisa ping ke PC 1 !



R1

Physical **Config** CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

Static Routes

Network

Mask

Next Hop

Add

Network Address

192.168.1.0/24 via 10.0.0.2

Remove

R2

Physical

Config

CLI

Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

Static Routes

Network

Mask

Next Hop

Add

Network Address

192.168.1.0/24 via 172.16.0.2

192.168.0.0/24 via 10.0.0.1

Remove

R3

Physical

Config

CLI

Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

Static Routes

Network

Mask

Next Hop

Add

Network Address

192.168.0.0/24 via 172.16.0.1

Remove

