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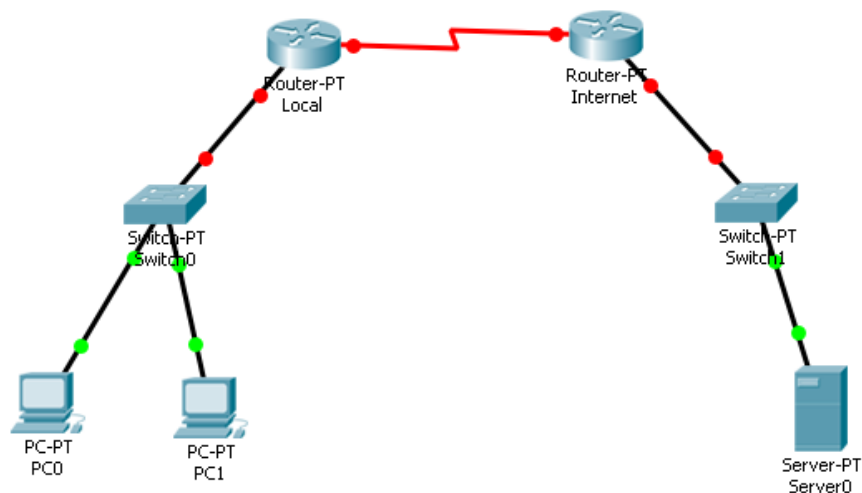
Kelas : D – Prak.Jarkom

NIM : L200170179

Kegiatan Modul 9

Pengenalan static Network address Translation

Struktur Topologi



1. Konfigurasi tiap-tiap router

a. Router Internet

```
Router>en
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname Internet
Internet(config)#conf term
%Invalid hex value
Internet(config)#int fa0/0
Internet(config-if)#ip address 10.0.0.1 255.0.0.0
Internet(config-if)#no shut

Internet(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0,
changed state to up

Internet(config-if)#ex
Internet(config)#int se2/0
Internet(config-if)#ip address 20.0.0.2 255.0.0.0
Internet(config-if)#no shut

%LINK-5-CHANGED: Interface Serial2/0, changed state to down
Internet(config-if)#ex
Internet(config)#int se3/0
```

```

Internet(config)#ip route 30.0.0.0 255.0.0.0 20.0.0.1
Internet(config)#ip nat inside source static 10.0.0.2 50.0.0.1
Internet(config)#int fa0/0
Internet(config-if)#ip nat inside
Internet(config-if)#ex
Internet(config)#int se2/0
Internet(config-if)#ip nat outside
Internet(config-if)#ex
Internet(config)#
%LINK-5-CHANGED: Interface Serial2/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0,
changed state to up
|

```

a. Router Local

```

Router>en
Router#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#hostname lokal
lokal(config)#conf term
%Invalid hex value
lokal(config)#int fa0/0
lokal(config-if)#ip address 10.0.0.1 255.0.0.0
lokal(config-if)#no shut

lokal(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0,
changed state to up

lokal(config-if)#ex
lokal(config)#int se2/0
lokal(config-if)#ip address 20.0.0.1 255.0.0.0
lokal(config-if)#clock rate 64000
lokal(config-if)#bandwidth 64
lokal(config-if)#no shut

lokal(config-if)#
%LINK-5-CHANGED: Interface Serial2/0, changed state to up

lokal(config-if)#ex
lokal(config)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0,
changed state to up
ip route 50.0.0.0 255.0.0.0 20.0.0.2
lokal(config)#ip route 50.0.0.0 255.0.0.0 20.0.0.2
lokal(config)#ex
lokal#
%SYS-5-CONFIG_I: Configured from console by console
|

```

2. Uji koneksi dari PC Lokal ke web server, Ke IP Private server dan Public Server.

```
C:\>ping 50.0.0.1

Pinging 50.0.0.1 with 32 bytes of data:

Reply from 50.0.0.1: bytes=32 time=2ms TTL=126
Reply from 50.0.0.1: bytes=32 time=2ms TTL=126
Reply from 50.0.0.1: bytes=32 time=1ms TTL=126
Reply from 50.0.0.1: bytes=32 time=10ms TTL=126

Ping statistics for 50.0.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 10ms, Average = 3ms

C:\>ping 10.0.0.2

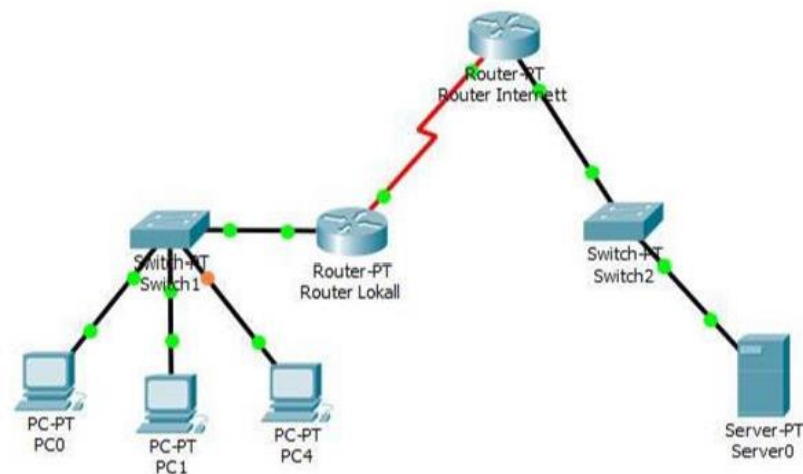
Pinging 10.0.0.2 with 32 bytes of data:

Reply from 30.0.0.1: Destination host unreachable.
Reply from 30.0.0.1: Destination host unreachable.
Reply from 30.0.0.1: Destination host unreachable.
Reply from 30.0.0.1: Destination host unreachable.

Ping statistics for 10.0.0.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

3. Mengembangkan Topologi



Test PING

```
C:\>ping 50.0.0.1

Pinging 50.0.0.1 with 32 bytes of data:

Reply from 50.0.0.1: bytes=32 time=2ms TTL=126
Reply from 50.0.0.1: bytes=32 time=11ms TTL=126
Reply from 50.0.0.1: bytes=32 time=13ms TTL=126
Reply from 50.0.0.1: bytes=32 time=12ms TTL=126

Ping statistics for 50.0.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 2ms, Maximum = 13ms, Average = 9ms

C:\>
```