

TUGAS JARINGAN KOMPUTER



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JURUSAN SISTEM KOMPUTER

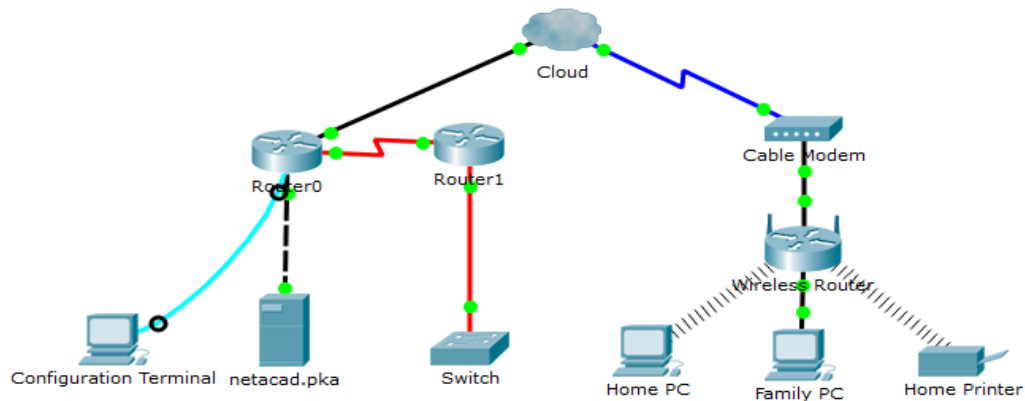
FAKULTAS ILMU KOMPUTER

UNIVERSITAS SRIWIJAYA

2016

2. Connecting a wired and wireless LAN

*Part 1,2 dan 3



*Part 4 : Verify Connections

Step 1 : a) Open the Family PC command prompt and ping netacad.pka.

```
Command Prompt
Packet Tracer PC Command Line 1.0
PC>ping netacad.pka

Pinging 10.0.0.254 with 32 bytes of data:

Reply from 10.0.0.254: bytes=32 time=12ms TTL=126
Reply from 10.0.0.254: bytes=32 time=12ms TTL=126
Reply from 10.0.0.254: bytes=32 time=27ms TTL=126
Reply from 10.0.0.254: bytes=32 time=11ms TTL=126

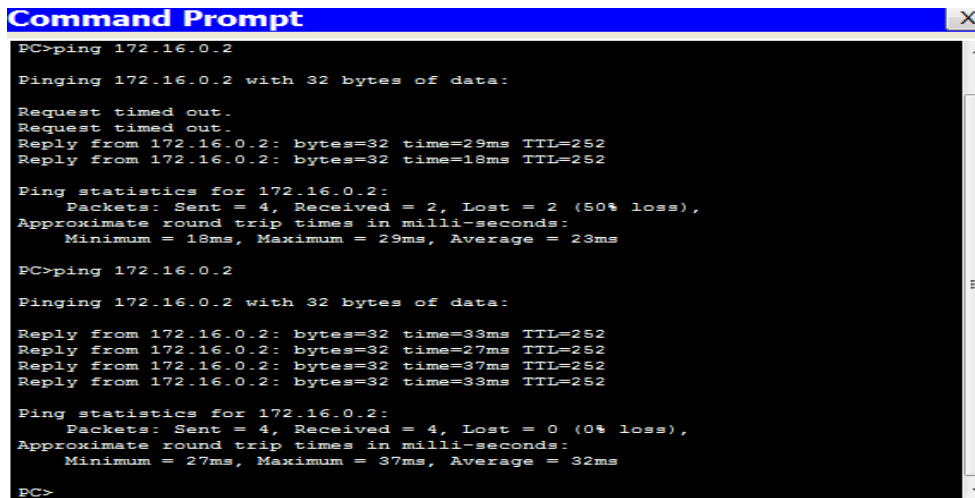
Ping statistics for 10.0.0.254:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 11ms, Maximum = 27ms, Average = 16ms

PC>
```

b) Open the Web Browser and the web address <http://netacad.pka>.



Step 2 : Open the **Home PC** command prompt and ping the **Switch** IP address of to verify the connection.



```
PC>ping 172.16.0.2

Pinging 172.16.0.2 with 32 bytes of data:

Request timed out.
Request timed out.
Reply from 172.16.0.2: bytes=32 time=29ms TTL=252
Reply from 172.16.0.2: bytes=32 time=18ms TTL=252

Ping statistics for 172.16.0.2:
    Packets: Sent = 4, Received = 2, Lost = 2 (50% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 18ms, Maximum = 29ms, Average = 23ms

PC>ping 172.16.0.2

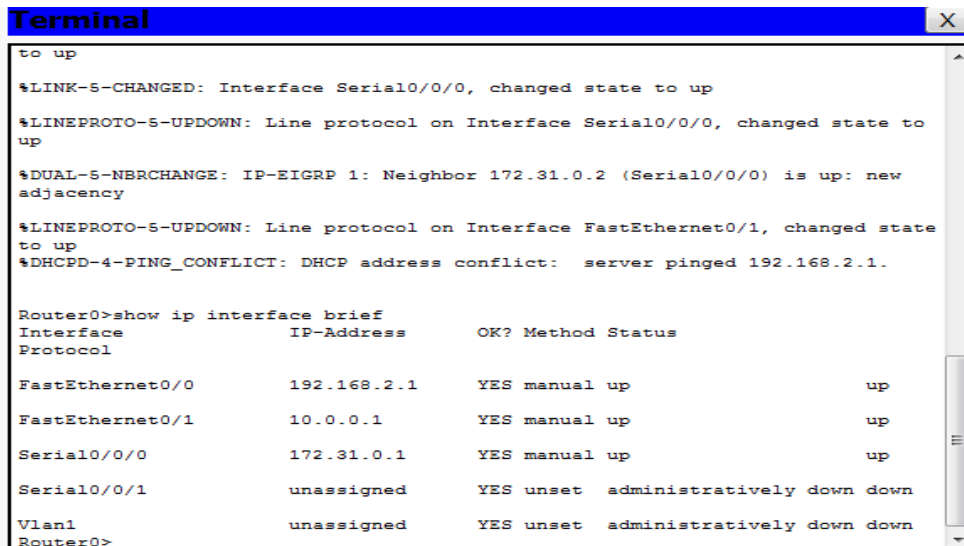
Pinging 172.16.0.2 with 32 bytes of data:

Reply from 172.16.0.2: bytes=32 time=33ms TTL=252
Reply from 172.16.0.2: bytes=32 time=27ms TTL=252
Reply from 172.16.0.2: bytes=32 time=37ms TTL=252
Reply from 172.16.0.2: bytes=32 time=33ms TTL=252

Ping statistics for 172.16.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 27ms, Maximum = 37ms, Average = 32ms

PC>
```

Step 3 : Show ip interface brief to view interface statuses.



```
to up

%LINK-5-CHANGED: Interface Serial0/0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0/0, changed state to up

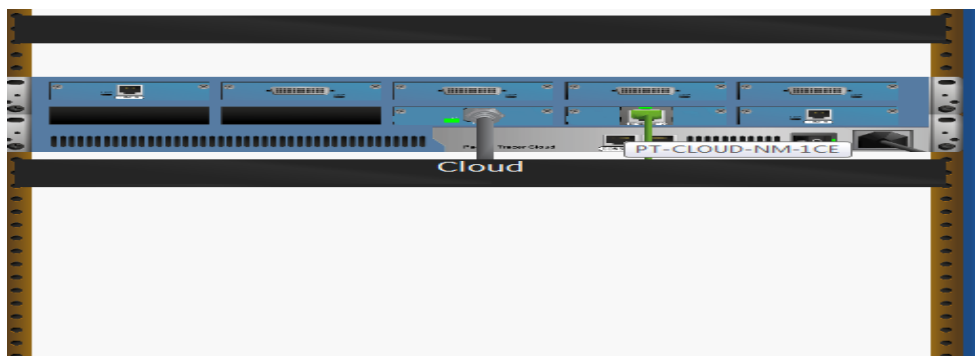
%DUAL-5-NBRCHANGE: IP-EIGRP 1: Neighbor 172.31.0.2 (Serial0/0/0) is up: new adjacency

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
%DHCPD-4-PING_CONFLICT: DHCP address conflict: server pinged 192.168.2.1.

Router0>show ip interface brief
Interface              IP-Address      OK? Method Status
Protocol
FastEthernet0/0        192.168.2.1     YES manual up
FastEthernet0/1        10.0.0.1        YES manual up
Serial0/0/0            172.31.0.1     YES manual up
Serial0/0/1            unassigned      YES unset  administratively down down
Vlan1                  unassigned      YES unset  administratively down down
Router0>
```

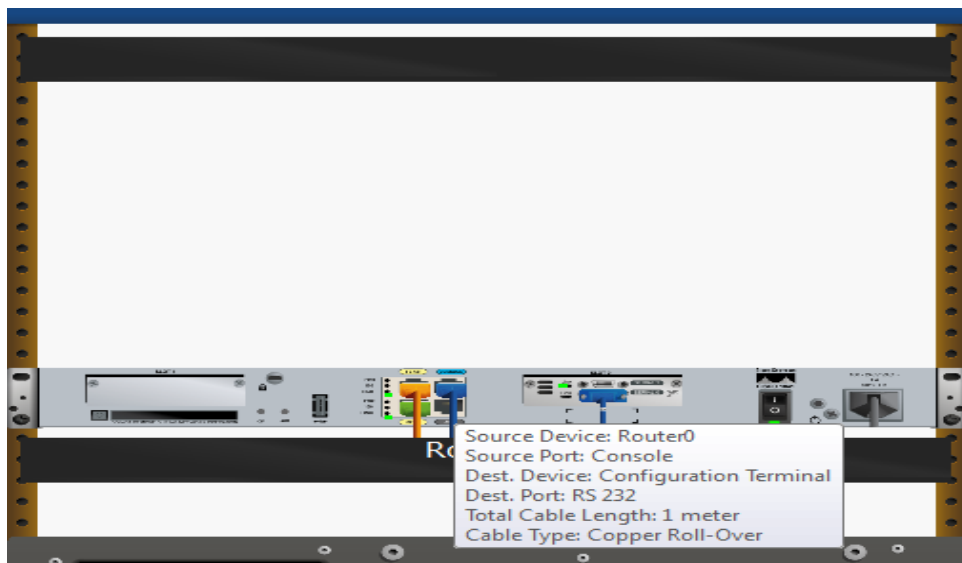
Part 5: Examine the Physical Topology

Step 1: Examine the Cloud



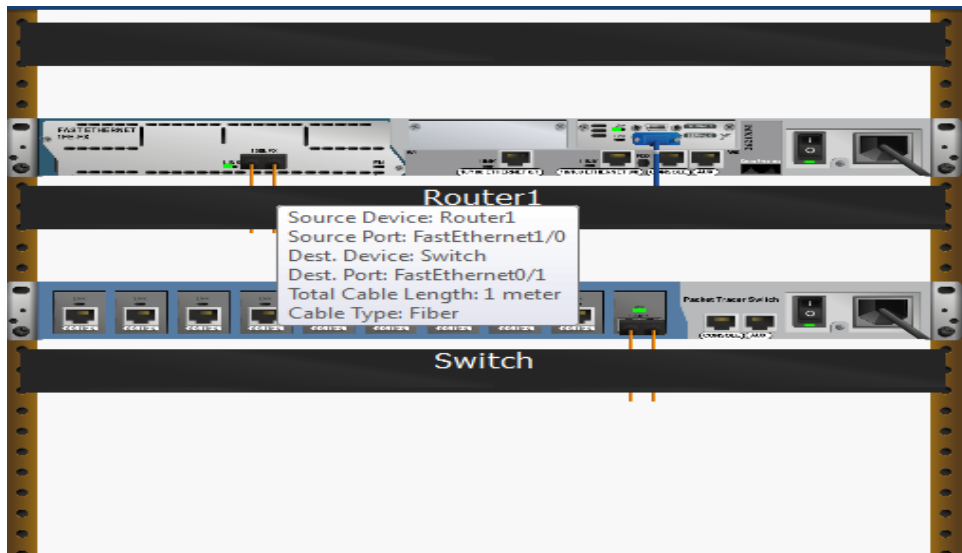
Banyak kabel yang tersambung ke switch di blue rack adalah 2

Step 2: Examine the Primary Network



Yang berada di table of the right of blue rack adalah Configuration Terminal

Step 3: Examine the Secondary Network



Kabel serat ada berpasangan, satu untuk mengirimkan dan yang satu untuk menerima

Step 4: Examine the Home Network



Karena jaringan rumah biasanya tidak memiliki rak