

Task 4
Jaringan Komputer



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Part 1: Connect to the Cloud

Step 1: Connect the cloud to Router0.

- a. At the bottom left, click the orange lightning icon to open the available **Connections**.
- b. Choose the correct cable to connect **Router0 Fa0/0** to **Cloud Eth6**. **Cloud** is a type of switch, so use a

Copper Straight-Through connection. If you attached the correct cable, the link lights on the cable turn green.

Step 2: Connect the cloud to Cable Modem.

Choose the correct cable to connect **Cloud Coax7** to **Modem Port0**.

If you attached the correct cable, the link lights on the cable turn green.

Part 2: Connect Router0

Step 1: Connect Router0 to Router1.

Choose the correct cable to connect **Router0 Ser0/0/0** to **Router1 Ser0/0**. Use one of the available **Serial** cables.

If you attached the correct cable, the link lights on the cable turn green.

Step 2: Connect Router0 to netacad.pka.

Choose the correct cable to connect **Router0 Fa0/1** to **netacad.pka Fa0**. Routers and computers traditionally use the same wires to transmit (1 and 2) and receive (3 and 6). The correct cable to choose consists of these

crossed wires. Although many NICs can now autosense which pair is used to transmit and receive,

Router0

and **netacad.pka** do not have autosensing NICs.

If you attached the correct cable, the link lights on the cable turn green.

Step 3: Connect Router0 to the Configuration Terminal.

Choose the correct cable to connect **Router0 Console** to **Configuration Terminal RS232**. This cable does

not provide network access to **Configuration Terminal**, but allows you to configure **Router0** through its terminal.

If you attached the correct cable, the link lights on the cable turn black.

Part 3: Connect Remaining Devices

Step 1: Connect Router1 to Switch.

Choose the correct cable to connect **Router1 Fa1/0** to **Switch Fa0/1**.

If you attached the correct cable, the link lights on the cable turn green. Allow a few seconds for the light to transition from amber to green.

Step 2: Connect Cable Modem to Wireless Router.

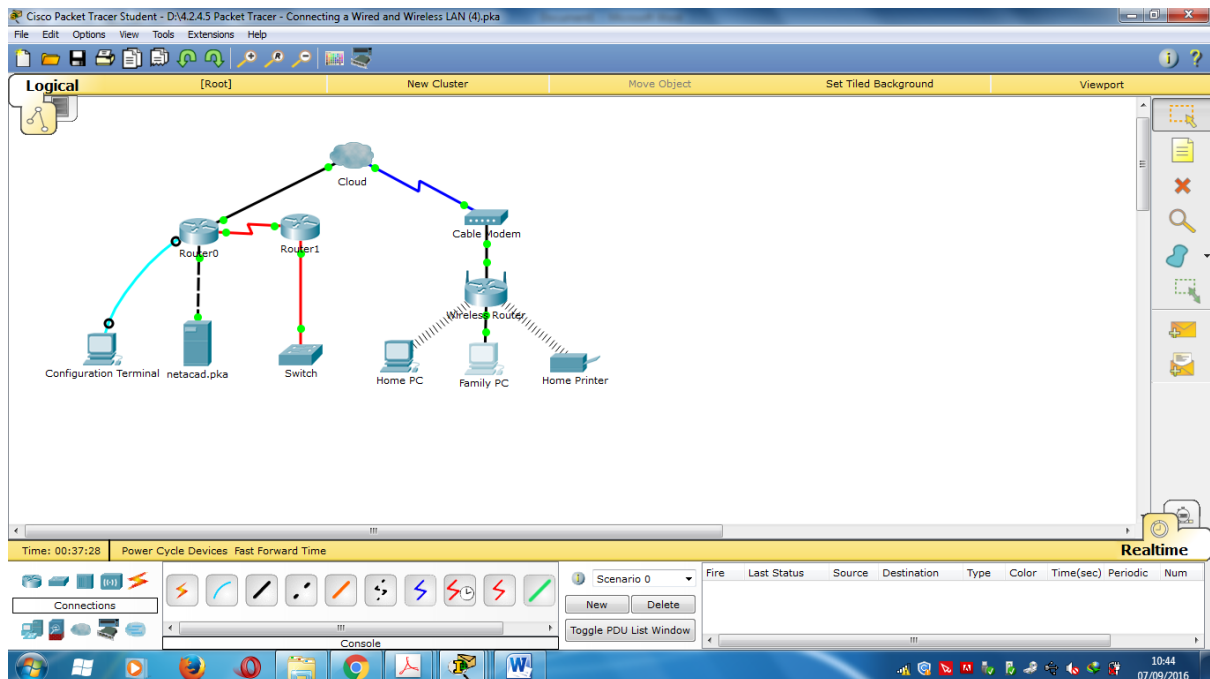
Choose the correct cable to connect **Modem Port1** to **Wireless Router Internet** port.

If you attached the correct cable, the link lights on the cable will turn green.

Step 3: Connect Wireless Router to Family PC.

Choose the correct cable to connect **Wireless Router Ethernet 1** to **Family PC**.

If you attached the correct cable, the link lights on the cable turn green.



Part 4: Verify Connections

Step 1: Test the connection from Family PC to netacad.pka.

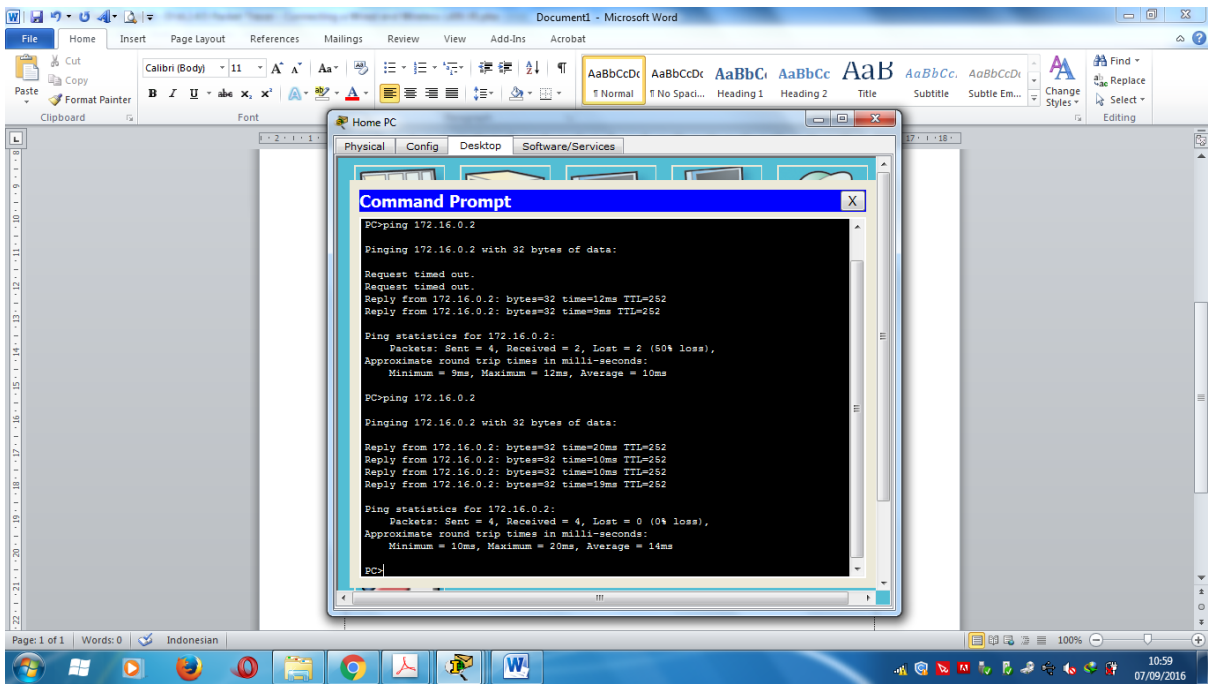
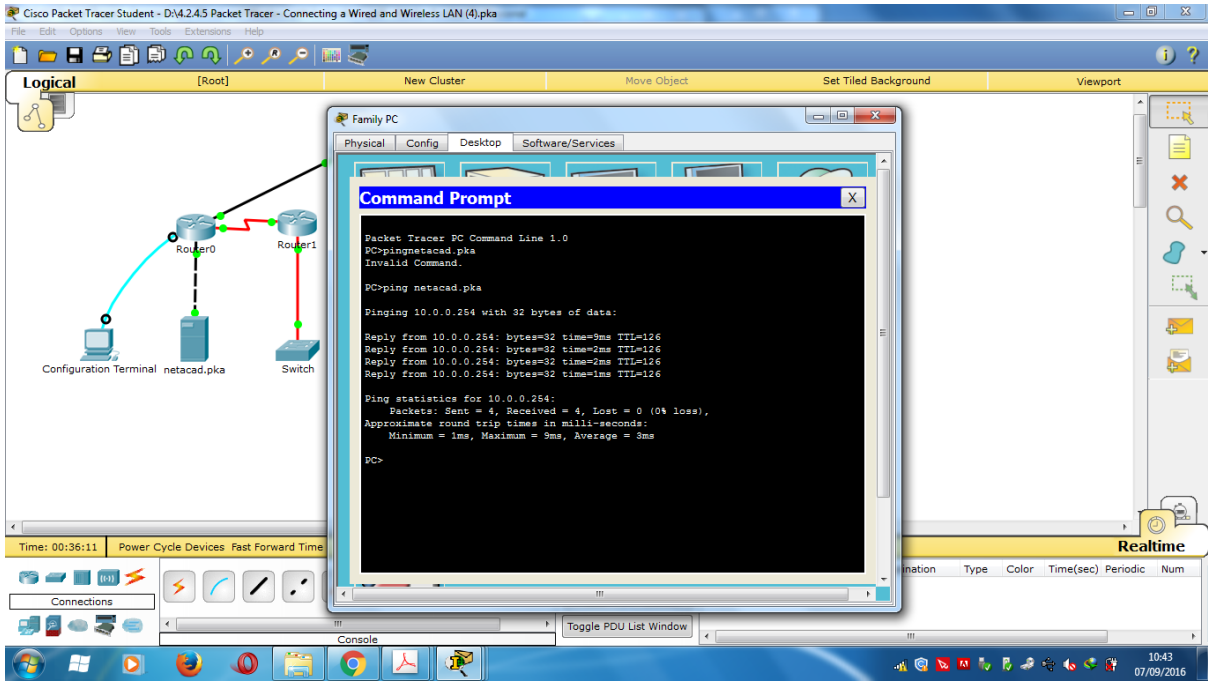
- Open the **Family PC** command prompt and ping **netacad.pka**.
- Open the **Web Browser** and the web address **http://netacad.pka**.

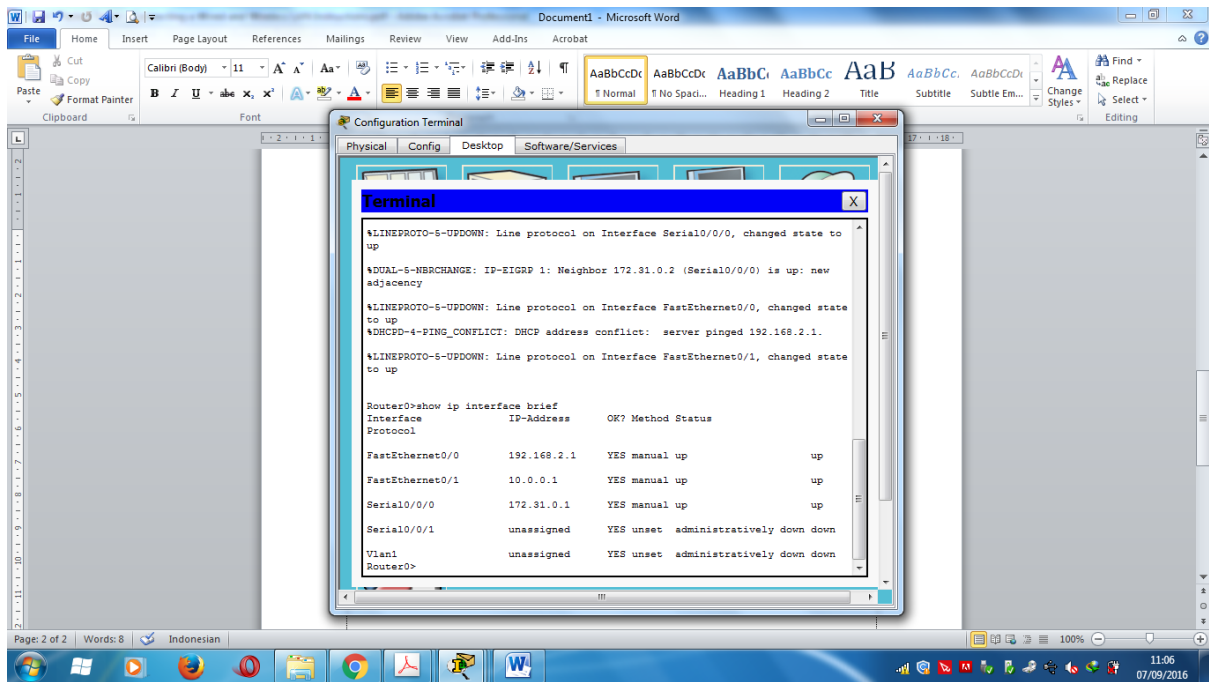
Step 2: Ping the Switch from Home PC.

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

Step 3: Open Router0 from Configuration Terminal.

- Open the **Terminal** of **Configuration Terminal** and accept the default settings.
- Press **Enter** to view the **Router0** command prompt.
- Type **show ip interface brief** to view interface statuses.





Part 5: Examine the Physical Topology

Step 1: Examine the Cloud.

- Click the **Physical Workspace** tab or press **Shift+P** and **Shift+L** to toggle between the logical and physical workspaces.
- Click the **Home City** icon.
- Click the **Cloud** icon. How many wires are connected to the switch in the blue rack?
- Click **Back** to return to **Home City**.

Step 2: Examine the Primary Network.

- Click the **Primary Network** icon. Hold the mouse pointer over the various cables. What is located on the table to the right of the blue rack?
- Click **Back** to return to **Home City**.

Step 3: Examine the Secondary Network.

- Click the **Secondary Network** icon. Hold the mouse pointer over the various cables. Why are there two orange cables connected to each device?
- Click **Back** to return to **Home City**.

Step 4: Examine the Home Network.

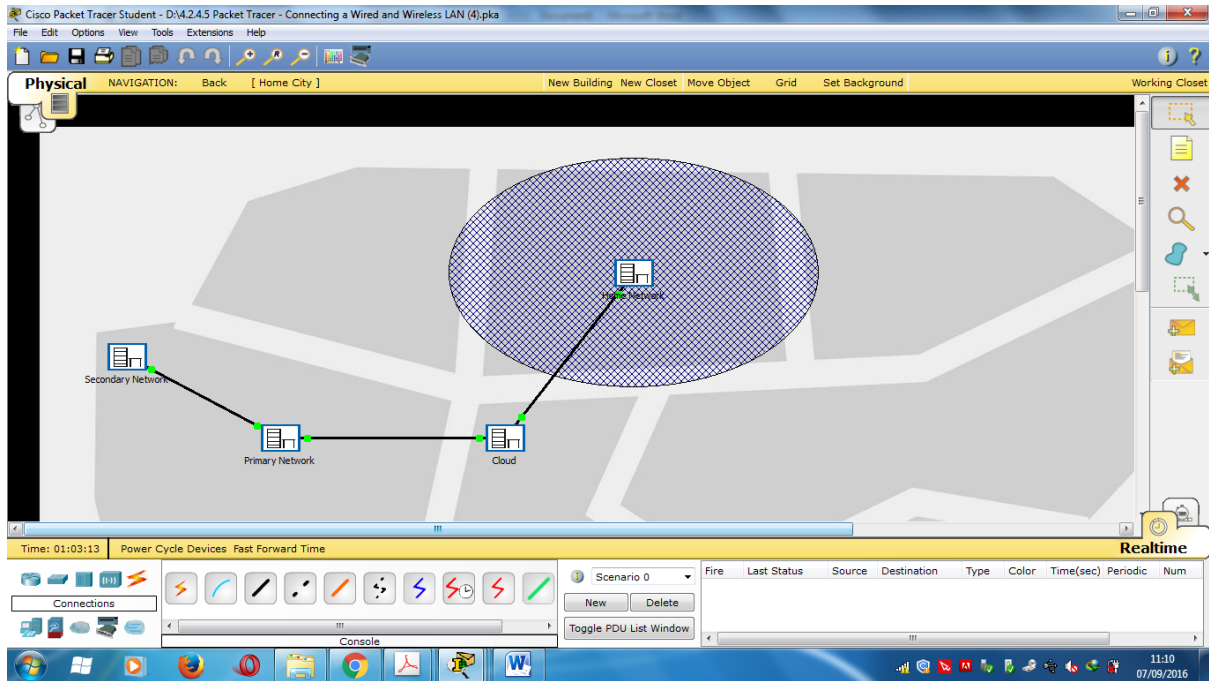
- Why is there an oval mesh covering the home network?
Merupakan jangkauan jaringan nirkabel

b. Click the **Home Network** icon. Why is there no rack to hold the equipment?

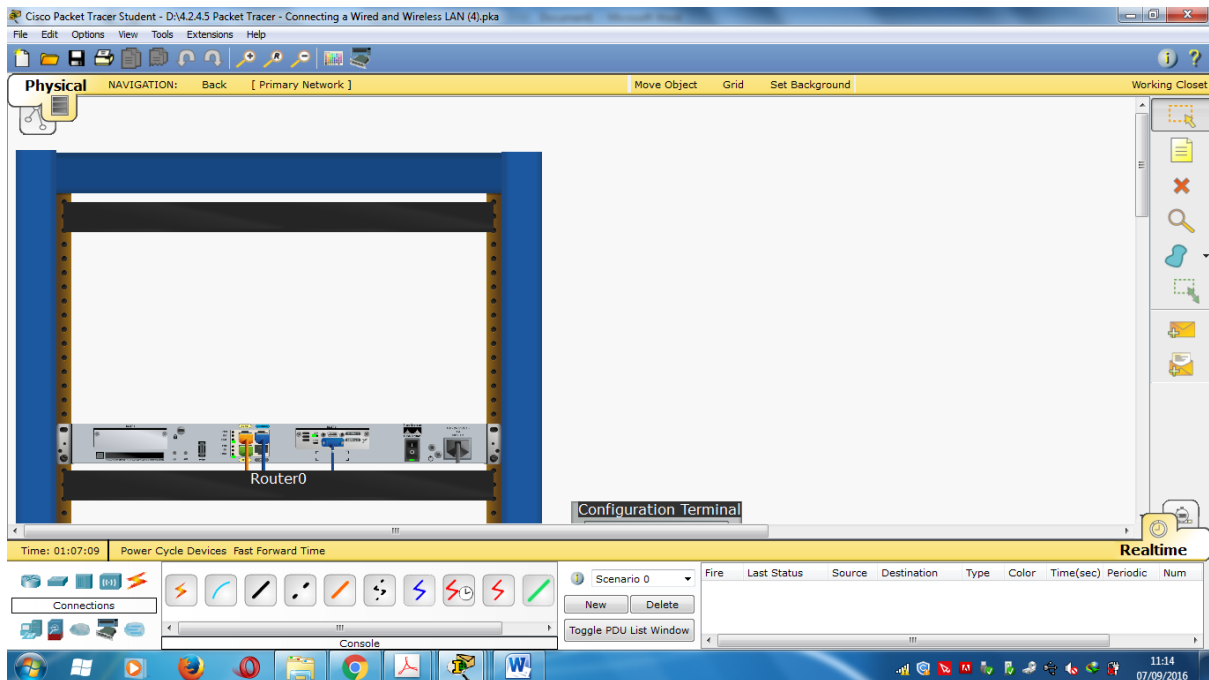
Karena jaringan dirumah biasanya tidak memiliki rack

c. Click the **Logical Workspace** tab to return to the logical topology.

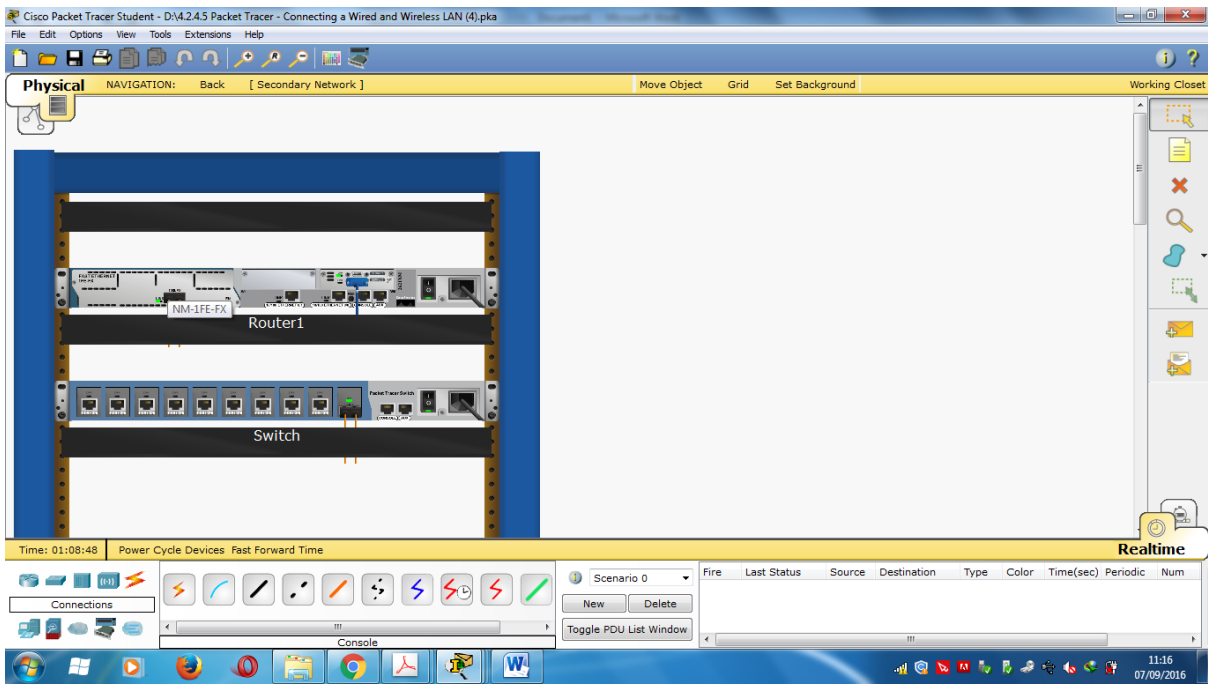
Step 1



Step 2



Step 3



Step 4

