Packet Tracer -

		IP-	
Cloud	Eth6	—	F0/0
	Coax7	—	Port0
Cable Modem	Port0	—	Coax7
	Port1	—	Internet
Router0	Console	—	RS232
	F0/0	192.168.2.1/24	Eth6
	F0/1	10.0.0.1/24	F0
	Ser0/0/0	172.31.0.1/24	Ser0/0
Router1	Ser0/0	172.31.0.2/24	Ser0/0/0
	F1/0	172.16.0.1/24	F0/1
Wireless Router	Internet	192.168.2.2/24	Port1
	Eth1	192.168.1.1	F0
Family PC	F0	192.168.1.102	Eth1
Switch	F0/1	172.16.0.2	F1/0
Netacad.pka	F0	10.0.0.254	F0/1
Configuration Terminal	RS232	—	Console

1.
2.   **Router0**
3.
4.
5.

Packet Tracer (
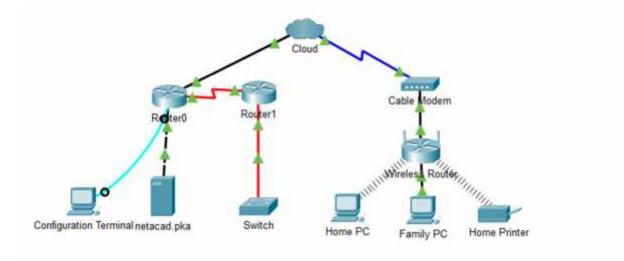   )
                    .   :
                Packet Tracer,   ,
    .
                    Packet Tracer.

1:

1:   Router0.
a.   ,
    .

. F0/0 **Router0** **Cloud**
Eth6. **Cloud** — , **Copper Straight-**
Through ( ).
.

    2. **Cloud (** **) Cable Modem (** **).**
Cloud Coax7 **Modem Port0**.

.

2: 0

1: Router 0 Router1.

Ser0/0/0 Router0 **Ser0/0**
Router1. **Serial** .

.

    2. **Router0 netacad.pka.**

Router0 F0/1 **netacad.pka F0**.
(1 2)
(3 6) . , , .
,
, **Router0** **netacad.pka**
(auto-MDIX).

.

    3. **Router0 Configuration Terminal (** **).**

Router0
RS232. **Configuration Terminal,**
Router0 .

.

3.

    1. **Router1** .

Router1 F1/0 **Switch F0/1.**

. , .

    2. **Cable Modem (** **) Wireless Router**
(**).**

Port1 Modem
Internet Wireless Router.

.

    3. **Wireless Router (** **) Family PC**
(**).**

Wireless Router Ethernet
1 **Family PC.**
.

4:

1. **Family PC** **netacad.pka.**

a. **Family PC** **ping** **netacad.pka.**

```
C:\>ping 10.0.0.254

Pinging 10.0.0.254 with 32 bytes of data:

Reply from 10.0.0.254: bytes=32 time=1ms TTL=126
Reply from 10.0.0.254: bytes=32 time=14ms TTL=126
Reply from 10.0.0.254: bytes=32 time=1ms TTL=126
Reply from 10.0.0.254: bytes=32 time=21ms 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 = 1ms, Maximum = 21ms, Average = 9ms
```

. - **http://netacad.pka.**

Netacad.pka

My favorite page!

2. **ping Home PC (** **) Switch (** **).**
Home PC **ping IP-**
Switch , **.**

```
Pinging 172.16.0.1 with 32 bytes of data:

Reply from 172.16.0.1: bytes=32 time=27ms TTL=253
Reply from 172.16.0.1: bytes=32 time=20ms TTL=253
Reply from 172.16.0.1: bytes=32 time=18ms TTL=253
Reply from 172.16.0.1: bytes=32 time=22ms TTL=253

Ping statistics for 172.16.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 18ms, Maximum = 27ms, Average = 21ms
```

3.   **Router0 Configuration Terminal (**   **).**

a.   **Terminal Configuration Terminal**   .

.   **Enter**   **Router0 .**

.   **show ip interface brief,**   .

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

5.

1:   .

a.   **Physical Workspace(**   **)**
         Shift+P Shift+L
           .

.   **Home City (**   **).**

.   **Cloud(**   **).**

             ?

   2

.   **Back (**   **)**   **Home City.**

2.   .

a.   **Primary Network(**   **).**
        .

           ?

   Configuration terminal

.   **Back (**   **)**   **Home City.**

3.   .

a.   **Secondary Network (**   **).**
       .

             ?

.   **Back (**   **)**   **Home City.**

4. .

a. **Home Network(** **).**

?

. **Logical Workspace(** **),**
.