




Cisco №27




Router-PT
Router3




PC-PT
PC0




Router-PT
Router0



Router-PT
Router2



PC-PT
PC1



Router-PT
Router1

PC0

PhysicalConfigDesktopProgrammingAttributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Bluetooth

FastEthernet0

Port Status ☒ On

Bandwidth ☐ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☐ Full Duplex ☒ Auto

MAC Address 0040.0B4D.BD78

IP Configuration

☐ DHCP

☒ Static

IPv4 Address 192.168.1.1

Subnet Mask 255.255.255.0

PC0

PhysicalConfigDesktopProgrammingAttributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Bluetooth

Global Settings

Display Name PC0

Interfaces FastEthernet0

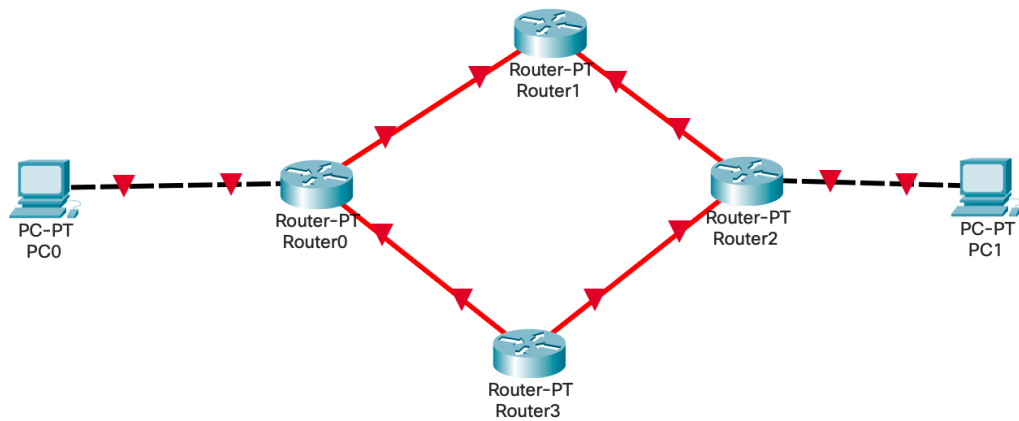
Gateway/DNS IPv4

☐ DHCP

☒ Static

Default Gateway 192.168.1.100

DNS Server



```
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int fa0/0
Router(config-if)#ip ad 192.168.1.100 255.255.255.0
Router(config-if)#no sh

Router(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

Router(config-if)#int fa4/0
Router(config-if)#ip ad 192.168.3.100 255.255.255.0
Router(config-if)#no sh

%LINK-5-CHANGED: Interface FastEthernet4/0, changed state to down
Router(config-if)#int fa5/0
Router(config-if)#ip ad 192.168.4.100 255.255.255.0
Router(config-if)#no sh

%LINK-5-CHANGED: Interface FastEthernet5/0, changed state to down
Router(config-if)#ro eigrp 100
Router(config-router)#net 192.168.1.0
Router(config-router)#net 192.168.3.0
Router(config-router)#net 192.168.4.0
Router(config-router)#exit
```

```
Router#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#int fa4/0
Router(config-if)#ip ad 192.168.3.200 255.255.255.0
Router(config-if)#no sh

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet4/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet4/0, changed
state to up
int fa5/0
Router(config-if)#int fa5/0
Router(config-if)#ip ad 192.168.5.200 255.255.255.0
Router(config-if)#no sh

%LINK-5-CHANGED: Interface FastEthernet5/0, changed state to down
Router(config-if)#ro eigrp 100
Router(config-router)#net 192.168.3.0
Router(config-router)#
%DUAL-5-NBRCHANGE: IP-EIGRP 100: Neighbor 192.168.3.100 (FastEthernet4/0) is
up: new adjacency
net 192.168.5.0
Router(config-router)#net 192.168.5.0
Router(config-router)#exit
Router(config)#
```

Router3

Physical

Config

CLI

Attributes

IOS Command Line Interface

```
Router>
Router>
Router>en
Router#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#int fa4/0
Router(config-if)#ip ad 192.168.4.200 255.255.255.0
Router(config-if)#no sh

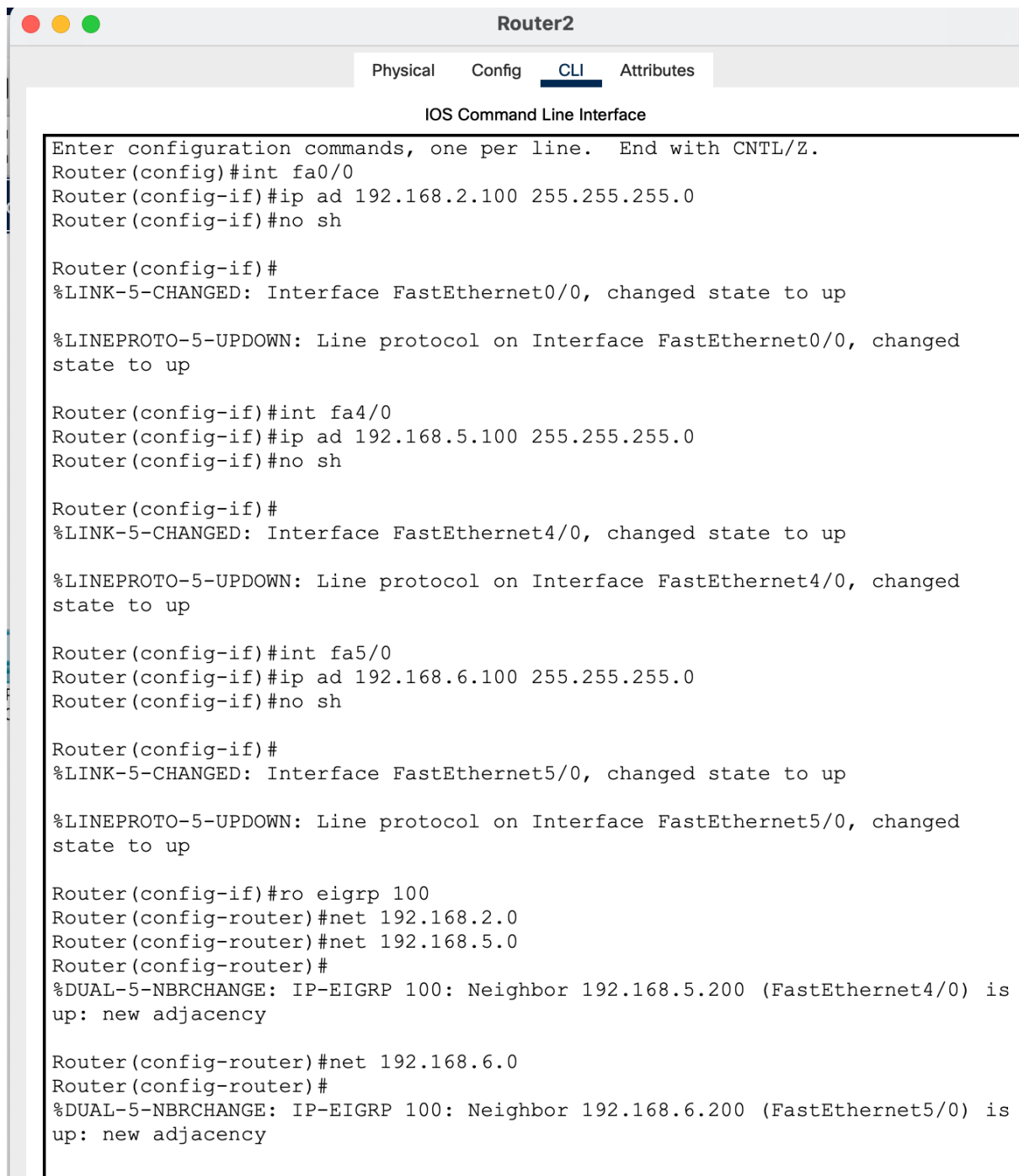
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet4/0, changed state to up

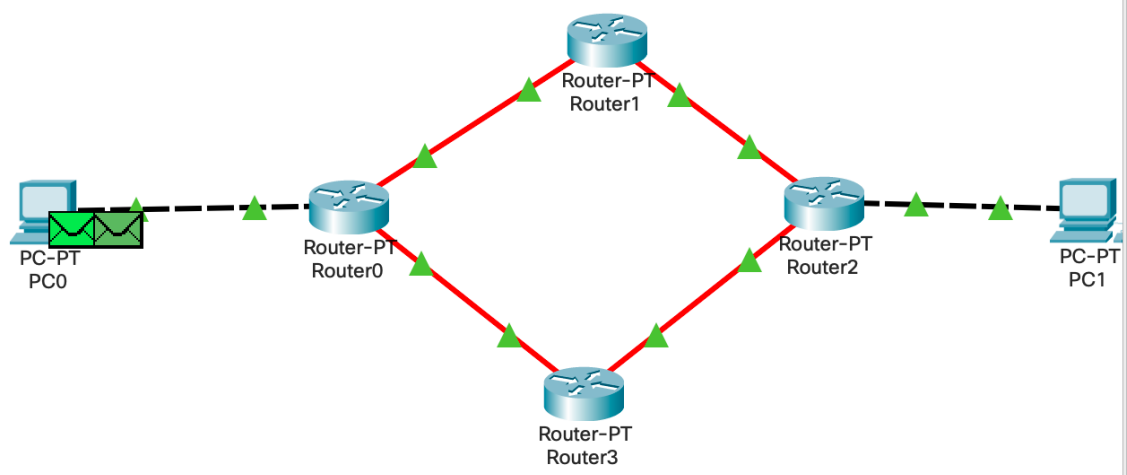
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet4/0, changed
state to up

Router(config-if)#int fa5/0
Router(config-if)#ip ad 192.168.6.200 255.255.255.0
Router(config-if)#no sh

%LINK-5-CHANGED: Interface FastEthernet5/0, changed state to down
Router(config-if)#ro eigrp 100
Router(config-router)#net 192.168.4.0
Router(config-router)#
%DUAL-5-NBRCHANGE: IP-EIGRP 100: Neighbor 192.168.4.100 (FastEthernet4/0) is
up: new adjacency

Router(config-router)#net 192.168.6.0
Router(config-router)#exit
Router(config)#
```





Видим, что все отлично отправляется и оптимизируется по роутерам.

