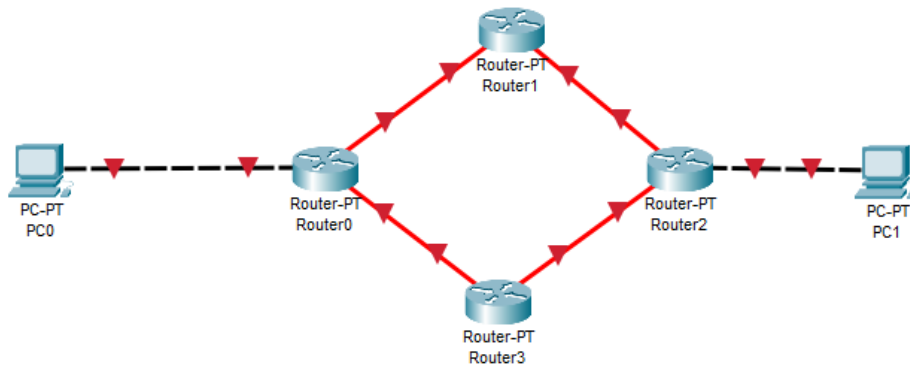


Практическая работа 27 – Распределение нагрузки маршрутизатором (eigrp)

1. Построила сеть и соединила крос овером



2. Задала всем айпи и шлюзы

3. Настроила роутер0

```
Router>en
Router#conf t
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

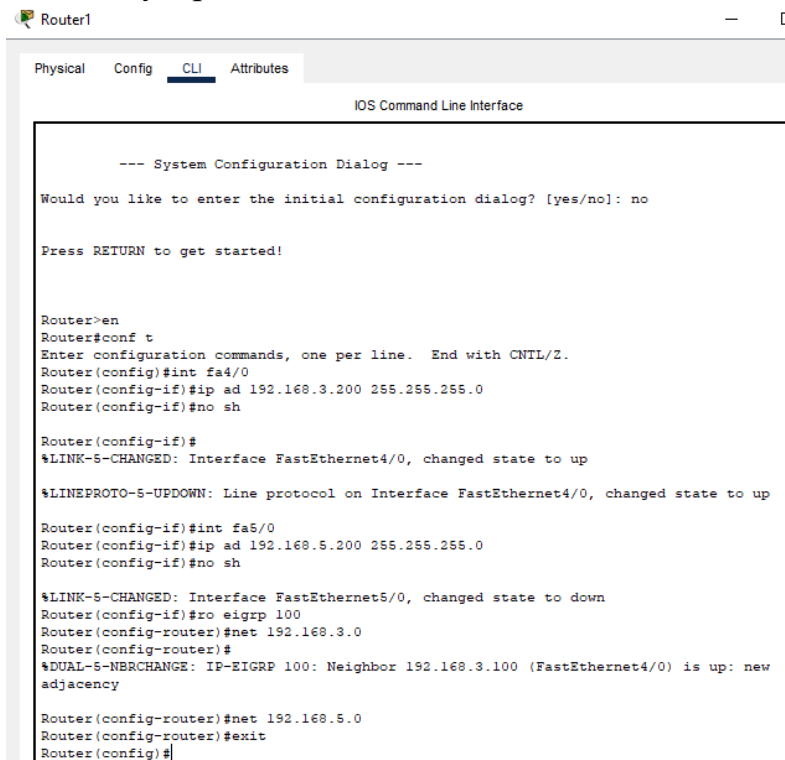
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to u

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)#
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(config)#
```

4. Поуреп1



```
Router1
Physical Config CLI Attributes
IOS Command Line Interface

--- System Configuration Dialog ---
Would you like to enter the initial configuration dialog? [yes/no]: no

Press RETURN to get started!

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 192.168.3.200 255.255.255.0
Router(config-if)#no sh

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

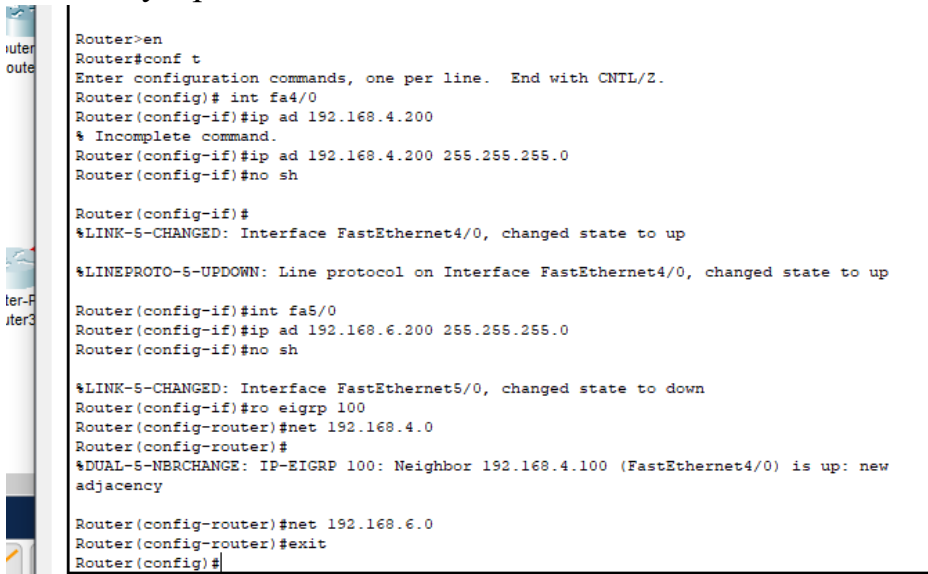
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet4/0, changed state to up

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

Router(config-router)#net 192.168.5.0
Router(config-router)#exit
Router(config)#
```

5. Поуреп2



```
Router2
Physical Config CLI Attributes
IOS Command Line Interface

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
% Incomplete command.
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)#
```

6. И еще один

```
Router2
Physical Config CLI Attributes
IOS Command Line Interface
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 192.168.5.100 255.255.255.0
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 192.168.6.100 255.255.255.0
Router(config-if)#no sh
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet5/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet5/0, changed state to up
Router(config-if)#ro eigrp 100
Router(config-router)#net 192.168.2.0
Router(config-router)#net 192.168.5.0
Router(config-router)#
%DUAL-5-NBRCHANGE: IP-EIGRP 100: Neighbor 192.168.5.200 (FastEthernet4/0) is up: new adjacency
Router(config-router)#net 192.168.6.0
Router(config-router)#
%DUAL-5-NBRCHANGE: IP-EIGRP 100: Neighbor 192.168.6.200 (FastEthernet5/0) is up: new adjacency
Router(config-router)#exit
Router(config)#
```

7. Результат

