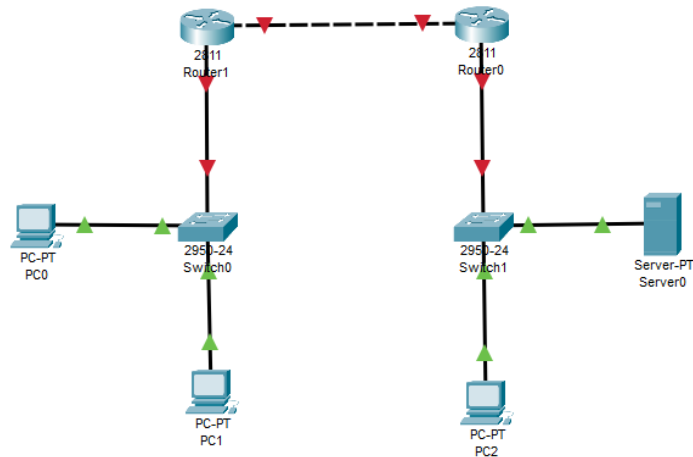


Практическая работа 13 – Маршрут по умолчанию (нулевой маршрут)

1. Создаем сеть, настраиваем:



2. Настраиваем роутеры.

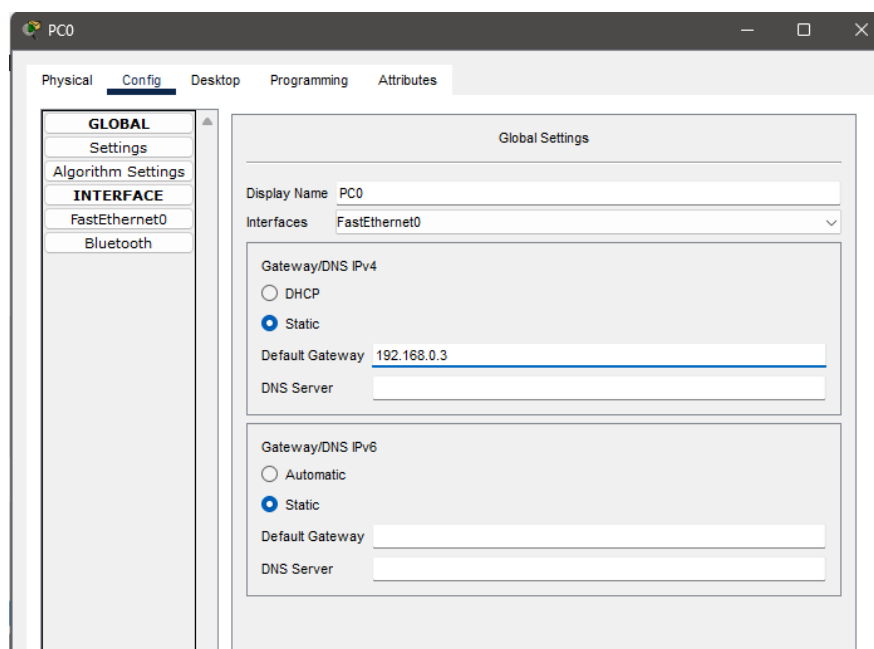
```
Router(config)#int fa0/0
Router(config-if)#no sh

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

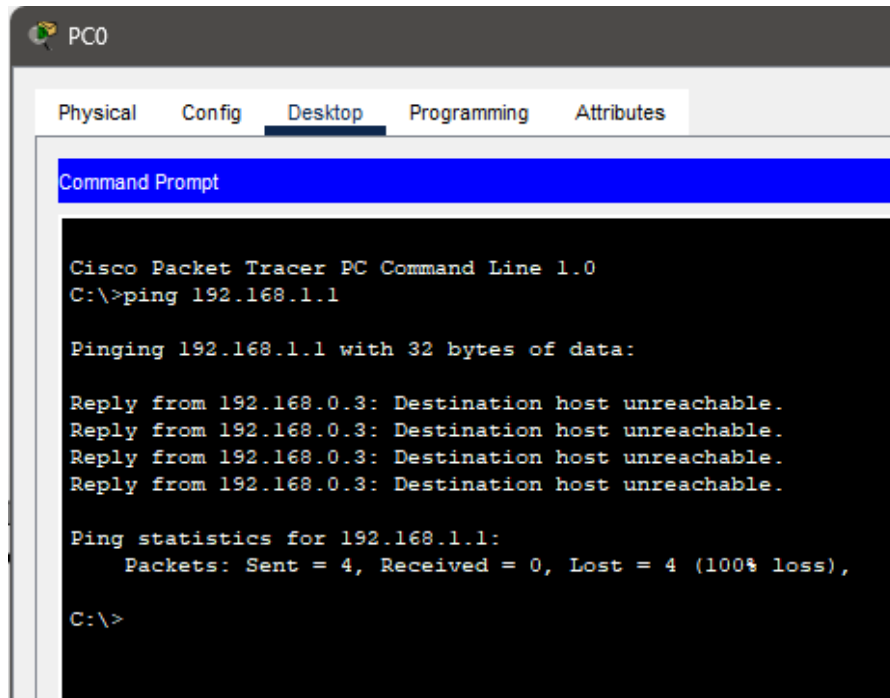
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to down
Router(config-if)#ip address 192.168.3.1 255.255.255.0
Router(config-if)#no sh

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up
```

3. Устанавливаем шлюз.



4. Попытка пропинговать PC2 из PC0.



```
PC0
Physical  Config  Desktop  Programming  Attributes
Command Prompt

Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.1

Pinging 192.168.1.1 with 32 bytes of data:

Reply from 192.168.0.3: Destination host unreachable.
Reply from 192.168.0.3: Destination host unreachable.
Reply from 192.168.0.3: Destination host unreachable.
Reply from 192.168.0.3: Destination host unreachable.

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

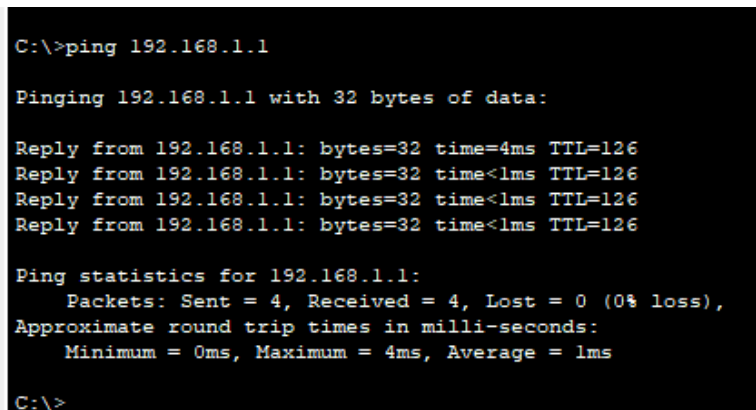
C:\>
```

5. Настраиваем связь между роутерами.

```
Router>ipien
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#ip route 0.0.0.0 0.0.0.0 192.168.3.2
Router(config)#
Router(config)#

Router>en
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#ip route 0.0.0.0 0.0.0.0 192.168.3.1
Router(config)#
Router(config)#
```

6. Результат:



```
C:\>ping 192.168.1.1

Pinging 192.168.1.1 with 32 bytes of data:

Reply from 192.168.1.1: bytes=32 time=4ms TTL=126
Reply from 192.168.1.1: bytes=32 time<1ms TTL=126
Reply from 192.168.1.1: bytes=32 time<1ms TTL=126
Reply from 192.168.1.1: bytes=32 time<1ms TTL=126

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 4ms, Average = 1ms

C:\>
```