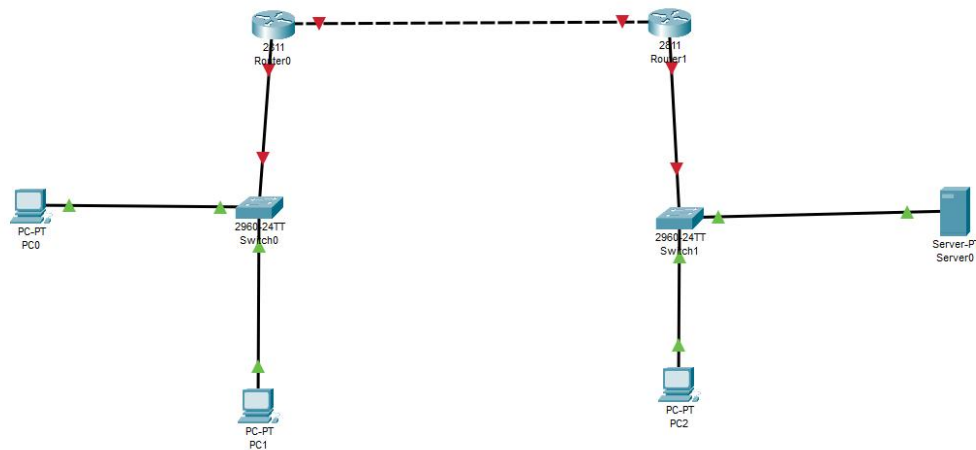


Практическая работа 13 – Маршрут по умолчанию (нулевой маршрут)

Построил сеть и прописал адреса по образцу:

Левая сеть: PC0, PC1 – адреса, 192.168.0.x, маска подсети: 255.255.255.0;

Правая сеть: PC1 – 192.168.1.1, маска подсети: 255.255.255.0, Server0 – 192.168.1.2



Настроил маршрутизатор 0:

```
Router>en
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int fa0/0
Router(config-if)#ip address 192.168.0.3 255.255.255.0
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)#exit
Router(config)#fa0/1
^
% Invalid input detected at '^' marker.

Router(config)#int fa0/1
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
```

Настроил маршрутизатор 1:

```
Router>en
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int fa0/1
Router(config-if)#ip address 192.168.1.3 255.255.255.0
Router(config-if)#no sh

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

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
```

```

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

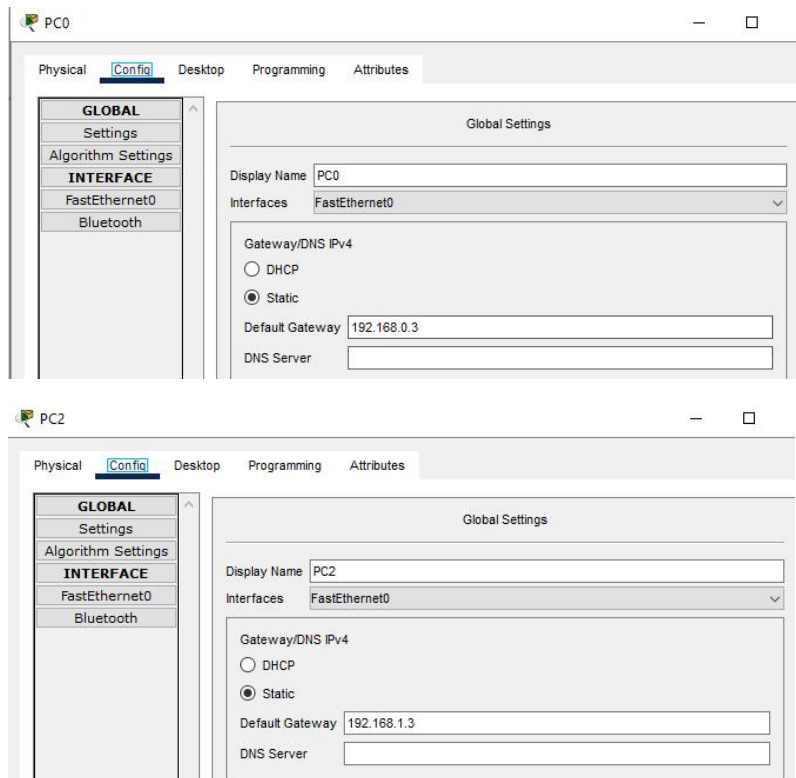
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

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

Router(config-if)#ip address 192.168.3.2 255.255.255.0

```

Установил Gateway для PC0 и PC2:



Пинг второго ПК с первого:

```

C:\>ping 192.168.1.3

Pinging 192.168.1.3 with 32 bytes of data:

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

```

Прописал конфигурацию для роутеров:

```

Router(config)#ip route 0.0.0.0 0.0.0.0 192.168.3.2
Router(config)#ip route 0.0.0.0 0.0.0.0 192.168.1.3

```

Пинг:

```

C:\>ping 192.168.3.1

Pinging 192.168.3.1 with 32 bytes of data:

Reply from 192.168.3.1: bytes=32 time<1ms TTL=255
Reply from 192.168.3.1: bytes=32 time<1ms TTL=255
Reply from 192.168.3.1: bytes=32 time<1ms TTL=255
Reply from 192.168.3.1: bytes=32 time<1ms TTL=255

Ping statistics for 192.168.3.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

```