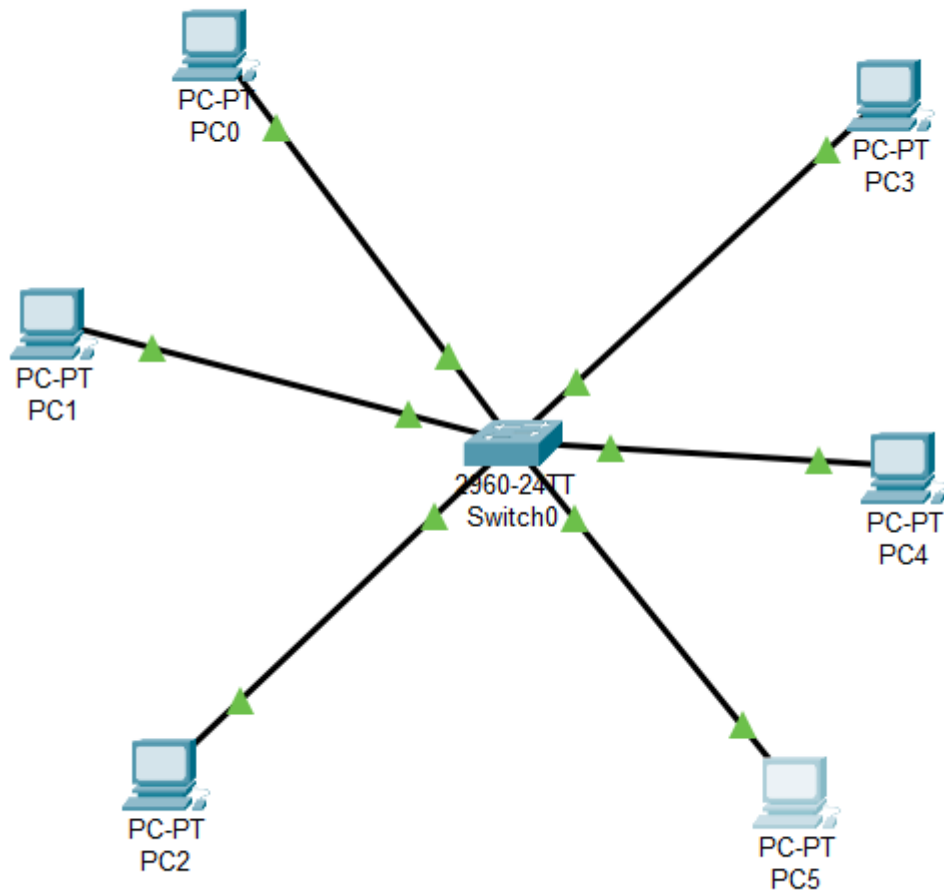


Практическая работа 12 – настройка передачи данных между сетями на маршрутизаторе

1. Создаю сеть



2. Пропинговываю

```
C:\>ping 192.168.0.3

Pinging 192.168.0.3 with 32 bytes of data:

Reply from 192.168.0.3: bytes=32 time<1ms TTL=128
Reply from 192.168.0.3: bytes=32 time<1ms TTL=128
Reply from 192.168.0.3: bytes=32 time<1ms TTL=128
Reply from 192.168.0.3: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.0.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

```

C:\>192.169.0.2
Invalid Command.

C:\>ping 192.169.0.3

Pinging 192.169.0.3 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 192.169.0.3:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 192.168.1.3

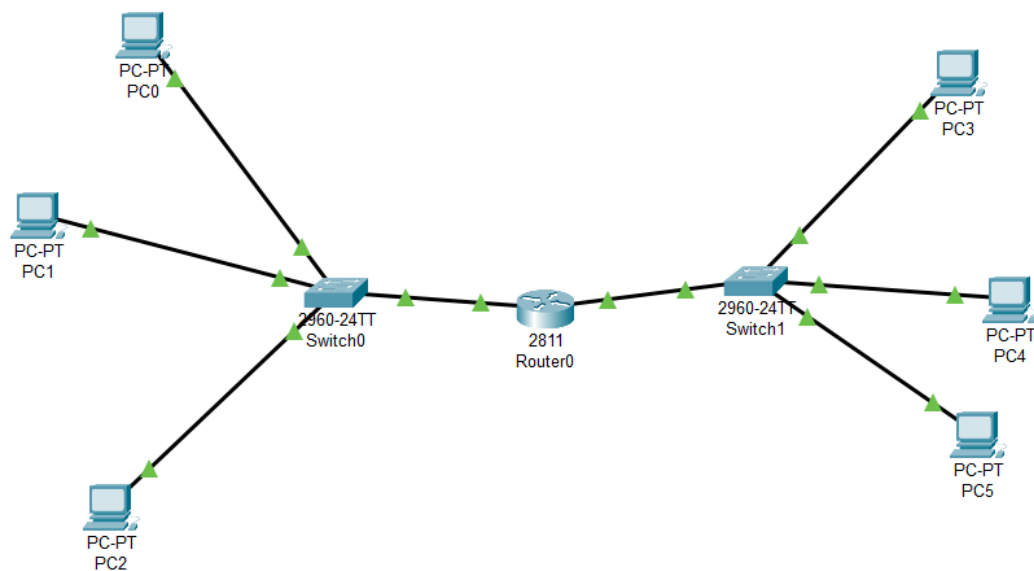
Pinging 192.168.1.3 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 192.168.1.3:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

```

3. Изменяю сеть



4. Настраиваю роутер для левой и правой стороны

IP Configuration	
IPv4 Address	192.168.0.254
Subnet Mask	255.255.255.0

IP Configuration	
IPv4 Address	192.168.1.1
Subnet Mask	255.255.255.0

5. Пропинговываю через роутер

```
Router#ping 192.168.0.0
```

```
Type escape sequence to abort.
```

```
Sending 5, 100-byte ICMP Echos to 192.168.0.0, timeout is 2 seconds:
```

```
Reply to request 0 from 192.168.0.1, 0 ms
Reply to request 0 from 192.168.0.2, 1 ms
Reply to request 0 from 192.168.0.3, 0 ms
Reply to request 1 from 192.168.0.1, 0 ms
Reply to request 1 from 192.168.0.2, 0 ms
Reply to request 1 from 192.168.0.3, 0 ms
Reply to request 2 from 192.168.0.1, 0 ms
Reply to request 2 from 192.168.0.2, 0 ms
Reply to request 2 from 192.168.0.3, 0 ms
Reply to request 3 from 192.168.0.1, 0 ms
Reply to request 3 from 192.168.0.2, 0 ms
Reply to request 3 from 192.168.0.3, 0 ms
Reply to request 4 from 192.168.0.1, 0 ms
Reply to request 4 from 192.168.0.2, 0 ms
Reply to request 4 from 192.168.0.3, 0 ms
```

6. Повторно пропинговываю

```
C:\>ping 192.168.0.2
```

```
Pinging 192.168.0.2 with 32 bytes of data:
```

```
Reply from 192.168.0.2: bytes=32 time<1ms TTL=128
Reply from 192.168.0.2: bytes=32 time<1ms TTL=128
Reply from 192.168.0.2: bytes=32 time<1ms TTL=128
Reply from 192.168.0.2: bytes=32 time<1ms TTL=128
```

```
Ping statistics for 192.168.0.2:
```

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

```
C:\>ping 192.169.0.2
```

```
Pinging 192.169.0.2 with 32 bytes of data:
```

```
Reply from 192.168.0.254: Destination host unreachable.  
Reply from 192.168.0.254: Destination host unreachable.  
Reply from 192.168.0.254: Destination host unreachable.  
Request timed out.
```

```
Ping statistics for 192.169.0.2:
```

```
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

```
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<1ms TTL=255  
Reply from 192.168.1.1: bytes=32 time<1ms TTL=255  
Reply from 192.168.1.1: bytes=32 time<1ms TTL=255  
Reply from 192.168.1.1: bytes=32 time<1ms TTL=255
```

```
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 = 0ms, Average = 0ms
```