

Домашнее задание урок 3.

Я взял на себя смелость и переименовал роутер 0 в роутер 3, что бы конец адреса совпадал с именем роутера.

Настройка Router 3.

```
enable
show run
configure terminal
interface FastEthernet5/0
ip address 172.16.0.3 255.255.0.0
no shutdown
interface FastEthernet4/0
ip address 172.17.0.3 255.255.0.0
no shutdown
end
show run
```

Настройка Router 2.

```
enable
show run
configure terminal
interface FastEthernet5/0
ip address 172.16.0.2 255.255.0.0
no shutdown
interface FastEthernet4/0
ip address 172.18.0.2 255.255.0.0
no shutdown
end
show run
```

Настройка Router 1.

enable

show run

configure terminal

interface FastEthernet5/0

ip address 172.18.0.1 255.255.0.0

no shutdown

interface FastEthernet4/0

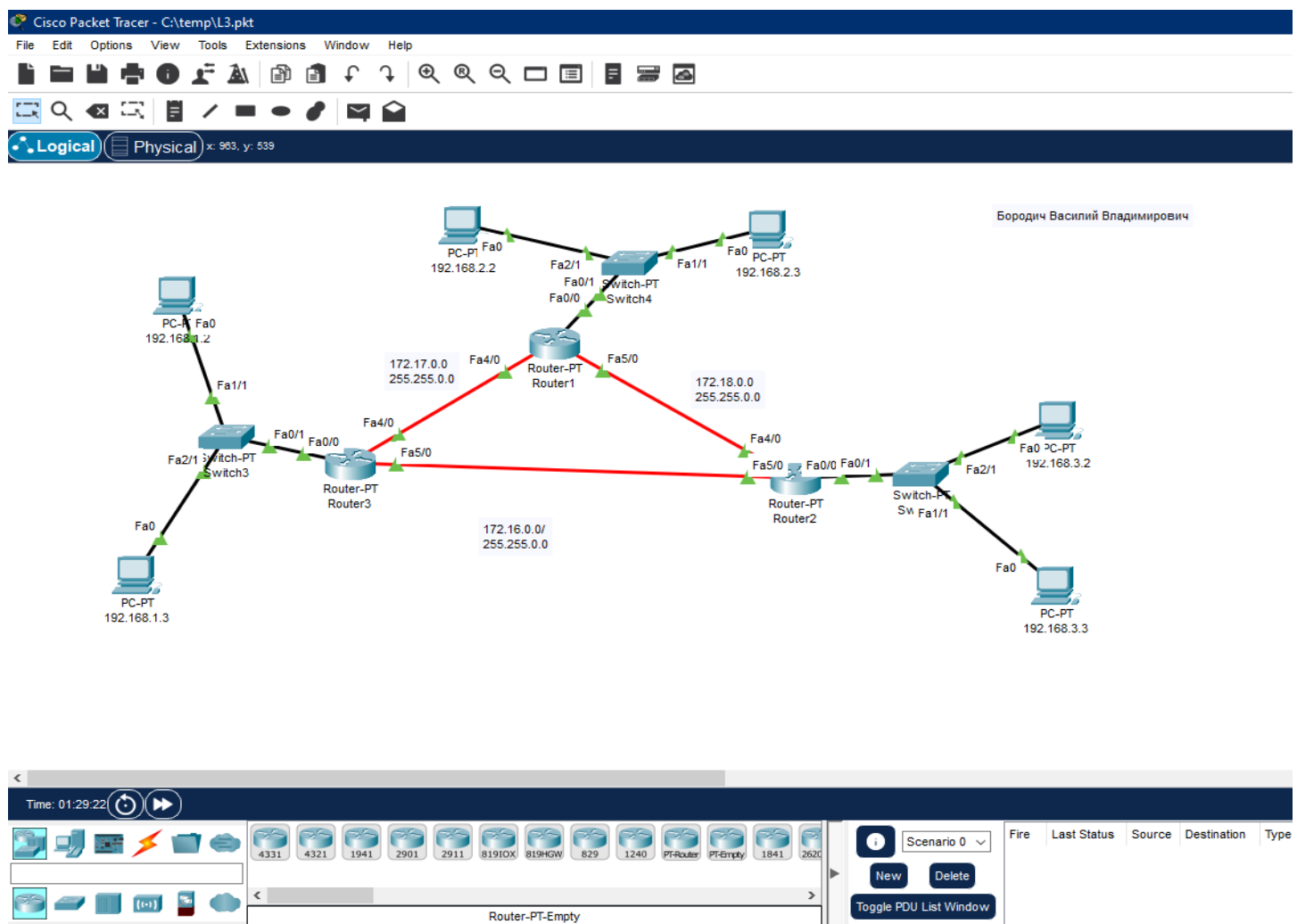
ip address 172.17.0.1 255.255.0.0

no shutdown

end

show run

Интерфейсы поднялись:



Теперь маршрутизация.

Настройка Router 3.

```
enable
```

```
configure terminal
```

```
ip route 192.168.3.0 255.255.255.0 172.16.0.3
```

```
ip route 192.168.2.0 255.255.255.0 172.17.0.1
```

```
end
```

```
write
```

Настройка Router 2.

```
enable
```

```
configure terminal
```

```
ip route 192.168.1.0 255.255.255.0 172.16.0.3
```

```
ip route 192.168.2.0 255.255.255.0 172.18.0.1
```

```
end
```

```
write
```

Настройка Router 1.

```
enable
```

```
configure terminal
```

```
ip route 192.168.1.0 255.255.255.0 172.17.0.3
```

```
ip route 192.168.3.0 255.255.255.0 172.18.0.2
```

```
end
```

```
write
```

В результате из каждой подсети пингуются две соседние.

Cisco Packet Tracer - C:\temp\L3_DZ.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical x 942, y: 81

192.168.1.2

Physical Config Desktop Programming Attributes

Command Prompt

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.2.2

Pinging 192.168.2.2 with 32 bytes of data:

Reply from 192.168.2.2: bytes=32 time<1ms TTL=126
Reply from 192.168.2.2: bytes=32 time<1ms TTL=126
Reply from 192.168.2.2: bytes=32 time<1ms TTL=126
Reply from 192.168.2.2: bytes=32 time<1ms TTL=126

Ping statistics for 192.168.2.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.168.3.2

Pinging 192.168.3.2 with 32 bytes of data:

Reply from 192.168.3.2: bytes=32 time<1ms TTL=126
Reply from 192.168.3.2: bytes=32 time<1ms TTL=126
Reply from 192.168.3.2: bytes=32 time<1ms TTL=126
Reply from 192.168.3.2: bytes=32 time<1ms TTL=126

Ping statistics for 192.168.3.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

Time: 01:43:57

Scenario 0

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

Activate Windows

Go to Settings to activate

Cisco Packet Tracer - C:\temp\L3_DZ.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical x 413, y: 32

192.168.2.3

Physical Config Desktop Programming Attributes

Command Prompt

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.3

Pinging 192.168.1.3 with 32 bytes of data:

Reply from 192.168.1.3: bytes=32 time<1ms TTL=126
Reply from 192.168.1.3: bytes=32 time<1ms TTL=126
Reply from 192.168.1.3: bytes=32 time<1ms TTL=126
Reply from 192.168.1.3: bytes=32 time<1ms TTL=126

Ping statistics for 192.168.1.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>ping 192.168.3.2

Pinging 192.168.3.2 with 32 bytes of data:

Reply from 192.168.3.2: bytes=32 time<1ms TTL=126
Reply from 192.168.3.2: bytes=32 time<1ms TTL=126
Reply from 192.168.3.2: bytes=32 time<1ms TTL=126
Reply from 192.168.3.2: bytes=32 time<1ms TTL=126

Ping statistics for 192.168.3.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

Time: 01:45:01

Scenario 0

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

Activate Windows

Go to Settings to activate

Cisco Packet Tracer - C:\temp\13_02.pkt

File Edit Options View Tools Extensions Window Help

Logical

Physical

PC-PT 192.168.1.3
Switch-PT Switch3
Router-PT Router3
Router-PT Router1
Router-PT Router2
Switch-PT Switch4
PC-PT 192.168.2.2
PC-PT 192.168.2.3

192.168.3.2

Physical Config Desktop Programming Attributes

Command Prompt

Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.3

Pinging 192.168.1.3 with 32 bytes of data:

Reply from 192.168.1.3: bytes=32 time<1ms TTL=126
Reply from 192.168.1.3: bytes=32 time<1ms TTL=126
Reply from 192.168.1.3: bytes=32 time<1ms TTL=126
Reply from 192.168.1.3: bytes=32 time<1ms TTL=126

Ping statistics for 192.168.1.3:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>ping 192.168.2.2

Pinging 192.168.2.2 with 32 bytes of data:

Reply from 192.168.2.2: bytes=32 time<1ms TTL=126
Reply from 192.168.2.2: bytes=32 time<1ms TTL=126
Reply from 192.168.2.2: bytes=32 time<1ms TTL=126
Reply from 192.168.2.2: bytes=32 time<1ms TTL=126

Ping statistics for 192.168.2.2:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>

☐ Top

Time: 01:45:55

Scenario 0

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

4331 4321 1941 2901 2911 81910K 819HGW 829 1240 PTFRouter PTFEmpty 1841 2620

Router-PT

Toggle PDU List Window

Activate Windows
Go to Settings to activate