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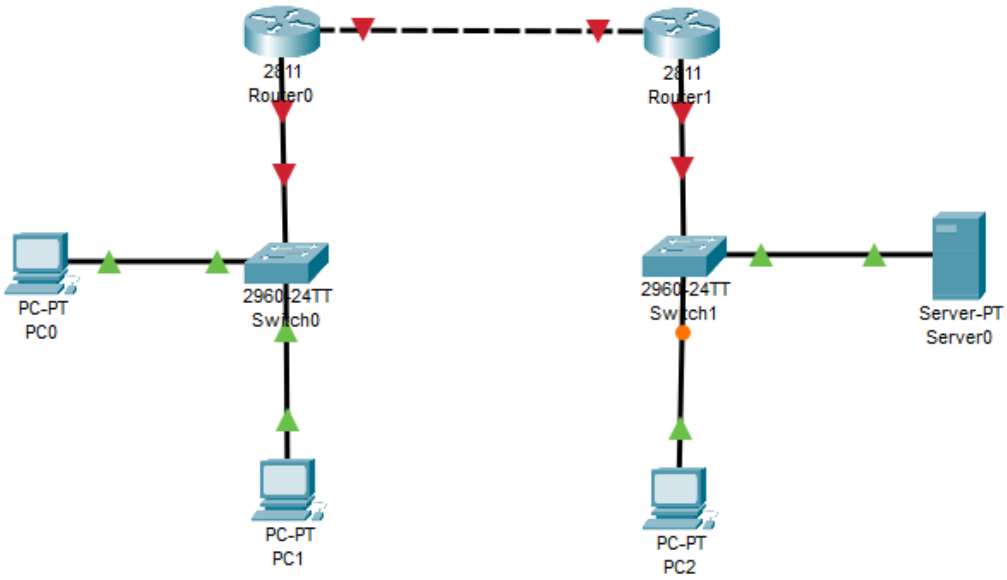
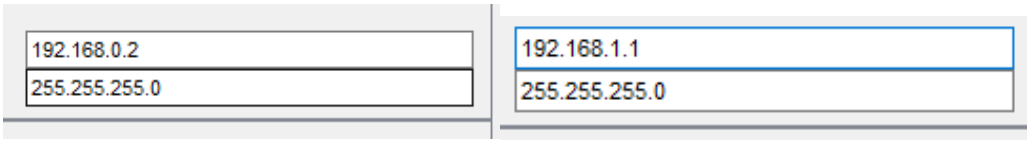
Практическая работа 13 – Маршрут по умолчанию (нулевой маршрут)

1. Строю сеть



2. Настраиваю левую и правую сети



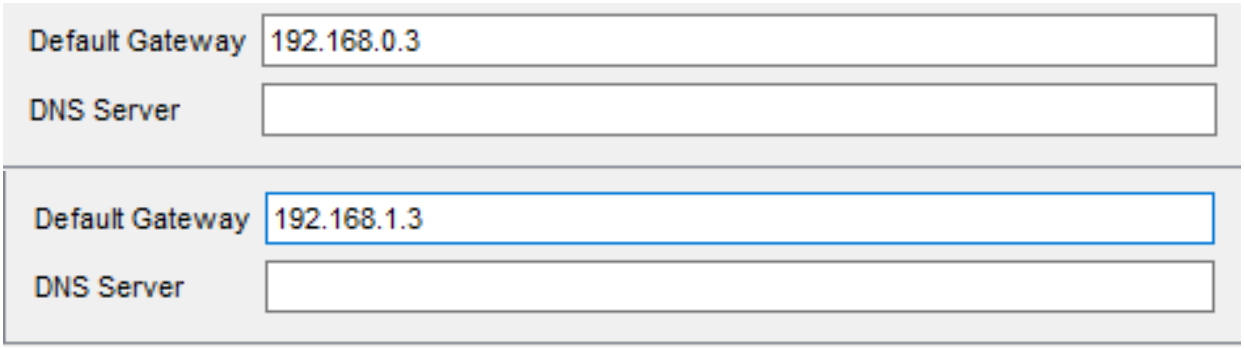
3. Прописываю код для маршрутизатора 0

```
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)#ex
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

Router(config-if)#ex
Router(config)#
```

4. Далее для маршрутизатора 1

```
Router>
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)#ex
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
Router(config-if)#
```

5. Прописываю GateAway для левой и правой сетей



6. Прописываю связь между двумя роутерами

```
Router(config)#ip route 0.0.0.0 0.0.0.0 192.168.3.2
Router(config)#
Router(config)#ex
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#wr memory
Building configuration...
[OK]
Router(config)#ip route 0.0.0.0 0.0.0.0 192.168.3.1
Router(config)#ex
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#wr memory
Building configuration...
[OK]
```

7. Пингую

```
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=254
Reply from 192.168.1.3: bytes=32 time<1ms TTL=254
Reply from 192.168.1.3: bytes=32 time<1ms TTL=254
Reply from 192.168.1.3: bytes=32 time=1ms TTL=254

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:\>
```