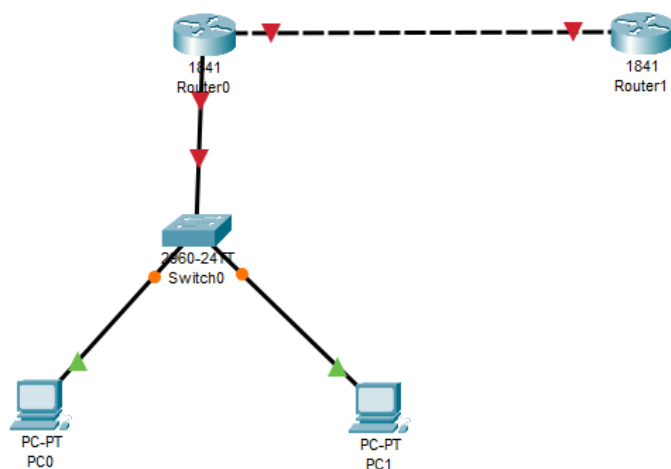


Практическая работа 22 – Статический NAT

Строим сеть



Задаем IP PC0 и PC1 и шлюз 192.168.0.100

Настраиваем ISP

Подклбчение в сторону коммутатора

ISP

Physical Config CLI Attributes

GLOBAL

- Settings
- Algorithm Settings
- ROUTING**
- Static
- RIP
- SWITCHING**
- VLAN Database
- INTERFACE**
- FastEthernet0/0
- FastEthernet0/1

FastEthernet0/0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0003.E475.7D01

IP Configuration

IPv4 Address 192.168.0.100

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Physical Config CLI Attributes

GLOBAL

- Settings
- Algorithm Settings
- ROUTING**
- Static
- RIP
- SWITCHING**
- VLAN Database
- INTERFACE**
- FastEthernet0/0
- FastEthernet0/1

FastEthernet0/1

Port Status ☒ On

Bandwidth ☐ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0003.E475.7D02

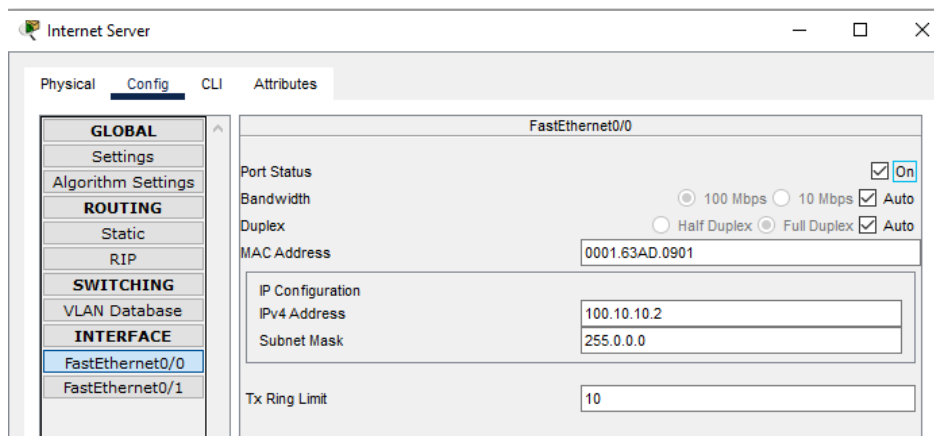
IP Configuration

IPv4 Address 100.10.10.1

Subnet Mask 255.0.0.0

Tx Ring Limit 10

И второй роутер Internet Server



Настраиваем роутер ISP

```
Router(config)#ip route 0.0.0.0 0.0.0.0 100.10.10.2
Router(config)#int fa0/0
Router(config-if)#ip nat inside
Router(config-if)#int fa0/1
Router(config-if)#ip nat outside
Router(config-if)#exit
Router(config)#ip nat inside source static 192.168.0.1 100.10.10.1
Router(config)#ip nat inside source static 192.168.0.1 100.10.10.2
```

Пингуем

```
C:\>ping 100.10.10.2

Pinging 100.10.10.2 with 32 bytes of data:

Reply from 100.10.10.2: bytes=32 time<1ms TTL=255
Reply from 100.10.10.2: bytes=32 time<1ms TTL=255
Reply from 100.10.10.2: bytes=32 time<1ms TTL=255
Reply from 100.10.10.2: bytes=32 time<1ms TTL=255

Ping statistics for 100.10.10.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

И show ip nat translations