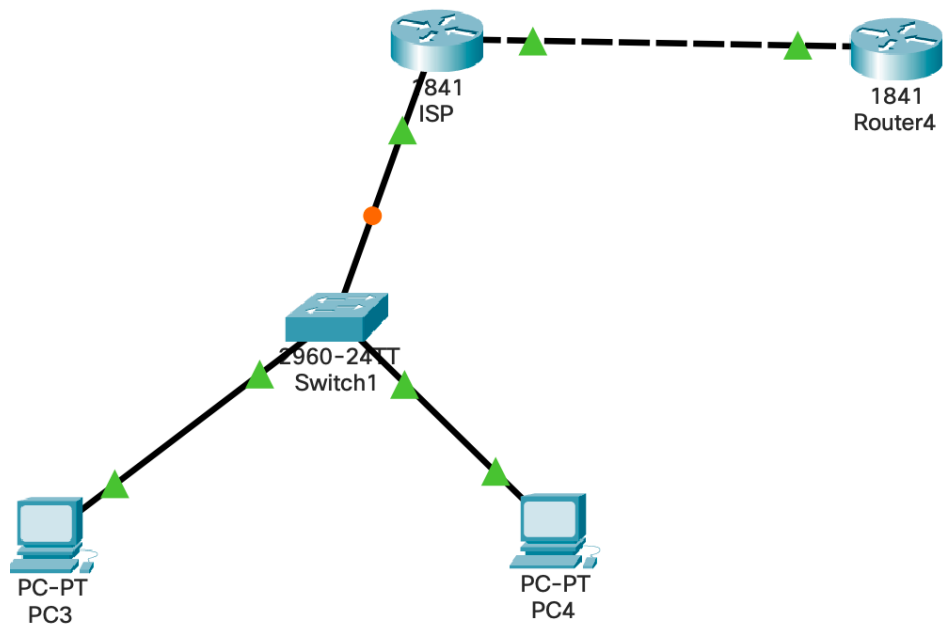


Cisco №23



PC3

Physical **Config** Desktop Programming Attributes

GLOBAL

- Settings
- Algorithm Settings
- INTERFACE**
- FastEthernet0
- Bluetooth

FastEthernet0

Port Status ☒ On

Bandwidth ☐ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0001.C728.9834

IP Configuration

☐ DHCP

☒ Static

IPv4 Address 192.168.0.1

Subnet Mask 255.255.255.0

PC3

Physical **Config** Desktop Programming Attributes

GLOBAL

- Settings
- Algorithm Settings
- INTERFACE**
- FastEthernet0
- Bluetooth

Global Settings

Display Name PC3

Interfaces FastEthernet0

Gateway/DNS IPv4

☐ DHCP

☒ Static

Default Gateway 192.168.0.100

DNS Server

ISP

Physical **Config** CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

Port Status ☒ On

Bandwidth ☐ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 00D0.5888.5A01

IP Configuration

IPv4 Address 192.168.0.100

Subnet Mask 255.255.255.0

ISP

Physical **Config** CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

Port Status ☒ On

Bandwidth ☐ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 00D0.5888.5A02

IP Configuration

IPv4 Address 100.10.10.1

Subnet Mask 255.0.0.0

Tx Ring Limit 10

```
Router(config)#access-line 1 permit 192.168.0.0 0.0.0.255
^
% Invalid input detected at '^' marker.

Router(config)#access-list 1 permit 192.168.0.0 0.0.0.255
Router(config)#ip nat pool white-address 100.10.10.77 100.10.11.99 netmask
255.255.255.0
%Pool white-address mask 255.255.255.0 too small; should be at least
255.255.254.0
%Start and end addresses on different subnets
Router(config)#ip nat pool white-address 100.10.11.77 100.10.11.99 netmask
255.255.255.0
Router(config)#ip nat inside source list 1 pool white-address
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
```

```

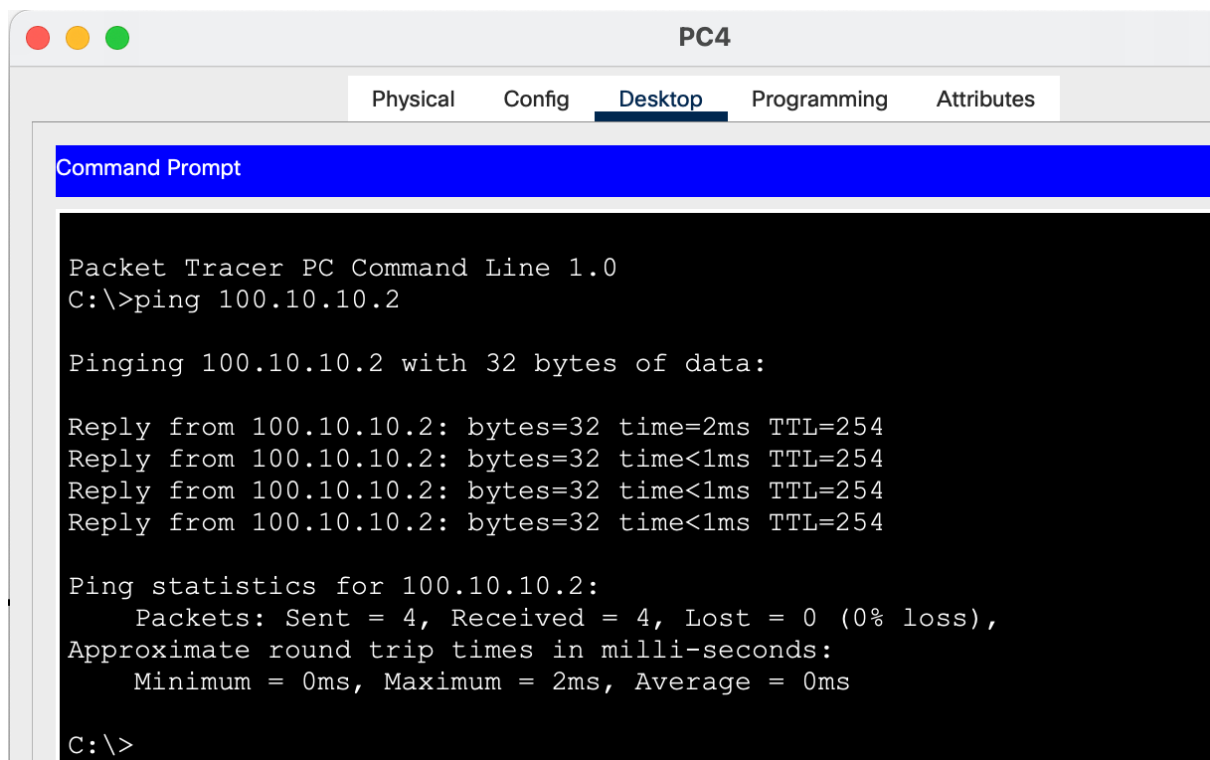
C:\>ping 100.10.10.2

Pinging 100.10.10.2 with 32 bytes of data:

Reply from 100.10.10.2: bytes=32 time<1ms TTL=254
Reply from 100.10.10.2: bytes=32 time<1ms TTL=254
Reply from 100.10.10.2: bytes=32 time<1ms TTL=254
Reply from 100.10.10.2: bytes=32 time<1ms TTL=254

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

```



Видим, что компы имеют адрес x.x.x.77

```

Router#show ip nat translations
Pro  Inside global      Inside local          Outside local          Outside global
icmp 100.10.11.77:1      192.168.0.2:1        100.10.10.2:1         100.10.10.2:1
icmp 100.10.11.77:2      192.168.0.2:2        100.10.10.2:2         100.10.10.2:2
icmp 100.10.11.77:3      192.168.0.2:3        100.10.10.2:3         100.10.10.2:3
icmp 100.10.11.77:4      192.168.0.2:4        100.10.10.2:4         100.10.10.2:4

```