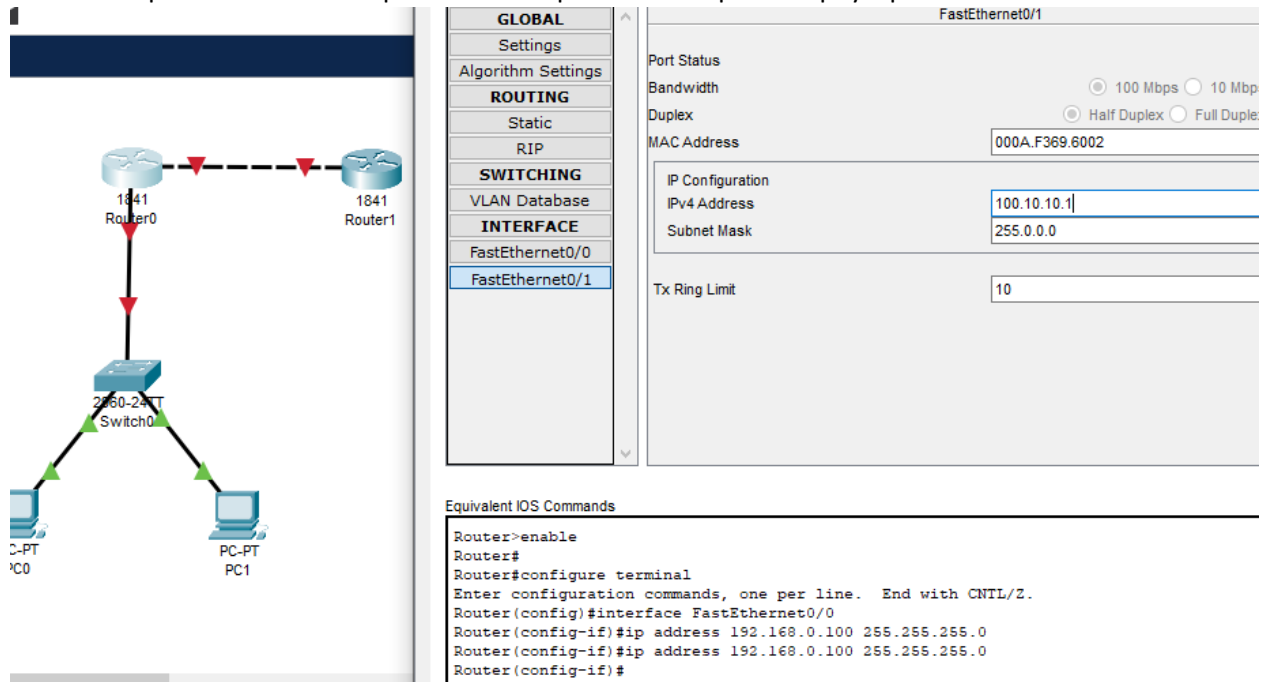


## Практическая работа №22

Тема: Статистический NAT

Выполнил: Емельянов Иван ИС223

1. После построения сети и настройки ПК я перешёл к настройкам роутера



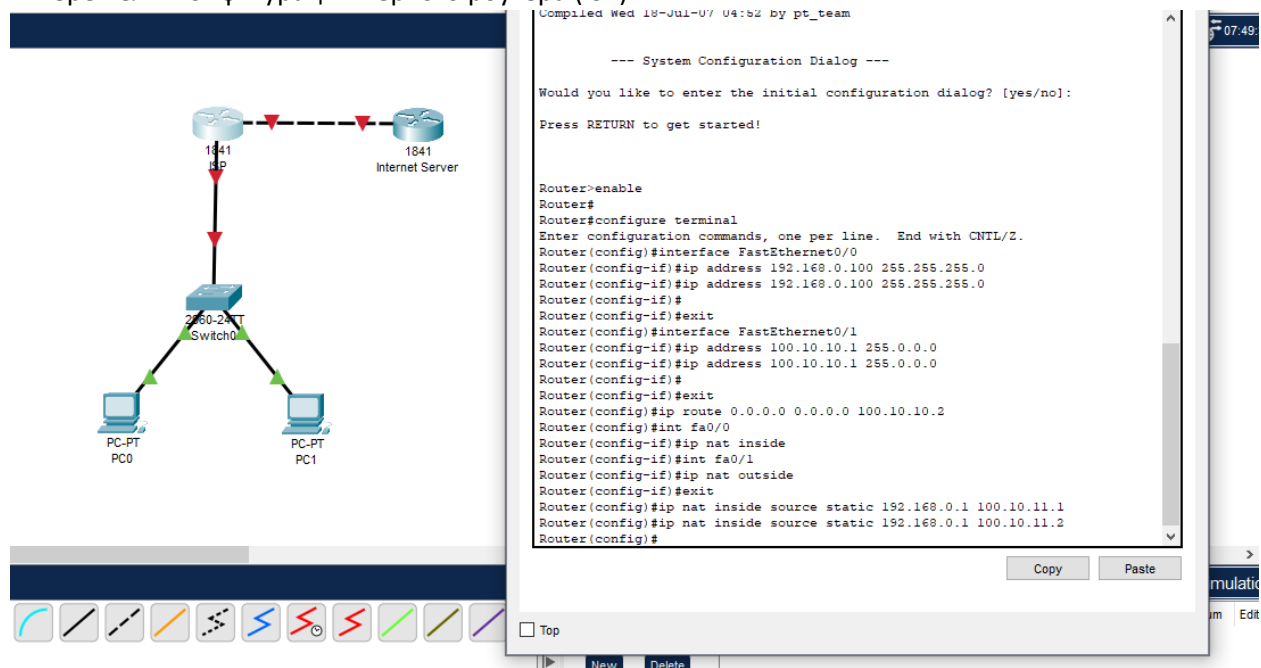
The image shows a network diagram on the left and a configuration window on the right. The diagram illustrates a topology with two 1841 routers (Router0 and Router1) connected via a dashed line. Router0 is connected to a 2960-24TT switch, which in turn is connected to two PCs (PC0 and PC1). The configuration window on the right is titled 'FastEthernet0/1' and shows the following settings:

- Port Status: ☒ 100 Mbps ☐ 10 Mbps
- Bandwidth: ☒ Half Duplex ☐ Full Duplex
- MAC Address: 000A.F369.6002
- IP Configuration:
  - IPv4 Address: 100.10.10.1
  - Subnet Mask: 255.0.0.0
- Tx Ring Limit: 10

Below the configuration window, the 'Equivalent IOS Commands' are listed:

```
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#ip address 192.168.0.100 255.255.255.0
Router(config-if)#ip address 192.168.0.100 255.255.255.0
Router(config-if)#
```

2. И перешёл к конфигурации первого роутера (ISP)



The image shows a network diagram on the left and a configuration terminal window on the right. The diagram illustrates a topology with two 1841 routers (ISP and Internet Server) connected via a dashed line. The ISP router is connected to a 2960-24TT switch, which in turn is connected to two PCs (PC0 and PC1). The configuration terminal window on the right shows the following commands:

```
Compiled Wed 18-Jul-07 04:52 by pt_team

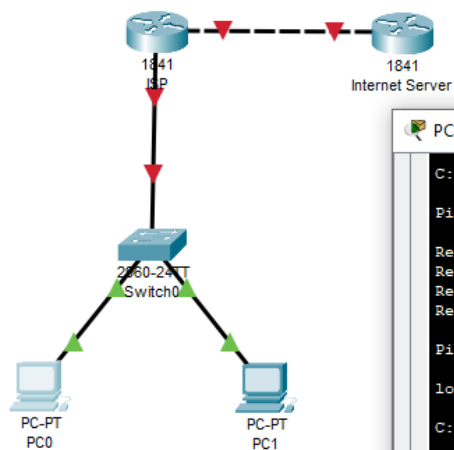
--- System Configuration Dialog ---

Would you like to enter the initial configuration dialog? [yes/no]:

Press RETURN to get started!

Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#ip address 192.168.0.100 255.255.255.0
Router(config-if)#ip address 192.168.0.100 255.255.255.0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#ip address 100.10.10.1 255.0.0.0
Router(config-if)#ip address 100.10.10.1 255.0.0.0
Router(config-if)#
Router(config-if)#exit
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 192.168.0.1 100.10.11.1
Router(config)#ip nat inside source static 192.168.0.1 100.10.11.2
Router(config)#
```

### 3. После чего попытался пингануть Internet Server



```
PC0
C:\>ping 100.10.10.2

Pinging 100.10.10.2 with 32 bytes of data:

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

Ping statistics for 100.10.10.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100%
    loss),
C:\>
```