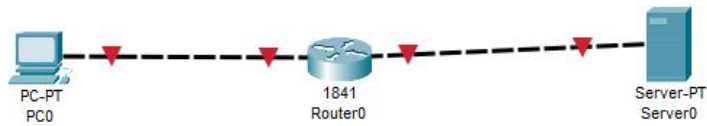


Практическая работа 21 – Технология NAT

Построил сеть:



Прописал шлюз:

Default Gateway	192.168.0.100
DNS Server	

Настроил адрес сервера и шлюз:

IP Configuration	
<input type="radio"/> DHCP	
<input checked="" type="radio"/> Static	
IPv4 Address	30.30.30.1
Subnet Mask	255.0.0.0

Default Gateway	30.30.30.100
DNS Server	

Перешёл к настройке роутера:

SWITCHING	IP Configuration
VLAN Database	IPv4 Address 192.168.0.100
INTERFACE	Subnet Mask 255.255.255.0
FastEthernet0/0	

SWITCHING	IP Configuration
VLAN Database	IPv4 Address 30.30.30.100
INTERFACE	Subnet Mask 255.0.0.0
FastEthernet0/0	
FastEthernet0/1	Tx Ring Limit 10

```
Router(config)#access-list 1 permit any
Router(config)#ip nat inside source list 1 interface fa0/1 overload
Router(config)#int fa0/0
Router(config-if)#ip nat inside
Router(config-if)#exit
Router(config)#int fa0/1
Router(config-if)#ip nat outside
Router(config-if)#
```

Пинганул сервер:

```

C:\>ping 30.30.30.1

Pinging 30.30.30.1 with 32 bytes of data:

Request timed out.
Reply from 30.30.30.1: bytes=32 time<1ms TTL=127
Reply from 30.30.30.1: bytes=32 time<1ms TTL=127
Reply from 30.30.30.1: bytes=32 time<1ms TTL=127

Ping statistics for 30.30.30.1:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

```

Show ip nat translations:

```

Router(config-if)#exit
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#show ip nat translations

```

Pro	Inside global	Inside local	Outside local	Outside global
icmp	30.30.30.100:6	192.168.0.1:6	30.30.30.1:6	30.30.30.1:6
icmp	30.30.30.100:7	192.168.0.1:7	30.30.30.1:7	30.30.30.1:7
icmp	30.30.30.100:8	192.168.0.1:8	30.30.30.1:8	30.30.30.1:8

```

Router#

```