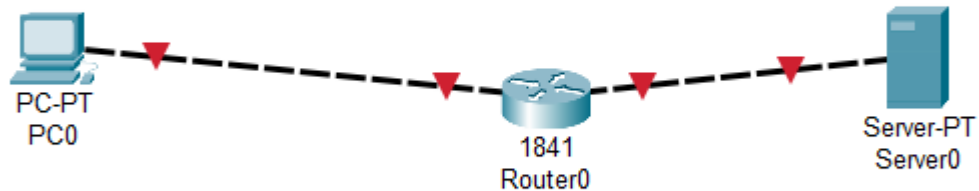


Практическая 21 – Технология NAT

1. Создаю сеть



2. Настраиваю сервер

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

3. Шлюз сервера

Gateway/DNS IPv4	
<input type="radio"/> DHCP	
<input checked="" type="radio"/> Static	
Default Gateway	30.30.30.100
DNS Server	

4. Настраиваю роутер

IP Configuration	
IPv4 Address	192.168.0.100
Subnet Mask	

IP Configuration	
IPv4 Address	30.30.30.100
Subnet Mask	255.0.0.0

```

Router(config)#access-list 1 per
Router(config)#access-list 1 permit any
Router(config)#ip nat insi
Router(config)#ip nat inside sou
Router(config)#ip nat inside source list 1 int
Router(config)#ip nat inside source list 1 interface fa0/1 ove
Router(config)#ip nat inside source list 1 interface fa0/1 overload
Router(config)#int fa0/0
Router(config-if)#ip nat ins
Router(config-if)#ip nat inside
Router(config-if)#exit
Router(config)#fa 1/0
      ^
% Invalid input detected at '^' marker.

Router(config)#int fa0/1
Router(config-if)#ip nat inside

```

5. проверяю

```

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

```

6. Проверяю команды

```

Router#Show ip nat translations
Pro  Inside global      Inside local      Outside local     Outside global
icmp 30.30.30.100:1       192.168.0.1:1     30.30.30.1:1     30.30.30.1:1
icmp 30.30.30.100:2     192.168.0.1:2     30.30.30.1:2     30.30.30.1:2
icmp 30.30.30.100:3     192.168.0.1:3     30.30.30.1:3     30.30.30.1:3
icmp 30.30.30.100:4     192.168.0.1:4     30.30.30.1:4     30.30.30.1:4

```