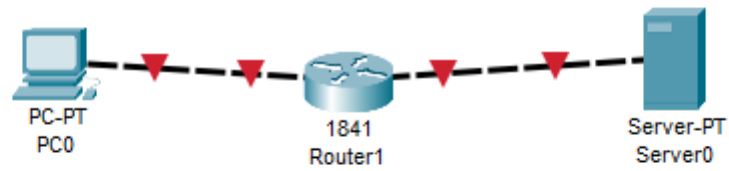


Практическая работа 21 – Технология NAT

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	255.0.0.0

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	255.255.255.0

IP Configuration	
IPv4 Address	30.30.30.100
Subnet Mask	255.0.0.0

5. Настраиваю роутер

```
Router(config)#access-list 1 per
Router(config)#access-list 1 permit any
Router(config)#ip nat in
Router(config)#ip nat inside s
Router(config)#ip nat inside source 1
Router(config)#ip nat inside source list 1 in
Router(config)#ip nat inside source list 1 interface fa0/1 over
Router(config)#ip nat inside source list 1 interface fa0/1 overload
Router(config)#int fa
Router(config)#int fa0/1
Router(config-if)#int fa0/0
Router(config-if)#ip nat ins
Router(config-if)#ip nat inside
Router(config-if)#exit
Router(config)#int fa0/1
Router(config-if)#ip nat out
Router(config-if)#ip nat outside
```

6. Проверка

```
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=3ms 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 = 3ms, Average = 1ms
```