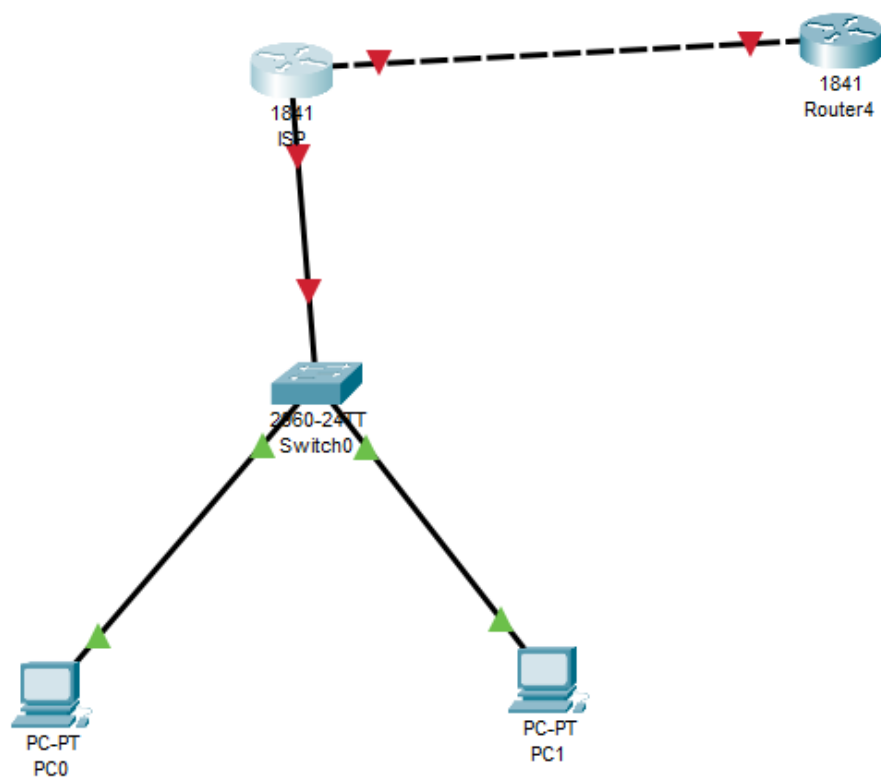


Практическая работа №23

1. Строим сеть



2. Настраиваем pc0 and pc1

Pc0

| | |
|---|---------------|
| Gateway/DNS IPv4 | |
| <input type="radio"/> DHCP | |
| <input checked="" type="radio"/> Static | |
| Default Gateway | 192.168.0.100 |
| DNS Server | |

| | |
|---|---------------|
| IP Configuration | |
| <input type="radio"/> DHCP | |
| <input checked="" type="radio"/> Static | |
| IPv4 Address | 192.168.0.1 |
| Subnet Mask | 255.255.255.0 |

PC1

| | |
|---|--|
| Gateway/DNS IPv4 | |
| <input type="radio"/> DHCP | |
| <input checked="" type="radio"/> Static | |
| Default Gateway | <input type="text" value="192.168.0.100"/> |
| DNS Server | <input type="text"/> |

| | |
|---|--|
| IP Configuration | |
| <input type="radio"/> DHCP | |
| <input checked="" type="radio"/> Static | |
| IPv4 Address | <input type="text" value="192.168.0.2"/> |
| Subnet Mask | <input type="text" value="255.255.255.0"/> |

3. конфигурация

```
Router(config)#access-list 1 permit 192.168.0.0 0.0.0.255
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
Router(config)#
```

4. Проверяем

```
Pinging 100.10.10.1 with 32 bytes of data:

Reply from 100.10.10.1: bytes=32 time<1ms TTL=255
Reply from 100.10.10.1: bytes=32 time<1ms TTL=255
Reply from 100.10.10.1: bytes=32 time<1ms TTL=255
Reply from 100.10.10.1: bytes=32 time<1ms TTL=255

Ping statistics for 100.10.10.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

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
```

Router#show ip nat tr

Router#show ip nat translation

Router#show ip nat translation

| Pro | Inside global | Inside local | Outside local | Outside global |
|------|-----------------|----------------|----------------|----------------|
| icmp | 100.10.11.80:50 | 192.168.0.1:50 | 100.10.10.2:50 | 100.10.10.2:50 |
| icmp | 100.10.11.80:51 | 192.168.0.1:51 | 100.10.10.2:51 | 100.10.10.2:51 |
| icmp | 100.10.11.80:52 | 192.168.0.1:52 | 100.10.10.2:52 | 100.10.10.2:52 |
| icmp | 100.10.11.80:53 | 192.168.0.1:53 | 100.10.10.2:53 | 100.10.10.2:53 |
| icmp | 100.10.11.80:54 | 192.168.0.1:54 | 100.10.10.2:54 | 100.10.10.2:54 |
| icmp | 100.10.11.80:55 | 192.168.0.1:55 | 100.10.10.2:55 | 100.10.10.2:55 |
| icmp | 100.10.11.80:56 | 192.168.0.1:56 | 100.10.10.2:56 | 100.10.10.2:56 |
| icmp | 100.10.11.80:57 | 192.168.0.1:57 | 100.10.10.2:57 | 100.10.10.2:57 |
| icmp | 100.10.11.80:58 | 192.168.0.1:58 | 100.10.10.2:58 | 100.10.10.2:58 |
| icmp | 100.10.11.80:59 | 192.168.0.1:59 | 100.10.10.2:59 | 100.10.10.2:59 |
| icmp | 100.10.11.80:60 | 192.168.0.1:60 | 100.10.10.2:60 | 100.10.10.2:60 |