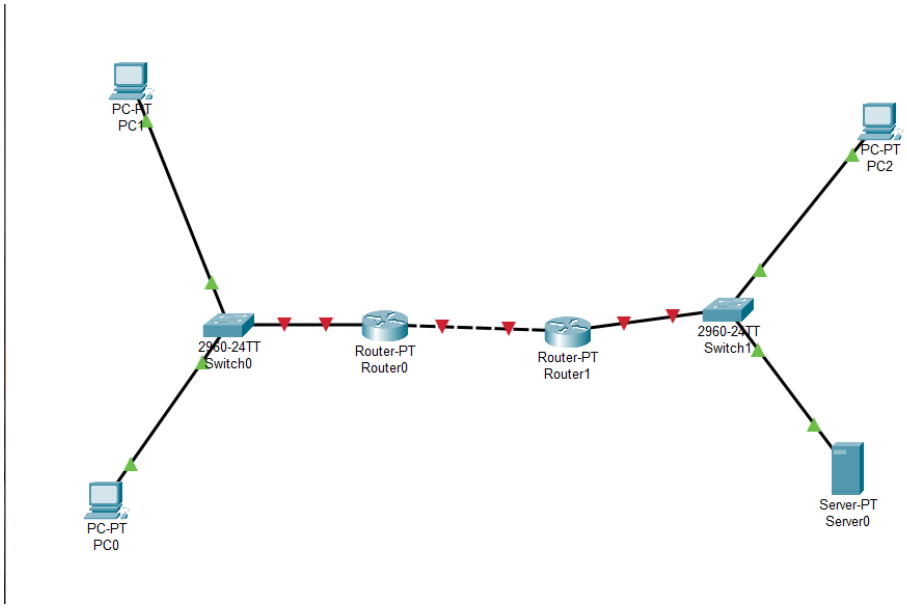
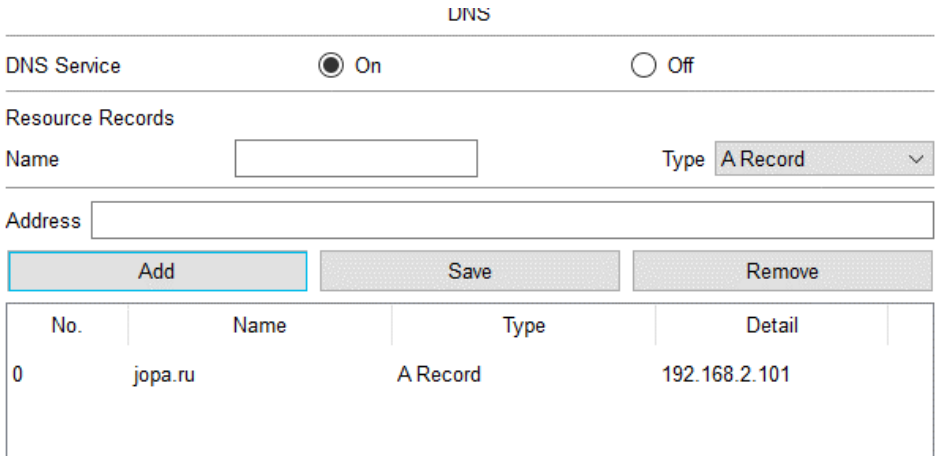
Практическая работа 25 – Автоматизированная сеть с использованием DHCP + DNS + Маршрутизация

1. Создаем сеть



2. Создаю сервер



3. Настраиваю оба роутера

```
Router(config)#ip dhcp excluded-address 192.168.1.100
Router(config)#ip dhcp pool net1
Router(dhcp-config)#net 192.168.1.0 255.255.255.0
Router(dhcp-config)#default-router 192.168.1.100
Router(dhcp-config)#dns-server 192.168.2.101
Router(dhcp-config)#int fa0/0
Router(config-if)#ip address 192.168.1.100 255.255.255.0
Router(config-if)#no sh

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
int fa1/0
Router(config-if)#ip address 192.168.3.1 255.255.255.0
Router(config-if)#no sh

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up
ro rip
Router(config-router)#net 192.168.1.0
Router(config-router)#net 192.168.3.0


Router(config)#ip dhcp excluded-address 92.168.2.100 192.168.2.101

Router(config)#ip dhcp excluded-address 192.168.2.100 192.168.2.101
Router(config)#ip dhcp pool net2
Router(dhcp-config)#net 192.168.2.0 255.255.255.0
Router(dhcp-config)#default-router 192.168.2.100
Router(dhcp-config)#dns-server 192.168.2.101
Router(dhcp-config)#int fa0/0
Router(config-if)#ip ad 192.168.2.100 255.255.255.0
Router(config-if)#no sh


Router(config-if)#int fa1/0
Router(config-if)#ip ad 192.168.3.2 255.255.255.0
Router(config-if)#no sh


Router(config-if)#ro rip
Router(config-router)#net 192.168.2.0
Router(config-router)#net 192.168.3.0
```

4. Пингую pc2 через pc0

```
C:\>ping 192.168.2.1

Pinging 192.168.2.1 with 32 bytes of data:

Request timed out.
Reply from 192.168.2.1: bytes=32 time<1ms TTL=126
Reply from 192.168.2.1: bytes=32 time=6ms TTL=126
Reply from 192.168.2.1: bytes=32 time<1ms TTL=126

Ping statistics for 192.168.2.1:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 6ms, Average = 2ms
```

5. Проверяю сайт