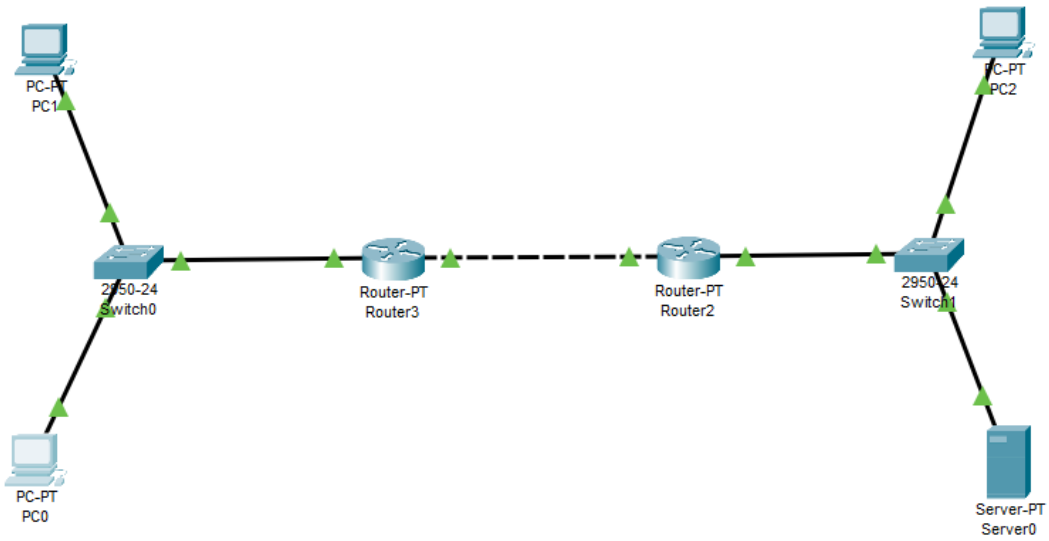
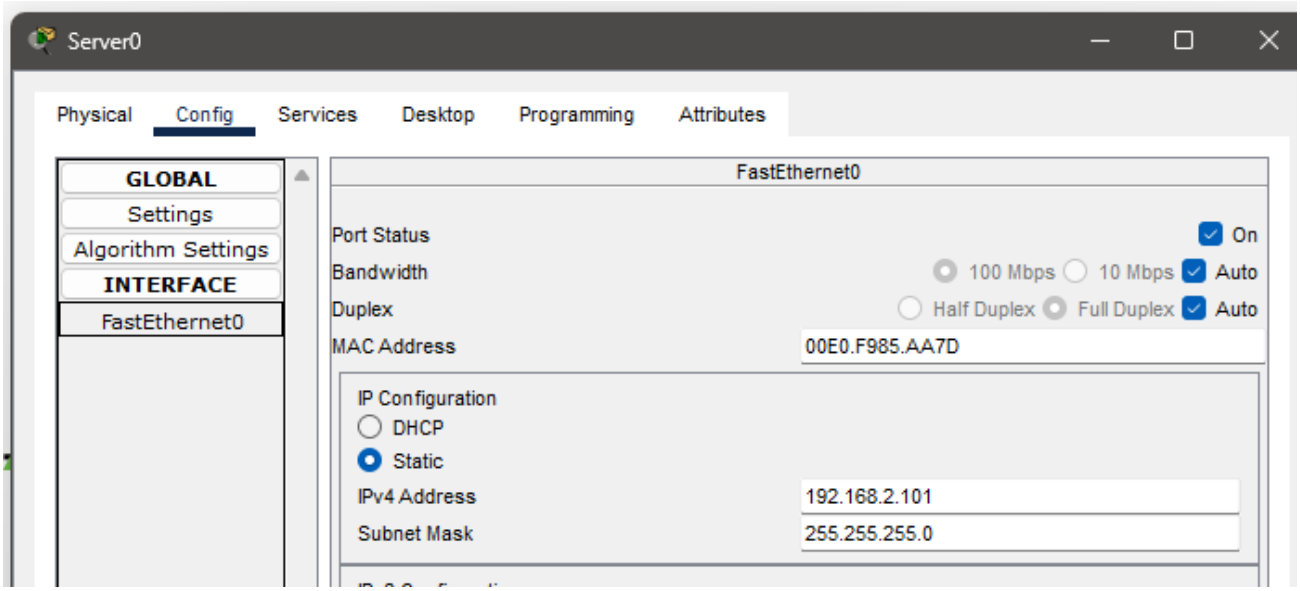
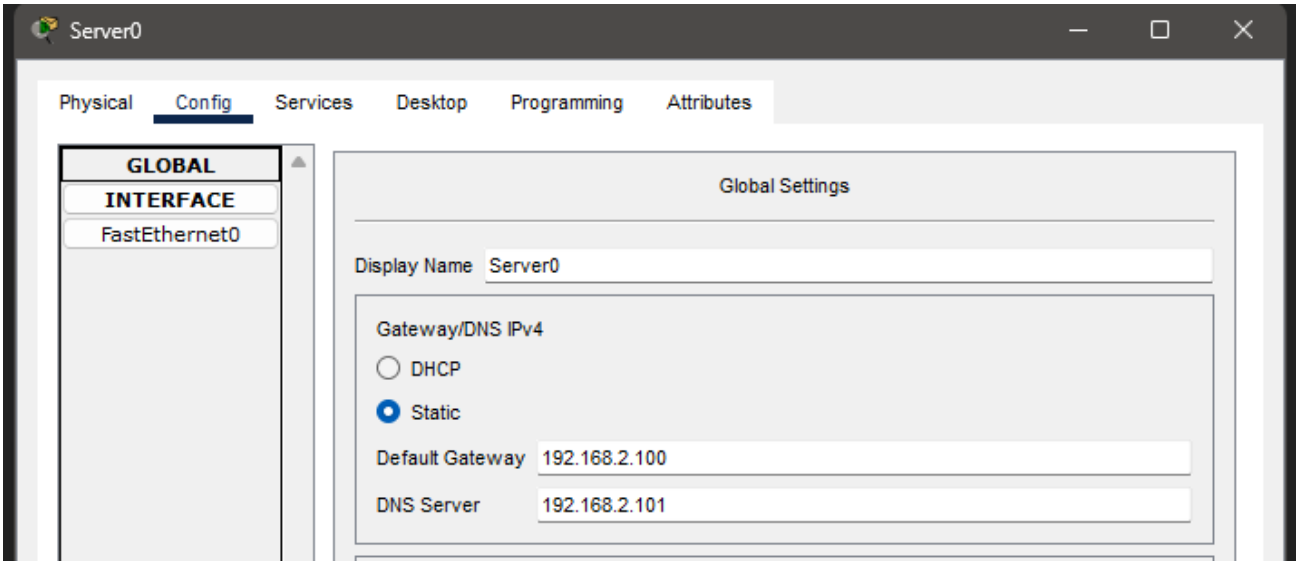
Практическая работа 25 – Автоматизированная сеть с использованием DHCP + DNS + Маршрутизация

1. Создаем сервер

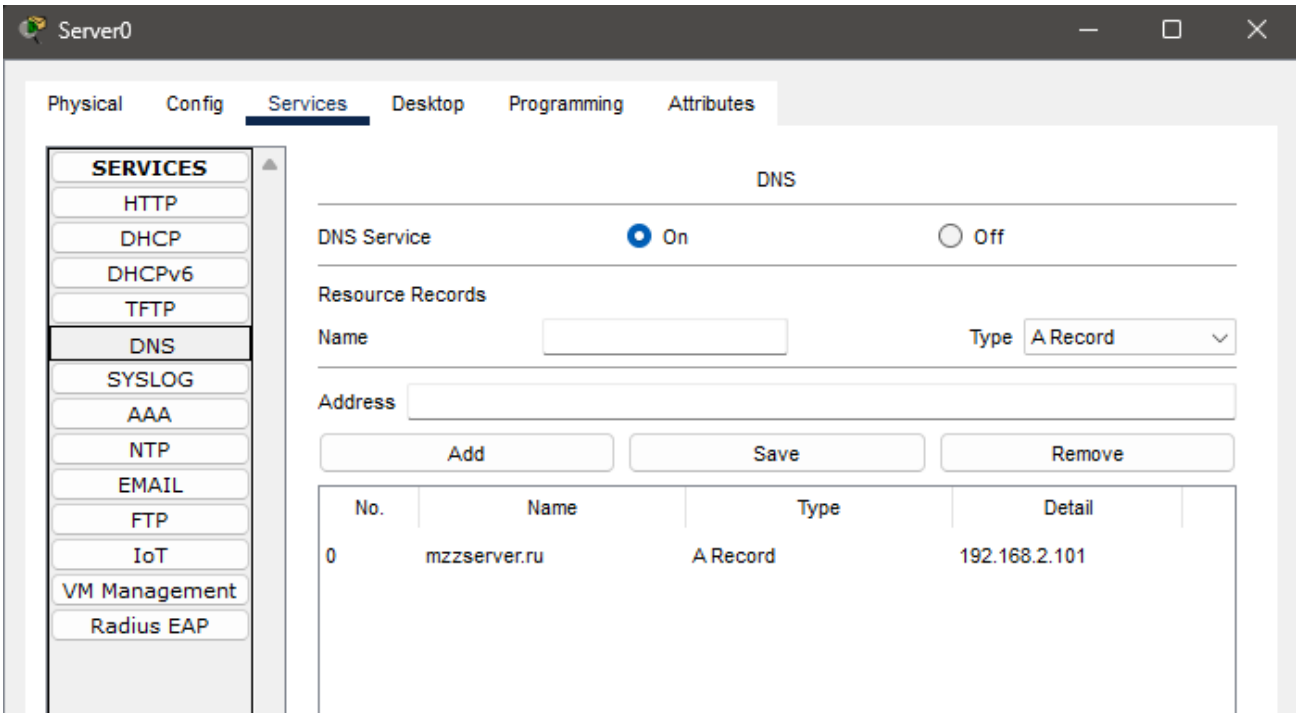



2. Настраиваем шлюз и айпи сервера.

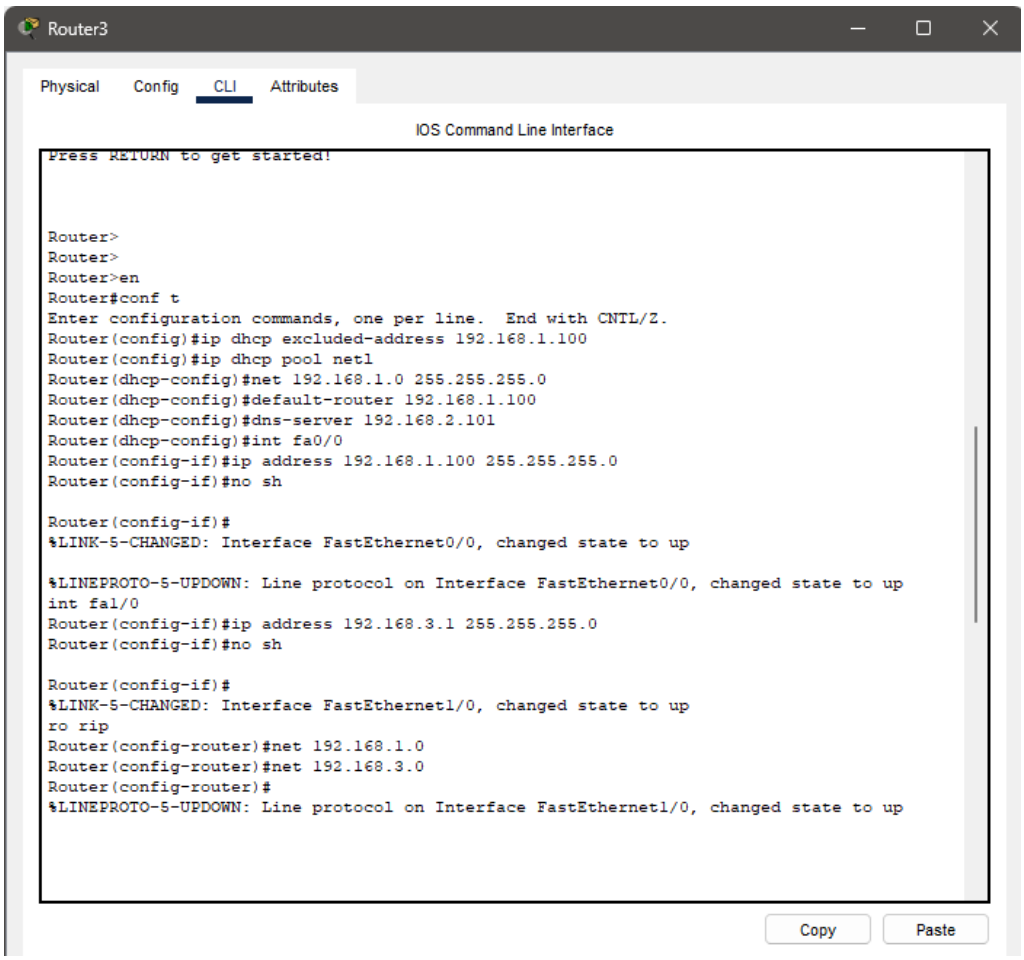





3. Включаем DNS, добавляем свой сервер.




4. Настраиваем DHCP на ообоиих роутерах.




```
Router>en
Router#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
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
% Incomplete command.
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 192.168.2.100
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)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

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)#
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up

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

5. Пингуем из PC0 в PC2

```
C:\>ping 192.168.2.1

Pinging 192.168.2.1 with 32 bytes of data:

Reply from 192.168.2.1: bytes=32 time<1ms TTL=126
Reply from 192.168.2.1: bytes=32 time<1ms TTL=126
Reply from 192.168.2.1: bytes=32 time<1ms 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 = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

6. Получаем доступ к серверу