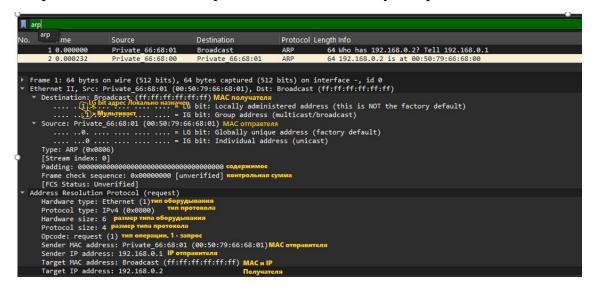
#### Команды для настройки:

PC1: ip 192.168.0.1 /24 ping 192.168.0.2 PC2: ip 192.168.0.2 /24

ping 192.168.0.1

Запрос  $\Pi \kappa 1 \rightarrow \Pi \kappa 2$ , смотрим связь  $\pi \kappa 1$  – коммутатор



Ответ:  $\Pi \kappa 2 \rightarrow \Pi \kappa 1$ 

```
arp
        Time
                          Source
                                                   Destination
                                                                            Protocol Length Info
                          Private 66:68:01
                                                                                         64 Who has 192.168.0.2? Tell 192.168.0.1
       1 0.000000
                                                   Broadcast
                                                                            ARP
Frame 2: 64 bytes on wire (512 bits), 64 bytes captured (512 bits) on interface -, id 0

Ethernet II, Src: Private_66:68:00 (00:50:79:66:68:00), Dst: Private_66:68:01 (00:50:79:66:68:01)

    Destination: Private_66:68:01 (00:50:79:66:68:01)

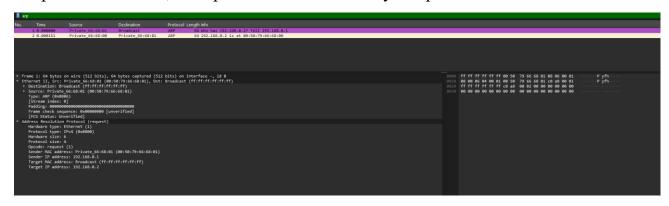
   Type: ARP (0x0806)
      [FCS Status: Unverified]
 Address Resolution Protocol (reply)
     Hardware type: Ethernet (1)
Protocol type: IPv4 (0x0800)
Hardware size: 6
      Protocol size: 4
     Opcode: reply (2) 2.0TBET

Sender MAC address: Private_66:68:00 (00:50:79:66:68:00)

Sender IP address: 192.168.0.2

Target MAC address: Private_66:68:01 (00:50:79:66:68:01)
      Target IP address: 192.168.0.1
```

# Запрос Пк1 —> Пк2, смотрим связь пк2 — коммутатор



# Ответ: $\Pi \kappa 2 -> \Pi \kappa 1$

```
| No. | Tree | Source | Dustration | Protect | Castella | Product | Alle | Castella | Ca
```

#### **МАРШРУТИЗАТОР**

## Команды для настройки:

Для пк 3:

ip 192.168.0.1 /24 192.168.0.254\

Для пк 4:

ip 192.168.1.10/24 192.168.1.254

Для маршрутизатора:

enable

configure terminal

interface FastEthernet 0/0

ip address 192.168.0.254 255.255.255.0

no shutdown

end

configure terminal

interface FastEthernet 1/0

ip address 192.168.1.254 255.255.255.0

no shutdown

exit

ip route

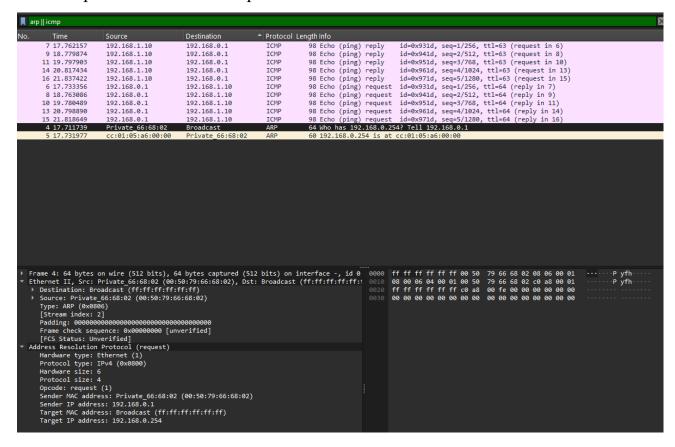
ip routing

exit

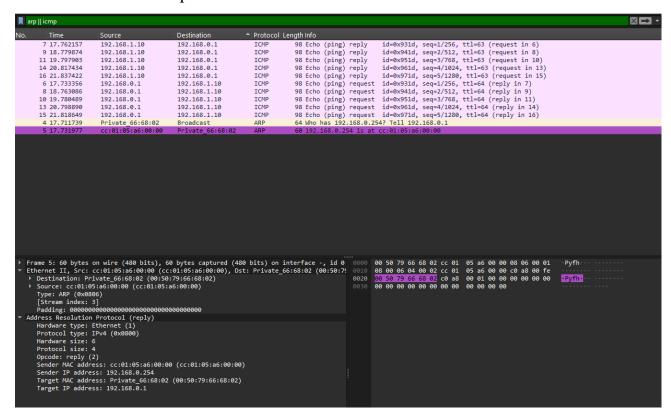
write memory

#### PC3 - Router

#### ARP запрос PC3 -> PC4. Отправлен на Router

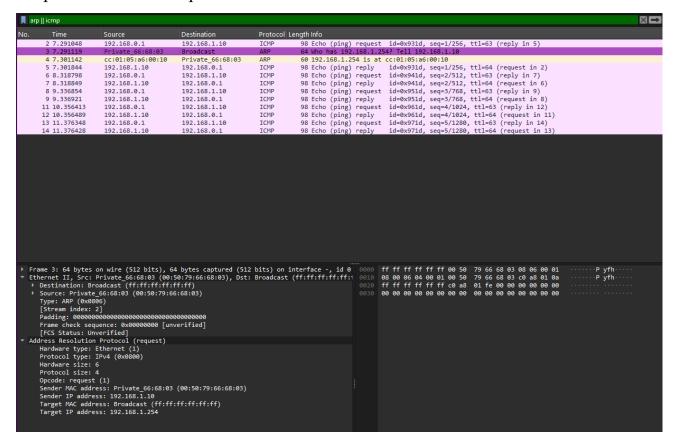


#### Ответ PC4 -> PC3. Пришел с Router

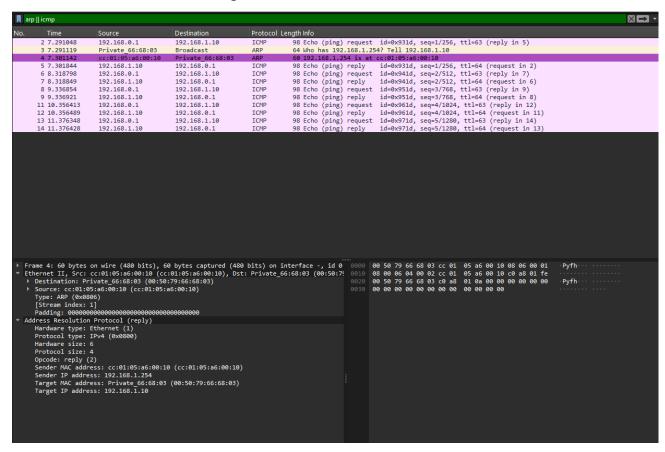


#### PC4 - Router

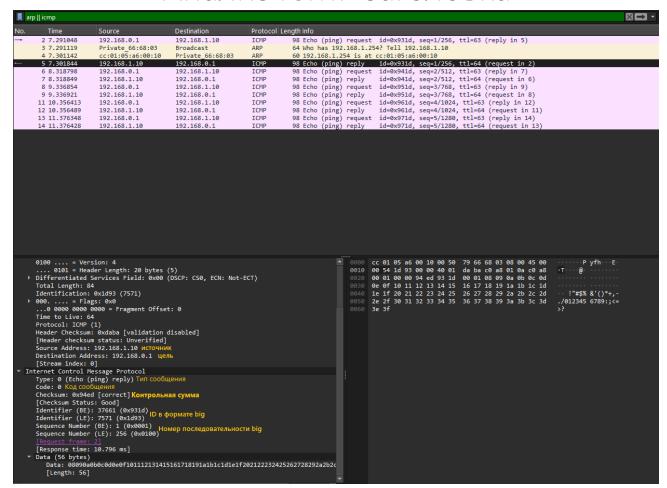
### Запрос РС3 -> РС4. Пришел с Router



## ARP ответ PC4 -> PC3. Отправлен на Router



# Анализ ICMP заголовка



Терентьев Егор авт-209