

- мой: 192.168.42.191, их: 121.37.49.12(huawei.com) (Азия — другой континент)
- ICMP работает на сетевом уровне
- Тип: 8
Код: 0
Checksum, Identifier (BE) и (LE), Sequence Number (BE) и (LE)
По 2 на каждое поле
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Код: 0
Checksum, Identifier (BE) и (LE), Sequence Number (BE) и (LE)
По 2 на каждое поле

The image shows a Wireshark capture of ICMP Echo (ping) traffic. The packet list shows 20 packets, alternating between requests and replies. The selected packet (No. 6) is an Echo (ping) request with the following details:

- Type: 8 (Echo (ping) request)
- Code: 0
- Checksum: 0x4d03 [correct]
- [Checksum Status: Good]
- Identifier (BE): 1 (0x0001)
- Identifier (LE): 256 (0x0100)
- Sequence Number (BE): 88 (0x0058)
- Sequence Number (LE): 22528 (0x5800)
- [Response frame: 6]
- Data (32 bytes)

The packet bytes are displayed in hexadecimal and ASCII. The ASCII column shows the characters 'F', 'G', 'H', 'I', 'J', 'K', 'L', 'M', 'N', 'O', 'P', 'Q', 'R', 'S', 'T', 'U', 'V', 'W', 'X', 'Y', 'Z'.

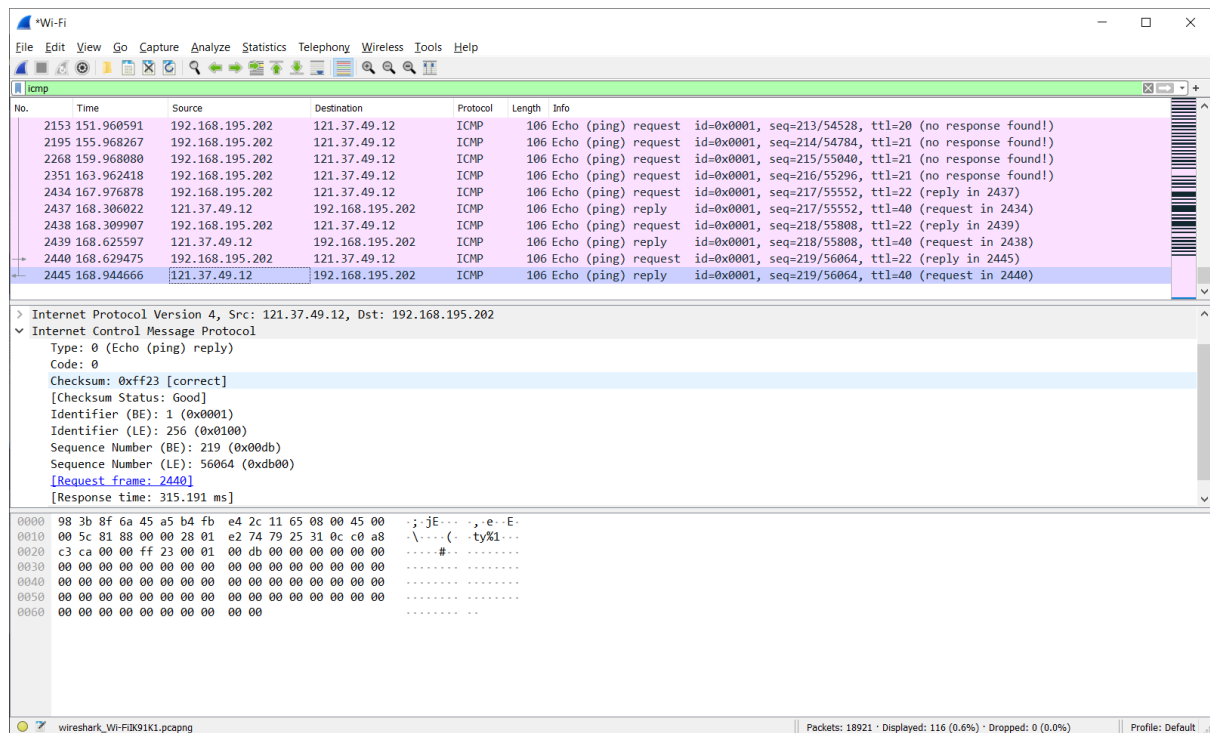
- у ping ttl=128, у tracer 1 (меняется потом)
у tracer 64 байта на данные (32 у ping)
другой Sequence Number

Wireshark capture of ICMP Echo (ping) requests. The packet list shows 18 packets. Packet 184 (No. 184, Time 11.428321) is selected, showing details of an Internet Control Message Protocol (ICMP) Echo (ping) request. The details pane shows: Type: 8 (Echo (ping) request), Code: 0, Checksum: 0xf764 [correct], Identifier (BE): 1 (0x0001), Identifier (LE): 256 (0x0100), Sequence Number (BE): 154 (0x009a), Sequence Number (LE): 39424 (0x9a00). The packet bytes pane shows the raw data in hexadecimal and ASCII.

- Добавились IPv4 и ICMP данные предыдущего запроса

Wireshark capture of ICMP Echo (ping) requests. The packet list shows 18 packets. Packet 184 (No. 184, Time 11.428321) is selected, showing details of an Internet Control Message Protocol (ICMP) Echo (ping) request. The details pane shows: Type: 11 (Time-to-live exceeded), Code: 0 (Time to live exceeded in transit), Checksum: 0xf4ff [correct], [Checksum Status: Good], Unused: 00000000. The packet bytes pane shows the raw data in hexadecimal and ASCII.

3. так как пакет дошел и вернулся обратно, то time-to-live exceeded не произошло
другой тип ICMP (тут 0, там 11)
нет данных исходного запроса



4. Большая разница тут. Все находится в Китае.

9	61 ms	61 ms	61 ms	202.97.58.149
10	311 ms	*	*	202.97.89.109
11	321 ms	321 ms	322 ms	202.97.94.113