P1

1.

Ping www.example.com -s 2021(OS X)

2

No.	Time	Source	Destination	Protocol	Length	Info
4170	24.223703	10.25.185.48	172.18.1.93	ICMP	70	Destination unreachable (Port unreachable)
4191	24.239357	10.25.185.48	119.29.29.29	ICMP	70	Destination unreachable (Port unreachable)
4230	24.274300	10.25.185.48	114.114.114.114	ICMP	70	Destination unreachable (Port unreachable)
4480	25.319331	10.25.185.48	223.5.5.5	ICMP	70	Destination unreachable (Port unreachable)
4489	25.328604	10.25.185.48	119.29.29.29	ICMP	70	Destination unreachable (Port unreachable)
4522	25.360354	10.25.185.48	172.18.1.92	ICMP	70	Destination unreachable (Port unreachable)
4542	25.365358	10.25.185.48	114.114.114.114	ICMP	70	Destination unreachable (Port unreachable)
4546	25.365604	10.25.185.48	119.29.29.29	ICMP	70	Destination unreachable (Port unreachable)
4554	25.372062	10.25.185.48	223.5.5.5	ICMP	70	Destination unreachable (Port unreachable)
4574	25.386396	10.25.185.48	114.114.114.114	ICMP	70	Destination unreachable (Port unreachable)

use ip.proto == 1

3

232…	71.560429	10.25.185.48	10.27.255.254	ICMP	1382	Echo (ping) request id=0xc79c, seq=0/0,
232…	71.565777	10.27.255.254	10.25.185.48	ICMP	1382	Echo (ping) reply id=0xc79c, seq=0/0,
232…	71.580562	10.25.185.48	10.27.255.254	ICMP	1382	Echo (ping) request id=0xc79c, seq=0/0,
232…	71.588109	10.27.255.254	10.25.185.48	ICMP	1382	Echo (ping) reply id=0xc79c, seq=0/0,
232…	71.597959	10.25.185.48	10.27.255.254	ICMP	1382	Echo (ping) request id=0xc79c, seq=0/0,
232…	71.612577	10.27.255.254	10.25.185.48	ICMP	1382	Echo (ping) reply id=0xc79c, seq=0/0,
232…	71.642612	10.25.185.48	10.27.255.254	ICMP	1382	Echo (ping) request id=0xc79c, seq=0/0,
232…	71.656437	10.27.255.254	10.25.185.48	ICMP	1382	Echo (ping) reply id=0xc79c, seq=0/0,
254…	82.654021	10.25.185.48	10.27.255.254	ICMP	1382	Echo (ping) request id=0xc79c, seq=0/0,
254…	82.667588	10.27.255.254	10.25.185.48	ICMP	1382	Echo (ping) reply id=0xc79c, seq=0/0,
254…	82.679018	10.25.185.48	10.27.255.254	ICMP	1382	Echo (ping) request id=0xc79c, seq=0/0,
254…	82.682585	10.27.255.254	10.25.185.48	ICMP	1382	Echo (ping) reply id=0xc79c, seq=0/0,
254…	82.697828	10.25.185.48	10.27.255.254	ICMP	1382	Echo (ping) request id=0xc79c, seq=0/0,
254…	82.701609	10.27.255.254	10.25.185.48	ICMP	1382	Echo (ping) reply id=0xc79c, seq=0/0,
254…	82.717398	10.25.185.48	10.27.255.254	ICMP	1382	Echo (ping) request id=0xc79c, seq=0/0,
254…	82.734901	10.27.255.254	10.25.185.48	ICMP	1382	Echo (ping) reply id=0xc79c, seq=0/0,

2 fragments

4

232… 71.560429	10.25.185.48	10.27.255.254	ICMP	1382 Echo (ping) request	id=0xc79c, seq=0/0,
232… 71.565777	10.27.255.254	10.25.185.48	ICMP	1382 Echo (ping) reply	id=0xc79c, seq=0/0,
232… 71.580562	10.25.185.48	10.27.255.254	ICMP	1382 Echo (ping) request	id=0xc79c, seq=0/0,
232… 71.588109	10.27.255.254	10.25.185.48	ICMP	1382 Echo (ping) reply	id=0xc79c, seq=0/0,
232… 71.597959	10.25.185.48	10.27.255.254	ICMP	1382 Echo (ping) request	id=0xc79c, seq=0/0,
232… 71.612577	10.27.255.254	10.25.185.48	ICMP	1382 Echo (ping) reply	id=0xc79c, seq=0/0,
232… 71.642612	10.25.185.48	10.27.255.254	ICMP	1382 Echo (ping) request	id=0xc79c, seq=0/0,
232… 71.656437	10.27.255.254	10.25.185.48	ICMP	1382 Echo (ping) reply	id=0xc79c, seq=0/0,
254… 82.654021	10.25.185.48	10.27.255.254	ICMP	1382 Echo (ping) request	id=0xc79c, seq=0/0,
254… 82.667588	10.27.255.254	10.25.185.48	ICMP	1382 Echo (ping) reply	id=0xc79c, seq=0/0,
254… 82.679018	10.25.185.48	10.27.255.254	ICMP	1382 Echo (ping) request	id=0xc79c, seq=0/0,
254… 82.682585	10.27.255.254	10.25.185.48	ICMP	1382 Echo (ping) reply	id=0xc79c, seq=0/0,
254… 82.697828	10.25.185.48	10.27.255.254	ICMP	1382 Echo (ping) request	id=0xc79c, seq=0/0,
254… 82.701609	10.27.255.254	10.25.185.48	ICMP	1382 Echo (ping) reply	id=0xc79c, seq=0/0,
254… 82.717398	10.25.185.48	10.27.255.254	ICMP	1382 Echo (ping) request	id=0xc79c, seq=0/0,
254… 82.734901	10.27.255.254	10.25.185.48	ICMP	1382 Echo (ping) reply	id=0xc79c, seq=0/0,

Obviously.

5

There are flag to show the order

427… 173.952770	10.25.185.48	172.18.1.93	ICMP	70 Destination unreachable (Port unreachable)
427… 173.959205	10.25.185.48	114.114.114.114	ICMP	70 Destination unreachable (Port unreachable)
427… 174.150868	10.25.185.48	119.29.29.29	ICMP	70 Destination unreachable (Port unreachable)
432… 175.804270	10.25.101.193	255.255.255.255	ICMP	56 Echo (ping) request id=0x0002, seq=2855/9995, ttl=255 (broadcast)
432… 175.815026	10.25.185.48	10.25.101.193	ICMP	50 Echo (ping) reply id=0x0002, seq=2855/9995, ttl=64
445… 182.505309	10.25.185.48	10.27.255.254	ICMP	1382 Echo (ping) request id=0xc79c, seq=0/0, ttl=64 (reply in 44621)
446… 182.529234	10.27.255.254	10.25.185.48	ICMP	1382 Echo (ping) reply id=0xc79c, seq=0/0, ttl=255 (request in 44588)
446… 182.545056	10.25.185.48	10.27.255.254	ICMP	1382 Echo (ping) request id=0xc79c, seq=0/0, ttl=64 (reply in 44625)
446… 182.552689	10.27.255.254	10.25.185.48	ICMP	1382 Echo (ping) reply id=0xc79c, seq=0/0, ttl=255 (request in 44623)
446… 182.563594	10.25.185.48	10.27.255.254	ICMP	1382 Echo (ping) request id=0xc79c, seq=0/0, ttl=64 (reply in 44629)
446… 182.568738	10.27.255.254	10.25.185.48	ICMP	1382 Echo (ping) reply id=0xc79c, seq=0/0, ttl=255 (request in 44628)
446… 182.577484	10.25.185.48	10.27.255.254	ICMP	1382 Echo (ping) request id=0xc79c, seq=0/0, ttl=64 (reply in 44634)
446… 182.585519	10.27.255.254	10.25.185.48	ICMP	1382 Echo (ping) reply id=0xc79c, seq=0/0, ttl=255 (request in 44633)
454… 185.873991	10.25.185.48	172.16.16.100	ICMP	70 Destination unreachable (Port unreachable)

```
> Frame 44621: 1382 bytes on wire (11056 bits), 1382 bytes captured (11056 bits) on interface en0, id 0
> Ethernet II, Src: JuniperN_d0:83:c1 (3c:8c:93:d0:83:c1), Dst: Apple_dd:69:8d (88:4d:7c:dd:69:8d)
∨ Internet Protocol Version 4, Src: 10.27.255.254, Dst: 10.25.185.48
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
  > Differentiated Services Field: 0xc0 (DSCP: CS6, ECN: Not-ECT)
    Total Length: 1368
    Identification: 0x0000 (0)
  > Flags: 0x00
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 255
    Protocol: ICMP (1)
    Header Checksum: 0xe881 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 10.27.255.254
    Destination Address: 10.25.185.48
∨ Internet Control Message Protocol
```

P2

1365 7.392729	172.18.1.3	10.25.185.48	ICMP	94 Destination unreachable (Host administratively prohibited)
2332 12.294897	172.18.1.3	10.25.185.48	ICMP	94 Destination unreachable (Host administratively prohibited)
3162 17.293662	172.18.1.3	10.25.185.48	ICMP	94 Destination unreachable (Host administratively prohibited)
3424 18.987914	10.25.185.48	172.18.1.93	ICMP	70 Destination unreachable (Port unreachable)
3426 18.990661	10.25.185.48	223.5.5.5	ICMP	70 Destination unreachable (Port unreachable)
3454 19.026722	10.25.185.48	114.114.114.114	ICMP	70 Destination unreachable (Port unreachable)
3462 19.078248	10.25.185.48	119.29.29.29	ICMP	70 Destination unreachable (Port unreachable)
4070 22.306676	172.18.1.3	10.25.185.48	ICMP	94 Destination unreachable (Host administratively prohibited)
5003 27.308376	172.18.1.3	10.25.185.48	ICMP	94 Destination unreachable (Host administratively prohibited)
5884 32.308905	172.18.1.3	10.25.185.48	ICMP	94 Destination unreachable (Host administratively prohibited)
6040 33.235067	10.25.185.48	223.5.5.5	ICMP	70 Destination unreachable (Port unreachable)
6048 33.244518	10.25.185.48	119.29.29.29	ICMP	70 Destination unreachable (Port unreachable)
6087 33.306504	10.25.185.48	114.114.114.114	ICMP	70 Destination unreachable (Port unreachable)
6883 37.313795	172.18.1.3	10.25.185.48	ICMP	94 Destination unreachable (Host administratively prohibited)

I can't reach this

Type is 3(no reachable)

Those packet's data part includes a request packet which can be analysis as IP and ICMP packet (with their ip header), other ICMP packet will not take another packet in their data part or cannot be analysis as ip and icmp packet.

Is different

Bigger than request packet