

ARP/IP/ICMP Packets

Four packets are detaild below, 2 ARP packets and 2 ICMP/Ping (request/reply) packets.

Source IP: 10.228.85.16

Target IP: 10.228.85.18

Command: ping 10.228.85.18

arp or icmp						
No.	Time	Source	Destination	Protocol	Length	Info
189	5.258029	Dell_84:a5:7c	Broadcast	ARP	42	Who has 10.228.85.18? Tell 10.228.85.16
190	5.260855	Dell_84:91:4c	Dell_84:a5:7c	ARP	60	10.228.85.18 is at d8:9e:f3:84:91:4c
191	5.260869	10.228.85.16	10.228.85.18	ICMP	74	Echo (ping) request id=0x0001, seq=1/256, ttl=128 (reply in 192)
192	5.261091	10.228.85.18	10.228.85.16	ICMP	74	Echo (ping) reply id=0x0001, seq=1/256, ttl=128 (request in 191)
198	6.268203	10.228.85.16	10.228.85.18	ICMP	74	Echo (ping) request id=0x0001, seq=2/512, ttl=128 (reply in 199)
199	6.268448	10.228.85.18	10.228.85.16	ICMP	74	Echo (ping) reply id=0x0001, seq=2/512, ttl=128 (request in 198)
210	7.286128	10.228.85.16	10.228.85.18	ICMP	74	Echo (ping) request id=0x0001, seq=3/768, ttl=128 (reply in 211)
211	7.286319	10.228.85.18	10.228.85.16	ICMP	74	Echo (ping) reply id=0x0001, seq=3/768, ttl=128 (request in 210)

> Frame 189: 42 bytes on wire (336 bits), 42 bytes captured (336 bits) on interface \Device\NPF_{C7E8B480-6E64-4948-8252-3F208BE52C74},
 > Ethernet II, Src: Dell_84:a5:7c (d8:9e:f3:84:a5:7c), Dst: Broadcast (ff:ff:ff:ff:ff:ff)
 > Address Resolution Protocol (request)

0000	ff ff ff ff ff ff	d8 9e f3 84 a5 7c	08 06 00 01
0010	08 00 06 04 00 01	d8 9e f3 84 a5 7c	0a e4 55 10U.
0020	00 00 00 00 00 00	0a e4 55 12	U.

arp or icmp						
No.	Time	Source	Destination	Protocol	Length	Info
189	5.258029	Dell_84:a5:7c	Broadcast	ARP	42	Who has 10.228.85.18? Tell 10.228.85.16
190	5.260855	Dell_84:91:4c	Dell_84:a5:7c	ARP	60	10.228.85.18 is at d8:9e:f3:84:91:4c
191	5.260869	10.228.85.16	10.228.85.18	ICMP	74	Echo (ping) request id=0x0001, seq=1/256, ttl=128 (
192	5.261091	10.228.85.18	10.228.85.16	ICMP	74	Echo (ping) reply id=0x0001, seq=1/256, ttl=128 (
198	6.268203	10.228.85.16	10.228.85.18	ICMP	74	Echo (ping) request id=0x0001, seq=2/512, ttl=128 (
199	6.268448	10.228.85.18	10.228.85.16	ICMP	74	Echo (ping) reply id=0x0001, seq=2/512, ttl=128 (
210	7.286128	10.228.85.16	10.228.85.18	ICMP	74	Echo (ping) request id=0x0001, seq=3/768, ttl=128 (
211	7.286319	10.228.85.18	10.228.85.16	ICMP	74	Echo (ping) reply id=0x0001, seq=3/768, ttl=128 (

> Frame 190: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{C7E8B480-6E64-4948-8252-3F208BE52C74},
 > Ethernet II, Src: Dell_84:91:4c (d8:9e:f3:84:91:4c), Dst: Dell_84:a5:7c (d8:9e:f3:84:a5:7c)
 > Address Resolution Protocol (reply)

0000	d8 9e f3 84 a5 7c	d8 9e f3 84 91 4c	08 06 00 01L.....
0010	08 00 06 04 00 02	d8 9e f3 84 91 4c	0a e4 55 12L...U.
0020	d8 9e f3 84 a5 7c	0a e4 55 10	00 00 00 00U.....
0030	00 00 00 00 00 00	00 00 00 00	

ARP/IP/ICMP Packets

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189	5.258029	Dell_84:a5:7c	Broadcast	ARP	42	Who has 10.228.85.18? Tell 10.228.85.16
190	5.260855	Dell_84:91:4c	Dell_84:a5:7c	ARP	60	10.228.85.18 is at d8:9e:f3:84:91:4c
→ 191	5.260869	10.228.85.16	10.228.85.18	ICMP	74	Echo (ping) request id=0x0001, seq=1/256, ttl=128 (reply in 192)
← 192	5.261091	10.228.85.18	10.228.85.16	ICMP	74	Echo (ping) reply id=0x0001, seq=1/256, ttl=128 (request in 191)
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210	7.286128	10.228.85.16	10.228.85.18	ICMP	74	Echo (ping) request id=0x0001, seq=3/768, ttl=128 (reply in 211)
211	7.286319	10.228.85.18	10.228.85.16	ICMP	74	Echo (ping) reply id=0x0001, seq=3/768, ttl=128 (request in 210)

> Frame 191: 74 bytes on wire (592 bits), 74 bytes captured (592 bits) on interface \Device\NPF_{C7E8B480-6E64-4948-8252-3F208BE52C74}

> Ethernet II, Src: Dell_84:a5:7c (d8:9e:f3:84:a5:7c), Dst: Dell_84:91:4c (d8:9e:f3:84:91:4c)

> Internet Protocol Version 4, Src: 10.228.85.16, Dst: 10.228.85.18

> Internet Control Message Protocol

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0000  d8 9e f3 84 91 4c d8 9e f3 84 a5 7c 08 00 45 00  ....L...|...E.
0010  00 3c 97 f0 00 00 80 01 00 00 0a e4 55 10 0a e4  <.....U...
0020  55 12 08 00 4d 5a 00 01 00 01 61 62 63 64 65 66  U...MZ...abcdef
0030  67 68 69 6a 6b 6c 6d 6e 6f 70 71 72 73 74 75 76  ghijklmn opqrstuv
0040  77 61 62 63 64 65 66 67 68 69                    wabcdefg hi
  
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→ 191	5.260869	10.228.85.16	10.228.85.18	ICMP	74	Echo (ping) request id=0x0001, seq=1/256, ttl=128 (reply in 192)
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> Frame 192: 74 bytes on wire (592 bits), 74 bytes captured (592 bits) on interface \Device\NPF_{C7E8B480-6E64-4948-8252-3F208BE52C74}

> Ethernet II, Src: Dell_84:91:4c (d8:9e:f3:84:91:4c), Dst: Dell_84:a5:7c (d8:9e:f3:84:a5:7c)

> Internet Protocol Version 4, Src: 10.228.85.18, Dst: 10.228.85.16

> Internet Control Message Protocol

```

0000  d8 9e f3 84 a5 7c d8 9e f3 84 91 4c 08 00 45 00  ....|...L...E.
0010  00 3c 9f 85 00 00 80 01 db 51 0a e4 55 12 0a e4  <.....Q...U...
0020  55 10 00 00 55 5a 00 01 00 01 61 62 63 64 65 66  U...UZ...abcdef
0030  67 68 69 6a 6b 6c 6d 6e 6f 70 71 72 73 74 75 76  ghijklmn opqrstuv
0040  77 61 62 63 64 65 66 67 68 69                    wabcdefg hi
  
```