- 1. 192.168.29.215
- 2. ICMP (1)
- 3. There are 20 bytes in the IP header. The payload is 528 bytes, which you can see by expanding out the Internet Control Message Protocol and eventually expanding that same field again below that to see it highlights 520 bytes for the actual payload.¹
- 4. No it has not, the fragmentation offset is set to 0.
- 5. Identification, Header Checksum, Time to Live, Source, & Destination Port.
- 6. The Source and Destination fields stay constant. These fields must stay constant in order to properly trace the route from the source to the destination, while the Identification, Header Checksum and Time to Live fields change in order to measure the times and routes that are taken
- 7. It is decrementing by 1 as you go down the list.
- 8. 0x0000e958 (59736) is the identification, and the TTL field is 64.
- 9. The TTL stays at 64 since it is the first hop and would always have the same TTL on a TTL-exceeded reply.
- 10. Yes, this IP datagram has been fragmented into 2 pieces. This is indicated by their showing 2 IPv4 Fragments (1980) bytes.
- 11. First, the fragmentation offset is higher than 0, which indicates that it is fragmented. Also, the flags are set 0x00, which means that this piece arrived last and not first since the other higher numbered but smaller fragment had different flags. This is not the first fragment, since the offset is not 0.¹
- 12. This packet appears to be the first datagram fragment, since its offset is 0. After this fragment, there was one more since this one was 1500 and the next was 520. Also, the flags indicate there is more by being set as 0x01.¹
- 13. The header checksum changed and the length.
- 14. There were 3 fragments created from the original.¹
- 15. Total Length, Flags, and Header Checksum.

¹See additional attached for printed packet from WireShark

```
1 2016-05-24 20:49:02.328080
                   192.168.29.215
                               128.119.245.12
                                          ICMP
                                               590
                                                  Time-to-live exceeded (Fragment reassembly
time exceeded)
Frame 1: 590 bytes on wire (4720 bits), 590 bytes captured (4720 bits) on interface 0
Ethernet II, Src: Tp-LinkT_a4:c8:70 (e8:de:27:a4:c8:70), Dst: AsustekC_9a:a6:20 (38:2c:4a:9a:a6:20)
Internet Protocol Version 4, Src: 192.168.29.215, Dst: 128.119.245.12
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
  Total Length: 576
  Identification: 0x49b8 (18872)
  Flags: 0x00
  Fragment offset: 0
  Time to live: 128
  Protocol: ICMP (1)
  Header checksum: 0x9b01 [validation disabled]
  Source: 192.168.29.215
  Destination: 128.119.245.12
  [Source GeoIP: Unknown]
  [Destination GeoIP: Unknown]
Internet Control Message Protocol
  Type: 11 (Time-to-live exceeded)
  Code: 1 (Fragment reassembly time exceeded)
  Checksum: 0x101a [correct]
  Internet Protocol Version 4, Src: 128.119.245.12, Dst: 192.168.29.215
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes
    Differentiated Services Field: 0x20 (DSCP: CS1, ECN: Not-ECT)
    Total Length: 1500
    Identification: 0x35f4 (13812)
    Flags: 0x01 (More Fragments)
    Fragment offset: 0
    Time to live: 45
    Protocol: ICMP (1)
    Header checksum: 0xde09 [validation disabled]
    Source: 128.119.245.12
    Destination: 192.168.29.215
    [Source GeoIP: Unknown]
    [Destination GeoIP: Unknown]
  Internet Control Message Protocol
    Type: 0 (Echo (ping) reply)
    Code: 0
    Checksum: 0x39d1 [in ICMP error packet]
    Identifier (BE): 1 (0x0001)
Identifier (LE): 256 (0x0100)
    Sequence number (BE): 2674 (0x0a72)
    Sequence number (LE): 29194 (0x720a)
    Data (520 bytes)
0050
   9969
   0090
00b0
  99c9
   99f9
   0100
   0130
0160
   0170
   01a0
0200 20 20 20 20 20 20 20 20
```

```
12229 2016-05-24 20:49:26.798801
                                      192.168.29.1
                                                                192.168.29.215
                                                                                        ICMP
                                                                                                  590 Time-to-live exceeded (Time to live exceeded
in transit)
Frame 12229: 590 bytes on wire (4720 bits), 590 bytes captured (4720 bits) on interface 0
Ethernet II, Src: AsustekC_9a:a6:20 (38:2c:4a:9a:a6:20), Dst: Tp-LinkT_a4:c8:70 (e8:de:27:a4:c8:70)
Internet Protocol Version 4, Src: 192.168.29.1, Dst: 192.168.29.215
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes
    Differentiated Services Field: 0xc0 (DSCP: CS6, ECN: Not-ECT)
    Total Length: 576
    Identification: 0xe958 (59736)
    Flags: 0x00
    Fragment offset: 0
    Time to live: 64
    Protocol: ICMP (1)
    Header checksum: Oxd27b [validation disabled]
    Source: 192.168.29.1
    Destination: 192.168.29.215
    [Source GeoIP: Unknown]
    [Destination GeoIP: Unknown]
Internet Control Message Protocol
```

```
2359 2016-05-24 20:49:09.692018
                                    192.168.29.215
                                                           128.119.245.12
                                                                                 ICMP
                                                                                          534
                                                                                                 Echo (ping) request id=0x0001,
seq=3053/60683, ttl=255 (reply in 2376)
Frame 2359: 534 bytes on wire (4272 bits), 534 bytes captured (4272 bits) on interface 0
Ethernet II, Src: Tp-LinkT_a4:c8:70 (e8:de:27:a4:c8:70), Dst: AsustekC_9a:a6:20 (38:2c:4a:9a:a6:20)
Internet Protocol Version 4, Src: 192.168.29.215, Dst: 128.119.245.12
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes
   Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    Total Length: 520
    Identification: 0x49e8 (18920)
   Flags: 0x00
   Fragment offset: 1480
    Time to live: 255
   Protocol: ICMP (1)
    Header checksum: 0x1b50 [validation disabled]
    Source: 192.168.29.215
   Destination: 128.119.245.12
    [Source GeoIP: Unknown]
    [Destination GeoIP: Unknown]
    [2 IPv4 Fragments (1980 bytes): #2358(1480), #2359(500)]
        [Frame: 2358, payload: 0-1479 (1480 bytes)]
        [Frame: 2359, payload: 1480-1979 (500 bytes)]
        [Fragment count: 2]
        [Reassembled IPv4 length: 1980]
        [Reassembled IPv4 data: 0800305600010bed20202020202020202020202020202020...]
Internet Control Message Protocol
```

```
C:\Users\Moot\AppData\Local\Temp\wireshark_pcapng_4B5984CE-D56B-450D-A9F6-EA2E28136BCC_20160524204902_a01472 12288 total packets, 303 shown
 2358 2016-05-24 20:49:09.692004
             192.168.29.215
                    128.119.245.12
                           IPv4
                              1514 Fragmented IP protocol (proto=ICMP 1, off=0,
ID=49e8) [Reassembled in #2359]
Frame 2358: 1514 bytes on wire (12112 bits), 1514 bytes captured (12112 bits) on interface 0
Ethernet II, Src: Tp-LinkT_a4:c8:70 (e8:de:27:a4:c8:70), Dst: AsustekC_9a:a6:20 (38:2c:4a:9a:a6:20)
Internet Protocol Version 4, Src: 192.168.29.215, Dst: 128.119.245.12
 0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes
 Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
 Total Length: 1500
 Identification: 0x49e8 (18920)
 Flags: 0x01 (More Fragments)
 Fragment offset: 0
 Time to live: 255
 Protocol: ICMP (1)
 Header checksum: 0xf834 [validation disabled]
 Source: 192.168.29.215
 Destination: 128.119.245.12
 [Source GeoIP: Unknown]
 [Destination GeoTP: Unknown]
 Reassembled IPv4 in frame: 2359
Data (1480 bytes)
0000
  08 00 30 56 00 01 0b ed 20 20 20 20 20 20 20 20
                   ..0V....
  9929
0030
  9949
0050
  9979
  0080
  0090
00a0
  00c0
  00e0
00f0
  0110
  0120
  0130
  0140
  0150
  0160
  0180
0190
  01a0
01b0
  01c0
  01d0
  01f0
0200
  9219
  0220
  0230
  0240
0250
  9269
  0270
  9299
02a0
  02b0
  02c0
  02e0
02f0
  0300
  0310
  0330
  0340
  0350
  0360
  9379
```

03a0

03b0

03d0

03f0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
0400	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
0410	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
0420	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
0430	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
0440	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
0450	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
0460	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
0470	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
0480	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
0490	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
04a0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
04b0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
04c0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
04d0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
04e0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
04f0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
0500	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
0510	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
0520	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
0530	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
0540	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
0550	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
0560	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
0570	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
0580	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
0590	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
05a0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
05b0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
05c0	20	20	20	20	20	20	20	20									

```
2358 2016-05-24 20:49:09.692004
                             1514 Fragmented IP protocol (proto=ICMP 1, off=0,
            192.168.29.215
                   128.119.245.12
                          IPv4
ID=49e8) [Reassembled in #2359]
Frame 2358: 1514 bytes on wire (12112 bits), 1514 bytes captured (12112 bits) on interface 0
Ethernet II, Src: Tp-LinkT_a4:c8:70 (e8:de:27:a4:c8:70), Dst: AsustekC_9a:a6:20 (38:2c:4a:9a:a6:20)
Internet Protocol Version 4, Src: 192.168.29.215, Dst: 128.119.245.12
 0100 .... = Version: 4
 .... 0101 = Header Length: 20 bytes
 Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
 Total Length: 1500
 Identification: 0x49e8 (18920)
 Flags: 0x01 (More Fragments)
  0... = Reserved bit: Not set
  .0.. .... = Don't fragment: Not set
  ..1. .... = More fragments: Set
 Fragment offset: 0
 Time to live: 255
 Protocol: ICMP (1)
 Header checksum: 0xf834 [validation disabled]
 Source: 192.168.29.215
 Destination: 128.119.245.12
 [Source GeoIP: Unknown]
 [Destination GeoIP: Unknown]
 Reassembled IPv4 in frame: 2359
Data (1480 bytes)
0000 08 00 30 56 00 01 0b ed 20 20 20 20 20 20 20 20
                  ..0V....
 9929
 9949
0050
 0060
0070
 9999
 00b0
00c0
 00e0
 00f0
 0100
 0110
 0120
 0130
 0150
0160
 0170
 0180
 0190
 01a0
 01c0
01d0
 01e0
 01f0
 0200
0220
 0230
 0240
 9269
0270
 0280
 0290
 02h0
 02c0
02d0
 02e0
 0300
 0310
 0320
 0330
 0350
```

0380

03c0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
03d0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
03e0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
03f0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
0400	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
0410	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
0420	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
0430	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
0440	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
0450	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
0460	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
0470	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
0480	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
0490	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
04a0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
04b0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
04c0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
04d0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
04e0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
04f0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
0500	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
0510	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
0520	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
0530	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
0540	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
0550	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
0560	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
0570	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
0580	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
0590	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
05a0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
05b0	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
05c0	20	20	20	20	20	20	20	20								

```
2359 2016-05-24 20:49:09.692018
                                    192.168.29.215
                                                           128.119.245.12
                                                                                 ICMP
                                                                                          534
                                                                                                 Echo (ping) request id=0x0001,
seq=3053/60683, ttl=255 (reply in 2376)
Frame 2359: 534 bytes on wire (4272 bits), 534 bytes captured (4272 bits) on interface 0
Ethernet II, Src: Tp-LinkT_a4:c8:70 (e8:de:27:a4:c8:70), Dst: AsustekC_9a:a6:20 (38:2c:4a:9a:a6:20)
Internet Protocol Version 4, Src: 192.168.29.215, Dst: 128.119.245.12
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes
   Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    Total Length: 520
    Identification: 0x49e8 (18920)
   Flags: 0x00
       0... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
       ..0. .... = More fragments: Not set
    Fragment offset: 1480
    Time to live: 255
    Protocol: ICMP (1)
    Header checksum: 0x1b50 [validation disabled]
    Source: 192.168.29.215
    Destination: 128.119.245.12
    [Source GeoIP: Unknown]
    [Destination GeoIP: Unknown]
    [2 IPv4 Fragments (1980 bytes): #2358(1480), #2359(500)]
        [Frame: 2358, payload: 0-1479 (1480 bytes)]
        [Frame: 2359, payload: 1480-1979 (500 bytes)]
        [Fragment count: 2]
        [Reassembled IPv4 length: 1980]
        [Reassembled IPv4 data: 0800305600010bed202020202020202020202020202020...]
Internet Control Message Protocol
```

```
7391 2016-05-24 20:49:19.202943 192.168.29.215
                                                    1514 Fragmented IP protocol (proto=ICMP 1, off=0,
                                  128.119.245.12
                                               IPv4
ID=4a28) [Reassembled in #7393]
Frame 7391: 1514 bytes on wire (12112 bits), 1514 bytes captured (12112 bits) on interface 0
  Interface id: 0 (\Device\NPF_{4B5984CE-D56B-450D-A9F6-EA2E28136BCC})
  Encapsulation type: Ethernet (1)
  Arrival Time: May 24, 2016 20:49:19.202943000 Pacific Daylight Time
  [Time shift for this packet: 0.000000000 seconds]
  Epoch Time: 1464148159.202943000 seconds
  [Time delta from previous captured frame: 0.156698000 seconds]
  [Time delta from previous displayed frame: 0.375216000 seconds]
  [Time since reference or first frame: 16.874863000 seconds]
  Frame Number: 7391
  Frame Length: 1514 bytes (12112 bits)
  Capture Length: 1514 bytes (12112 bits)
  [Frame is marked: False]
  [Frame is ignored: False]
  [Protocols in frame: eth:ethertype:ip:data]
Ethernet II, Src: Tp-LinkT_a4:c8:70 (e8:de:27:a4:c8:70), Dst: AsustekC_9a:a6:20 (38:2c:4a:9a:a6:20)
  Destination: AsustekC_9a:a6:20 (38:2c:4a:9a:a6:20)
    Address: AsustekC_9a:a6:20 (38:2c:4a:9a:a6:20)
    .... .0. .... = LG bit: Globally unique address (factory default)
    .... = IG bit: Individual address (unicast)
  Source: Tp-LinkT_a4:c8:70 (e8:de:27:a4:c8:70)
    Address: Tp-LinkT_a4:c8:70 (e8:de:27:a4:c8:70)
    .... .0. .... = LG bit: Globally unique address (factory default)
    .... = IG bit: Individual address (unicast)
  Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.29.215, Dst: 128.119.245.12
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    0000 00.. = Differentiated Services Codepoint: Default (0)
    .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
  Total Length: 1500
  Identification: 0x4a28 (18984)
  Flags: 0x01 (More Fragments)
    0... = Reserved bit: Not set
    .0.. .... = Don't fragment: Not set
    ..1. .... = More fragments: Set
  Fragment offset: 0
  Time to live: 255
  Protocol: ICMP (1)
  Header checksum: 0xf7f4 [validation disabled]
    [Good: False]
    [Bad: False]
  Source: 192.168.29.215
  Destination: 128.119.245.12
  [Source GeoIP: Unknown]
  [Destination GeoIP: Unknown]
  Reassembled IPv4 in frame: 7393
Data (1480 bytes)
0000 08 00 12 00 00 01 0c 25 20 20 20 20 20 20 20 20
0050
99h9
00c0
   0120
   0130
   0160
   9199
01d0
```

Data: 0800120000010c25202020202020202020202020202020...

[Length: 1480]

```
7392 2016-05-24 20:49:19.202957
                                                    1514 Fragmented IP protocol (proto=ICMP 1,
                     192.168.29.215
                                  128.119.245.12
                                              IPv4
off=1480, ID=4a28) [Reassembled in #7393]
Frame 7392: 1514 bytes on wire (12112 bits), 1514 bytes captured (12112 bits) on interface 0
  Interface id: 0 (\Device\NPF_{4B5984CE-D56B-450D-A9F6-EA2E28136BCC})
  Encapsulation type: Ethernet (1)
  Arrival Time: May 24, 2016 20:49:19.202957000 Pacific Daylight Time
  [Time shift for this packet: 0.000000000 seconds]
  Epoch Time: 1464148159.202957000 seconds
  [Time delta from previous captured frame: 0.000014000 seconds]
  [Time delta from previous displayed frame: 0.375230000 seconds]
  [Time since reference or first frame: 16.874877000 seconds]
  Frame Number: 7392
  Frame Length: 1514 bytes (12112 bits)
  Capture Length: 1514 bytes (12112 bits)
  [Frame is marked: False]
  [Frame is ignored: False]
  [Protocols in frame: eth:ethertype:ip:data]
Ethernet II, Src: Tp-LinkT_a4:c8:70 (e8:de:27:a4:c8:70), Dst: AsustekC_9a:a6:20 (38:2c:4a:9a:a6:20)
  Destination: AsustekC_9a:a6:20 (38:2c:4a:9a:a6:20)
    Address: AsustekC_9a:a6:20 (38:2c:4a:9a:a6:20)
    .... .0. .... = LG bit: Globally unique address (factory default)
    .... = IG bit: Individual address (unicast)
  Source: Tp-LinkT_a4:c8:70 (e8:de:27:a4:c8:70)
    Address: Tp-LinkT_a4:c8:70 (e8:de:27:a4:c8:70)
    .... .0. .... = LG bit: Globally unique address (factory default)
    .... = IG bit: Individual address (unicast)
  Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.29.215, Dst: 128.119.245.12
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    0000 00.. = Differentiated Services Codepoint: Default (0)
    .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
  Total Length: 1500
  Identification: 0x4a28 (18984)
  Flags: 0x01 (More Fragments)
    0... = Reserved bit: Not set
    .0.. .... = Don't fragment: Not set
    ..1. .... = More fragments: Set
  Fragment offset: 1480
  Time to live: 255
  Protocol: ICMP (1)
  Header checksum: 0xf73b [validation disabled]
    [Good: False]
    [Bad: False]
  Source: 192.168.29.215
  Destination: 128.119.245.12
  [Source GeoIP: Unknown]
  [Destination GeoIP: Unknown]
  Reassembled IPv4 in frame: 7393
Data (1480 bytes)
0050
99h9
00c0
   00f0
0120
   0130
   0160
   9199
01d0
```

[Length: 1480]

```
7393 2016-05-24 20:49:19.202963
                              192.168.29.215
                                                                 ICMP
                                               128.119.245.12
                                                                        554
                                                                              Echo (ping) request id=0x0001,
seq=3109/9484, ttl=255 (reply in 7409)
Frame 7393: 554 bytes on wire (4432 bits), 554 bytes captured (4432 bits) on interface 0
   Interface id: 0 (\Device\NPF_{4B5984CE-D56B-450D-A9F6-EA2E28136BCC})
   Encapsulation type: Ethernet (1)
   Arrival Time: May 24, 2016 20:49:19.202963000 Pacific Daylight Time
   [Time shift for this packet: 0.000000000 seconds]
   Epoch Time: 1464148159.202963000 seconds
   [Time delta from previous captured frame: 0.000006000 seconds]
   [Time delta from previous displayed frame: 0.375236000 seconds]
   [Time since reference or first frame: 16.874883000 seconds]
   Frame Number: 7393
   Frame Length: 554 bytes (4432 bits)
   Capture Length: 554 bytes (4432 bits)
   [Frame is marked: False]
   [Frame is ignored: False]
   [Protocols in frame: eth:ethertype:ip:icmp:data]
   [Coloring Rule Name: ICMP]
[Coloring Rule String: icmp || icmpv6]
Ethernet II, Src: Tp-LinkT_a4:c8:70 (e8:de:27:a4:c8:70), Dst: AsustekC_9a:a6:20 (38:2c:4a:9a:a6:20)
   Destination: AsustekC 9a:a6:20 (38:2c:4a:9a:a6:20)
      Address: AsustekC_9a:a6:20 (38:2c:4a:9a:a6:20)
      .... .0. .... ! LG bit: Globally unique address (factory default)
      .... = IG bit: Individual address (unicast)
   Source: Tp-LinkT a4:c8:70 (e8:de:27:a4:c8:70)
      Address: Tp-LinkT_a4:c8:70 (e8:de:27:a4:c8:70)
      .... ..0. .... = LG bit: Globally unique address (factory default)
      .... ...0 .... = IG bit: Individual address (unicast)
   Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.29.215, Dst: 128.119.245.12
   0100 .... = Version: 4
   .... 0101 = Header Length: 20 bytes
   Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
      0000 00.. = Differentiated Services Codepoint: Default (0)
      .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
   Total Length: 540
   Identification: 0x4a28 (18984)
   Flags: 0x00
      0... = Reserved bit: Not set
      .0.. .... = Don't fragment: Not set
      ..0. .... = More fragments: Not set
   Fragment offset: 2960
   Time to live: 255
   Protocol: ICMP (1)
   Header checksum: 0x1a43 [validation disabled]
      [Good: False]
      [Bad: False]
   Source: 192.168.29.215
   Destination: 128.119.245.12
   [Source GeoIP: Unknown]
   [Destination GeoIP: Unknown]
   [3 IPv4 Fragments (3480 bytes): #7391(1480), #7392(1480), #7393(520)]
      [Frame: 7391, payload: 0-1479 (1480 bytes)]
[Frame: 7392, payload: 1480-2959 (1480 bytes)]
      [Frame: 7393, payload: 2960-3479 (520 bytes)]
      [Fragment count: 3]
      [Reassembled IPv4 length: 3480]
      [Reassembled IPv4 data: 0800120000010c25202020202020202020202020202020...]
Internet Control Message Protocol
   Type: 8 (Echo (ping) request)
   Code: 0
   Checksum: 0x1200 [correct]
   Identifier (BE): 1 (0x0001)
   Identifier (LE): 256 (0x0100)
   Sequence number (BE): 3109 (0x0c25)
   Sequence number (LE): 9484 (0x250c)
   [Response frame: 7409]
   Data (3472 bytes)
00c0
```

9659 0660 0670 0680 06a0 06c0 06d0 96e9 96f9 0700 0710 0720 0730 0740 0750 9769 0770 0780 9799 07a0 97h9 07c0 07d0 07e0 07f0 9899 0810 0820 0830 9849 0850 0870 0880 0890 08a0 08c0 08d0 08e0 08f0 9919 0920 0930 9949 0950 9969 0970 0980 0990 99a9 99h9 09c0 09d0 09e0 09f0 0a00 0a10 0a20 0a30 0a40 0a50 0a60 0a70 0a80 0a90 0aa0 0ab0 0ac0 0ad0 0ae0 0af0 ahaa 0b10 0b30 0b40 9h59 0b60

```
9h99
0ba0
0bb0
0bc0
0be0
0bf0
0c00
0c10
0c20
0c30
0c40
0c50
0c60
0c70
0c80
0ca0
0cb0
0cc0
0cd0
0ce0
0cf0
0d00
0d10
0d20
9d49
0d50
0d60
0d70
```

[Length: 3472]