Franklin Nuth Professor Ronny Bull CSC323-A 9 October 2017

IP

- 1) The IP address of my computer is 192.168.1.102.
- 2) The value in the upper layer protocol field is 1.
- 3) There are 20 bytes in the IP header. There are 64 bytes in the payload of the IP datagram. I determined this by subtracting the total length and the header length.
- 4) The IP datagram has not been fragmented, because the More fragments bit = 0.
- 5) From one datagram to the next in the series of ICMP messages, the field in the IP datagram that always changes is Source IP.
- 6) The fields that stay constant are Version and Header length because it keeps the data whole. The fields that must change are Time to live and Checksums because it keeps the data moving between the messages.
- 7) The pattern I observed in the identification field is that it decreases to 0x0000.
- 8) The value in the identification field is 42029, and the TTL field is 224.
- 9) Identification changes because two or more packets with same ID indicates presence of a larger piece of data. TTL does not change because the TTL for the first hop router is always the same.
- 10) Yes, the message has been fragmented.
- 11) The information that indicates the packet has been fragmented is the offset of 0. We can indicate this is the first or last fragment is by checking the More Fragments flag. This IP datagram is 1500.
- 12) We know this is not the first datagram fragment because the offset is 0, and there are more fragments because the More Fragments number is higher than 0.
- 13) The fields that change between the first and second fragment is total length, flags, and segment offset.
- 14) Only one fragment was created from the original datagram.
- 15) The fields that change from are fragment offset and checksum.

```
8 6.163045
                     192.168.1.102
                                         128.59.23.100
                                                                       98
                                                                             Echo (ping) request id=0x0300, seq=20483/848, ttl=1
(no response found!)
Frame 8: 98 bytes on wire (784 bits), 98 bytes captured (784 bits)
   Encapsulation type: Ethernet (1)
   Arrival Time: Aug 21, 2004 21:48:02.821397000 Eastern Daylight Time
   [Time shift for this packet: 0.000000000 seconds]
   Epoch Time: 1093139282.821397000 seconds
   [Time delta from previous captured frame: 0.297584000 seconds]
   [Time delta from previous displayed frame: 0.297584000 seconds]
   [Time since reference or first frame: 6.163045000 seconds]
   Frame Number: 8
   Frame Length: 98 bytes (784 bits)
   Capture Length: 98 bytes (784 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: PremaxPe_8a:70:1a (00:20:e0:8a:70:1a), Dst: LinksysG_da:af:73 (00:06:25:da:af:73)
   Destination: LinksysG_da:af:73 (00:06:25:da:af:73)
       Address: LinksysG_da:af:73 (00:06:25:da:af:73)
       .... .0. .... = LG bit: Globally unique address (factory default)
       .... = IG bit: Individual address (unicast)
   Source: PremaxPe_8a:70:1a (00:20:e0:8a:70:1a)
       Address: PremaxPe_8a:70:1a (00:20:e0:8a:70:1a)
       .... .0. .... = LG bit: Globally unique address (factory default)
       .... = IG bit: Individual address (unicast)
   Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.1.102, Dst: 128.59.23.100
   0100 .... = Version: 4
   .... 0101 = Header Length: 20 bytes (5)
   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: 84
   Identification: 0x32d0 (13008)
   Flags: 0x00
       0... = Reserved bit: Not set
       .0.. .... = Don't fragment: Not set
       ..0. .... = More fragments: Not set
   Fragment offset: 0
   Time to live: 1
       [Expert Info (Note/Sequence): "Time To Live" only 1]
           ["Time To Live" only 1]
           [Severity level: Note]
           [Group: Sequence]
   Protocol: ICMP (1)
   Header checksum: 0x2d2c [validation disabled]
   [Header checksum status: Unverified]
   Source: 192.168.1.102
   Destination: 128.59.23.100
   [Source GeoIP: Unknown]
   [Destination GeoIP: Unknown]
Internet Control Message Protocol
   Type: 8 (Echo (ping) request)
   Code: 0
   Checksum: 0xf7ca [correct]
   [Checksum Status: Good]
   Identifier (BE): 768 (0x0300)
   Identifier (LE): 3 (0x0003)
   Sequence number (BE): 20483 (0x5003)
   Sequence number (LE): 848 (0x0350)
   [No response seen]
       [Expert Info (Warning/Sequence): No response seen to ICMP request]
           [No response seen to ICMP request]
           [Severity level: Warning]
           [Group: Sequence]
   Data (56 bytes)
0000 37 32 20 aa aa
                                                   72 . . . . . . . . . . . . . . . . .
0030    aa  aa  aa  aa  aa  aa  aa
       [Length: 56]
```

```
[Reassembled in #349]
Frame 347: 1514 bytes on wire (12112 bits), 1514 bytes captured (12112 bits)
 Encapsulation type: Ethernet (1)
 Arrival Time: Aug 21, 2004 18:48:50.285167000 Pacific Daylight Time
  [Time shift for this packet: 0.000000000 seconds]
  Epoch Time: 1093139330.285167000 seconds
  [Time delta from previous captured frame: 0.011736000 seconds]
  [Time delta from previous displayed frame: 0.011736000 seconds]
  [Time since reference or first frame: 53.626815000 seconds]
  Frame Number: 347
  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: PremaxPe_8a:70:1a (00:20:e0:8a:70:1a), Dst: LinksysG_da:af:73 (00:06:25:da:af:73)
 Destination: LinksysG_da:af:73 (00:06:25:da:af:73)
    Address: LinksysG_da:af:73 (00:06:25:da:af:73)
    .... ..0. .... (factory default)
    .... ...0 .... = IG bit: Individual address (unicast)
 Source: PremaxPe_8a:70:1a (00:20:e0:8a:70:1a)
    Address: PremaxPe_8a:70:1a (00:20:e0:8a:70:1a)
    .... ..0. .... (factory default)
    .... ...0 .... .... = IG bit: Individual address (unicast)
 Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.1.102, Dst: 128.59.23.100
 0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
 Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
 Total Length: 1500
 Identification: 0x3344 (13124)
 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: 7
 Protocol: ICMP (1)
 Header checksum: 0x0130 [validation disabled]
  [Header checksum status: Unverified]
  Source: 192.168.1.102
 Destination: 128.59.23.100
  [Source GeoIP: Unknown]
  [Destination GeoIP: Unknown]
 Reassembled IPv4 in frame: 349
Data (1480 bytes)
0000 08 00 88 cb 03 00 be 03 38 31 20 aa aa aa aa
                            .....81 .....
. . . . . . . . . . . . . . . .
. . . . . . . . . . . . . . . .
0090
  0160
```

347 53.626815

192.168.1.102

128.59.23.100

IPv4

Fragmented IP protocol (proto=ICMP 1, off=0, ID=3344)

0210	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
0220	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0230	aa	aa	aa	aa	aa	aa		aa		aa		aa	aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0240		aa	aa	aa	aa	aa	aa				aa		aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0250 0260	aa	aa aa	aa aa	aa aa	aa aa	aa aa	aa	aa			aa aa		aa aa	aa aa	aa aa	aa aa	
0270	aa	aa	aa	aa	aa	aa		aa		aa	aa	aa	aa	aa	aa	aa	
0280		aa	aa	aa	aa	aa					aa			aa	aa	aa	
0290		aa	aa	aa	aa	aa		aa			aa		aa	aa	aa	aa	
02a0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
02b0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
02c0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
02d0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
02e0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
02f0	aa	aa	aa	aa	aa	aa			aa				aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0300		aa	aa	aa	aa	aa					aa			aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0310 0320		aa	aa	aa	aa	aa		aa	aa				aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0320 0330	aa	aa aa	aa aa	aa aa	aa aa	aa	aa	aa		aa	aa		aa	aa aa	aa aa	aa aa	• • • • • • • • • • • • • • • • • • • •
0340		aa	aa	aa	aa	aa					aa		aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0350	aa		aa	aa	aa	aa	aa				aa		aa	aa	aa	aa	
0360		aa	aa	aa		aa	aa				aa				aa	aa	
0370	aa	aa	aa	aa	aa	aa		aa		aa	aa	aa	aa	aa	aa	aa	
0380	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
0390	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
03a0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
03b0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
03c0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
03d0		aa	aa	aa	aa	aa	aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •						
03e0		aa	aa		aa			aa			aa				aa	aa	• • • • • • • • • • • • • • • • • • • •
03f0	aa	aa	aa	aa	aa	aa		aa		aa			aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0400 0410		aa	aa	aa	aa	aa	aa				aa			aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0410		aa aa	aa aa	aa	aa aa	aa		aa aa	aa		aa aa		aa	aa aa	aa aa	aa aa	
0430	aa	aa	aa	aa	aa	aa		aa		aa			aa	aa	aa	aa	
0440		aa	aa	aa	aa	aa					aa		aa	aa	aa	aa	
0450	aa		aa	aa	aa	aa	aa				aa		aa	aa	aa	aa	
0460	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
0470	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
0480	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
0490	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
04a0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
04b0	aa	aa	aa	aa	aa	aa		aa		aa	aa	aa	aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
04c0		aa	aa		aa	aa	aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •						
04d0 04e0		aa			aa						aa				aa	aa	• • • • • • • • • • • • • • • • • • • •
0460 04f0							aa										• • • • • • • • • • • • • • • • • • • •
0500							aa aa										• • • • • • • • • • • • • • • • • • • •
0510							aa										
0520							aa										
0530							aa										
0540	aa						aa										
0550	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
0560	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
0570	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
0580	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
0590	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
05a0							aa										• • • • • • • • • • • • • • • • • • • •
05b0							aa		aa	aa	aa	aa	aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
asca	22	ลล	22	22	ลล	ลล	aa	ลล									

05c0 aa aa aa aa aa aa aa aa Data: 080088cb0300be03383120aaaaaaaaaaaaaaaaaaaaaaaaaa...

[Length: 1480]

```
Fragmented IP protocol (proto=ICMP 1, off=0, ID=32f9)
   92 28.441511
              192.168.1.102
                             128.59.23.100
                                            IPv4
[Reassembled in #93]
Frame 92: 1514 bytes on wire (12112 bits), 1514 bytes captured (12112 bits)
  Encapsulation type: Ethernet (1)
  Arrival Time: Aug 21, 2004 21:48:25.099863000 Eastern Daylight Time
  [Time shift for this packet: 0.000000000 seconds]
  Epoch Time: 1093139305.099863000 seconds
  [Time delta from previous captured frame: 5.488773000 seconds]
  [Time delta from previous displayed frame: 5.488773000 seconds]
  [Time since reference or first frame: 28.441511000 seconds]
  Frame Number: 92
  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]
  [Coloring Rule Name: TTL low or unexpected]
  [Coloring Rule String: ( ! ip.dst == 224.0.0.0/4 && ip.ttl < 5 && !pim && !ospf) || (ip.dst == 224.0.0.0/24 && ip.dst != 224.0.0.251
&& ip.ttl != 1 && !(vrrp || carp))]
Ethernet II, Src: PremaxPe_8a:70:1a (00:20:e0:8a:70:1a), Dst: LinksysG_da:af:73 (00:06:25:da:af:73)
  Destination: LinksysG_da:af:73 (00:06:25:da:af:73)
     Address: LinksysG_da:af:73 (00:06:25:da:af:73)
     ......0. .... = LG bit: Globally unique address (factory default)
     .... = IG bit: Individual address (unicast)
  Source: PremaxPe_8a:70:1a (00:20:e0:8a:70:1a)
     Address: PremaxPe_8a:70:1a (00:20:e0:8a:70:1a)
     .... ..0. .... (factory default)
     .... = IG bit: Individual address (unicast)
  Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.1.102, Dst: 128.59.23.100
  0100 .... = Version: 4
   ... 0101 = Header Length: 20 bytes (5)
  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: 0x32f9 (13049)
  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: 1
     [Expert Info (Note/Sequence): "Time To Live" only 1]
        ["Time To Live" only 1]
        [Severity level: Note]
       [Group: Sequence]
  Protocol: ICMP (1)
  Header checksum: 0x077b [validation disabled]
  [Header checksum status: Unverified]
  Source: 192.168.1.102
  Destination: 128.59.23.100
  [Source GeoIP: Unknown]
  [Destination GeoIP: Unknown]
  Reassembled IPv4 in frame: 93
Data (1480 bytes)
0000 08 00 d0 c6 03 00 77 03 37 36 20 aa aa aa aa
```

0180					aa												• • • • • • • • • • • • • • • • • • • •
0190 01a0		aa aa	aa aa	aa aa			aa aa					aa aa	aa	aa aa	aa aa	aa aa	
01b0		aa	aa	aa			aa			aa			aa	aa	aa	aa	
01c0	aa	aa	aa	aa	aa		aa	aa		aa							
01d0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
01e0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
01f0		aa	aa	aa			aa				aa		aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0200 0210		aa aa	aa aa	aa aa	aa		aa					aa	aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0210		aa	aa				aa aa					aa aa	aa aa	aa aa	aa aa	aa aa	
0230		aa	aa	aa	aa		aa		aa	aa			aa	aa	aa	aa	
0240	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
0250	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
0260		aa	aa	aa	aa		aa			aa		aa	aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0270 0280		aa	aa	aa			aa				aa		aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0280 0290		aa aa	aa aa	aa aa	aa aa		aa aa					aa aa	aa aa	aa aa	aa aa	aa aa	
02a0		aa	aa	aa			aa							aa	aa	aa	
02b0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
02c0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
02d0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
02e0		aa	aa	aa			aa			aa		aa	aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
02f0 0300		aa	aa	aa			aa				aa		aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0310		aa aa	aa aa	aa aa	aa aa		aa aa					aa aa	aa aa	aa aa	aa aa	aa aa	
0320		aa	aa	aa			aa						aa	aa	aa	aa	
0330	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
0340	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
0350		aa	aa				aa						aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0360 0370		aa	aa	aa	aa		aa			aa		aa	aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0370 0380		aa aa	aa aa	aa aa	aa aa		aa aa				aa aa		aa aa	aa aa	aa aa	aa aa	
0390		aa	aa	aa			aa					aa	aa	aa	aa	aa	
03a0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
03b0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
03c0		aa	aa	aa	aa		aa	aa		aa		aa	aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
03d0 03e0		aa	aa	aa			aa						aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
03E0 03f0		aa aa	aa aa	aa aa	aa aa		aa aa	aa aa		aa aa		aa aa	aa aa	aa aa	aa aa	aa aa	
0400		aa	aa	aa	aa		aa	aa			aa	aa	aa	aa	aa	aa	
0410	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
0420	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
0430	aa	aa	aa	aa	aa		aa	aa	aa		aa	aa	aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0440		aa	aa		aa								aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0450 0460		aa			aa aa										aa	aa	• • • • • • • • • • • • • • • • • • • •
0470					aa												
0480	aa	aa			aa												
0490	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
04a0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
04b0					aa												• • • • • • • • • • • • • • • • • • • •
04c0 04d0		aa			aa										aa		• • • • • • • • • • • • • • • • • • • •
04e0					aa aa												
04f0					aa												
0500	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
0510	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
0520					aa												• • • • • • • • • • • • • • • • • • • •
0530 0540					aa												• • • • • • • • • • • • • • • • • • • •
0540 0550		aa			aa aa											aa	
0560					aa												
0570					aa												
0580	aa	aa			aa												
0590					aa												
05a0					aa												• • • • • • • • • • • • • • • • • • • •
05b0 05c0					aa				aa	aa	aa	aa	aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •

05c0 aa aa aa aa aa aa aa aa Data: 0800d0c603007703373620aaaaaaaaaaaaaaaaaaaaaaaaa...

[Length: 1480]

```
379 54.967184
            128.59.23.100
                         192.168.1.102
                                     IPv4
                                              Fragmented IP protocol (proto=ICMP 1, off=1480,
ID=0959) [Reassembled in #380]
Frame 379: 1514 bytes on wire (12112 bits), 1514 bytes captured (12112 bits)
 Encapsulation type: Ethernet (1)
  Arrival Time: Aug 21, 2004 21:48:51.625536000 Eastern Daylight Time
  [Time shift for this packet: 0.000000000 seconds]
  Epoch Time: 1093139331.625536000 seconds
  [Time delta from previous captured frame: 0.008797000 seconds]
  [Time delta from previous displayed frame: 0.008797000 seconds]
  [Time since reference or first frame: 54.967184000 seconds]
  Frame Number: 379
  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: LinksysG_da:af:73 (00:06:25:da:af:73), Dst: PremaxPe_8a:70:1a (00:20:e0:8a:70:1a)
 Destination: PremaxPe_8a:70:1a (00:20:e0:8a:70:1a)
    Address: PremaxPe_8a:70:1a (00:20:e0:8a:70:1a)
    .....0. .... = LG bit: Globally unique address (factory default)
    .... ...0 .... = IG bit: Individual address (unicast)
  Source: LinksysG_da:af:73 (00:06:25:da:af:73)
    Address: LinksysG_da:af:73 (00:06:25:da:af:73)
    .... ..0. .... .... = LG bit: Globally unique address (factory default)
    .... ...0 .... .... = IG bit: Individual address (unicast)
 Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 128.59.23.100, Dst: 192.168.1.102
 0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
 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: 0x0959 (2393)
  Flags: 0x03 (Don't Fragment) (More Fragments)
    0... = Reserved bit: Not set
    .1.. .... = Don't fragment: Set
    ..1. .... = More fragments: Set
  Fragment offset: 1480
  Time to live: 242
 Protocol: ICMP (1)
 Header checksum: 0xff60 [validation disabled]
  [Header checksum status: Unverified]
  Source: 128.59.23.100
 Destination: 192.168.1.102
  [Source GeoIP: Unknown]
  [Destination GeoIP: Unknown]
 Reassembled IPv4 in frame: 380
Data (1480 bytes)
0140
```

01f0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
0200	aa	aa	aa	aa			aa				aa			aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0210	aa		aa	aa			aa							aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0220 0230		aa	aa	aa	aa		aa				aa		aa	aa	aa	aa	
0230 0240	aa aa	aa	aa	aa			aa							aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0250	aa	aa	aa aa	aa aa	aa aa		aa aa				aa			aa aa	aa aa	aa aa	
0260		aa	aa	aa			aa				aa				aa	aa	
0270		aa	aa	aa			aa				aa			aa	aa	aa	
0280		aa	aa	aa			aa				aa			aa	aa	aa	
0290	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
02a0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
02b0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
02c0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
02d0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
02e0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
02f0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0300	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0310	aa		aa	aa			aa							aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0320		aa	aa	aa	aa		aa				aa		aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0330	aa		aa	aa			aa							aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0340 0350		aa	aa	aa	aa		aa				aa			aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0360	aa		aa	aa			aa							aa	aa	aa	
0300 0370		aa aa	aa aa	aa aa			aa aa							aa	aa aa	aa aa	
0380		aa	aa	aa			aa				aa			aa	aa	aa	
0390		aa	aa	aa			aa							aa	aa	aa	
03a0		aa	aa	aa	aa		aa				aa		aa	aa	aa	aa	
03b0		aa		aa			aa							aa	aa	aa	
03c0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
03d0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
03e0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
03f0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
0400	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0410	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0420		aa	aa	aa	aa		aa				aa		aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0430	aa		aa	aa			aa							aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0440 0450		aa	aa	aa	aa		aa				aa			aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0450 0460		aa	aa	aa	aa		aa						aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0470		aa aa	aa aa	aa aa	aa aa		aa aa				aa aa			aa aa	aa aa	aa aa	
0480		aa	aa	aa	aa		aa				aa		aa	aa	aa	aa	
0490		aa	aa	aa			aa							aa	aa	aa	
04a0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
04b0		aa			aa											aa	
04c0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
04d0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
04e0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
04f0	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
0500	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
0510	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	
0520	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0530	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	aa	• • • • • • • • • • • • • • • • • • • •
0540					aa												• • • • • • • • • • • • • • • • • • • •
0550					aa												• • • • • • • • • • • • • • • • • • • •
0560 0570					aa												• • • • • • • • • • • • • • • • • • • •
0570 0580					aa												• • • • • • • • • • • • • • • • • • • •
0580 0590					aa aa												
05a0					aa												
0540 05h0													22				• • • • • • • • • • • • • • • • • • • •

05c0 aa aa aa aa aa aa aa aa aa
Data: aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa...

[Length: 1480]