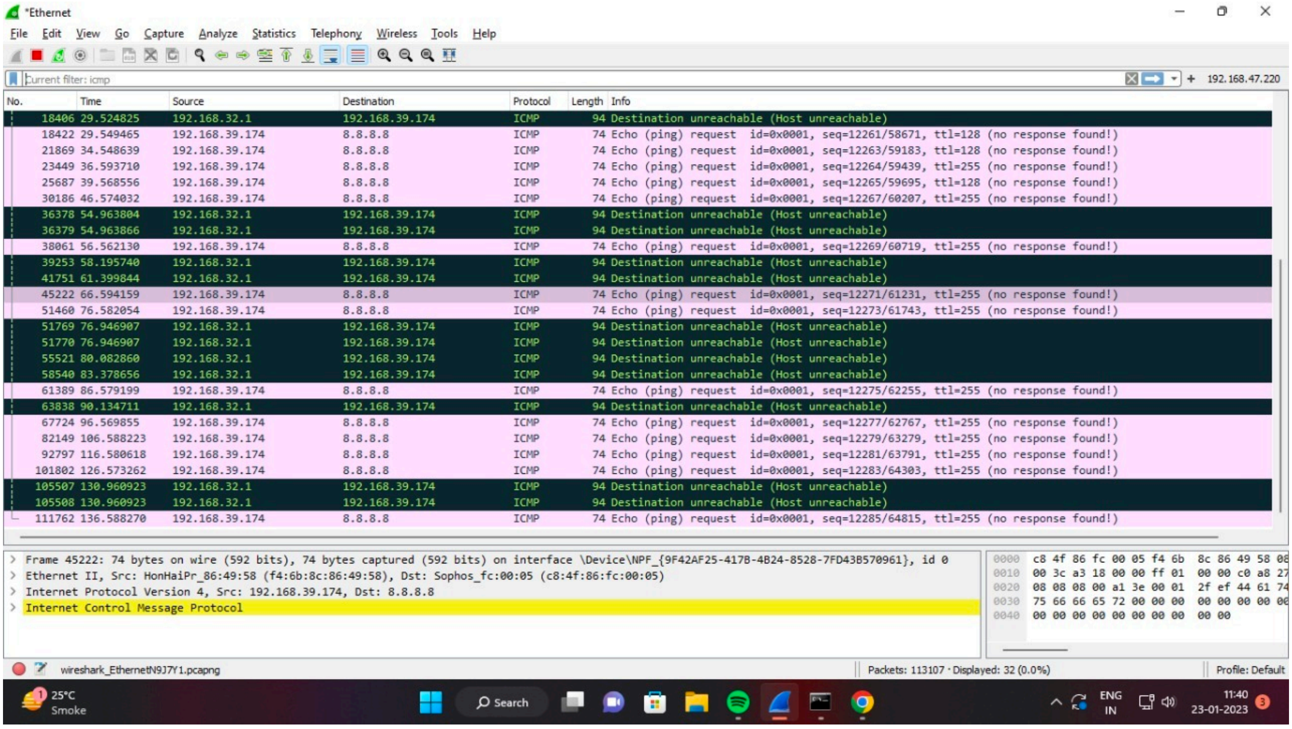
Output:

ICMP: ping into adjacent peer system using IP Address


*Ethernet
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
192.168.47.220

Current filter: icmp

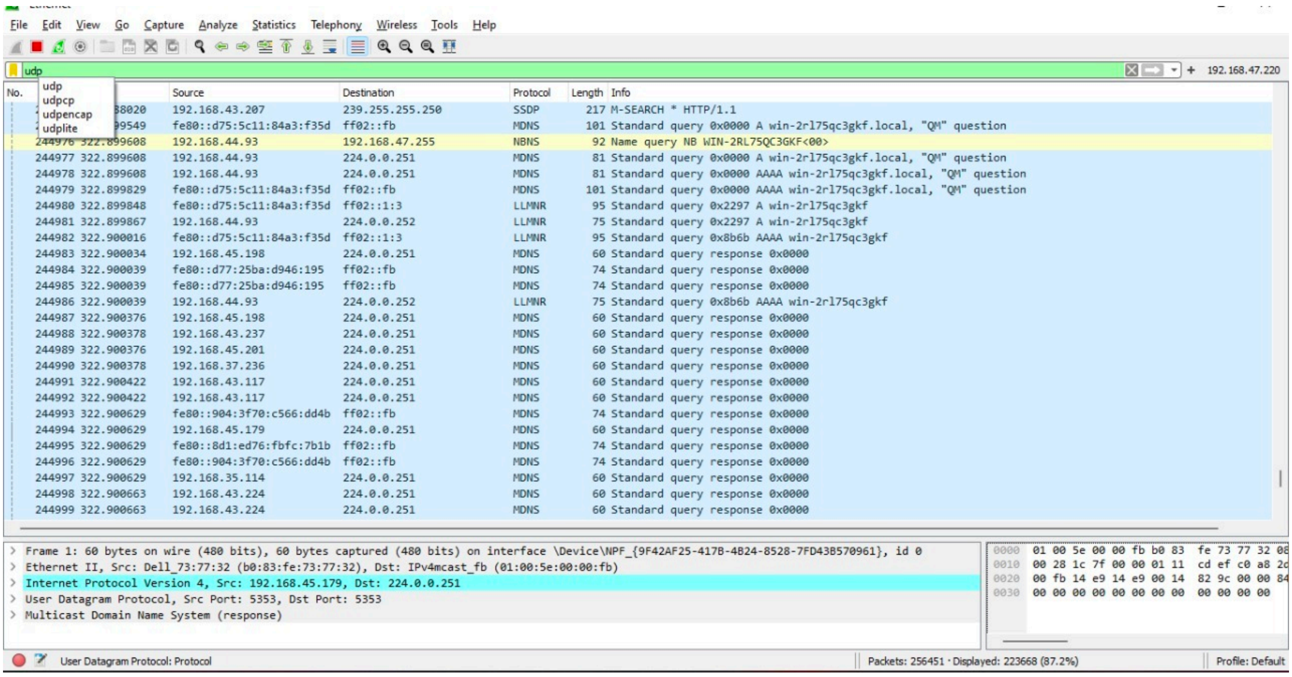
```
No.     Time        Source          Destination     Protocol Length Info
  18406 29.524825   192.168.32.1    192.168.39.174  ICMP       94 Destination unreachable (Host unreachable)
  18422 29.549465   192.168.39.174  8.8.8.8         ICMP       74 Echo (ping) request  id=0x0001, seq=12261/58671, ttl=128 (no response found!)
  21869 34.548639   192.168.39.174  8.8.8.8         ICMP       74 Echo (ping) request  id=0x0001, seq=12263/59183, ttl=128 (no response found!)
  23449 36.593710   192.168.39.174  8.8.8.8         ICMP       74 Echo (ping) request  id=0x0001, seq=12264/59439, ttl=255 (no response found!)
  25687 39.568556   192.168.39.174  8.8.8.8         ICMP       74 Echo (ping) request  id=0x0001, seq=12265/59695, ttl=128 (no response found!)
  30186 46.574032   192.168.39.174  8.8.8.8         ICMP       74 Echo (ping) request  id=0x0001, seq=12267/60207, ttl=255 (no response found!)
  36378 54.963804   192.168.32.1    192.168.39.174  ICMP       94 Destination unreachable (Host unreachable)
  36379 54.963866   192.168.32.1    192.168.39.174  ICMP       94 Destination unreachable (Host unreachable)
  38061 56.562130   192.168.39.174  8.8.8.8         ICMP       74 Echo (ping) request  id=0x0001, seq=12269/60719, ttl=255 (no response found!)
  39253 58.195740   192.168.32.1    192.168.39.174  ICMP       94 Destination unreachable (Host unreachable)
  41751 61.399844   192.168.32.1    192.168.39.174  ICMP       94 Destination unreachable (Host unreachable)
  45222 66.594159   192.168.39.174  8.8.8.8         ICMP       74 Echo (ping) request  id=0x0001, seq=12271/61231, ttl=255 (no response found!)
  51460 76.582054   192.168.39.174  8.8.8.8         ICMP       74 Echo (ping) request  id=0x0001, seq=12273/61743, ttl=255 (no response found!)
  51769 76.946907   192.168.32.1    192.168.39.174  ICMP       94 Destination unreachable (Host unreachable)
  51770 76.946907   192.168.32.1    192.168.39.174  ICMP       94 Destination unreachable (Host unreachable)
  55521 80.082860   192.168.32.1    192.168.39.174  ICMP       94 Destination unreachable (Host unreachable)
  58540 83.378656   192.168.32.1    192.168.39.174  ICMP       94 Destination unreachable (Host unreachable)
  61389 86.579199   192.168.39.174  8.8.8.8         ICMP       74 Echo (ping) request  id=0x0001, seq=12275/62255, ttl=255 (no response found!)
  63838 90.134711   192.168.32.1    192.168.39.174  ICMP       94 Destination unreachable (Host unreachable)
  67724 96.569855   192.168.39.174  8.8.8.8         ICMP       74 Echo (ping) request  id=0x0001, seq=12277/62767, ttl=255 (no response found!)
  82149 106.588223  192.168.39.174  8.8.8.8         ICMP       74 Echo (ping) request  id=0x0001, seq=12279/63279, ttl=255 (no response found!)
  92797 116.580618  192.168.39.174  8.8.8.8         ICMP       74 Echo (ping) request  id=0x0001, seq=12281/63791, ttl=255 (no response found!)
 101802 126.573262  192.168.39.174  8.8.8.8         ICMP       74 Echo (ping) request  id=0x0001, seq=12283/64303, ttl=255 (no response found!)
 105507 130.960923  192.168.32.1    192.168.39.174  ICMP       94 Destination unreachable (Host unreachable)
 105508 130.960923  192.168.32.1    192.168.39.174  ICMP       94 Destination unreachable (Host unreachable)
 111762 136.588270  192.168.39.174  8.8.8.8         ICMP       74 Echo (ping) request  id=0x0001, seq=12285/64815, ttl=255 (no response found!)
```

```
> Frame 45222: 74 bytes on wire (592 bits), 74 bytes captured (592 bits) on interface \Device\NPF_{9F42AF25-417B-4B24-8528-7FD43B570961}, id 0
> Ethernet II, Src: HonHaiPr_86:49:58 (f4:6b:8c:86:49:58), Dst: Sophos_fc:00:05 (c8:4f:86:fc:00:05)
> Internet Protocol Version 4, Src: 192.168.39.174, Dst: 8.8.8.8
> Internet Control Message Protocol
```

```
0000  c8 4f 86 fc 00 05 f4 6b  8c 86 49 58 08
0010  00 3c a3 18 00 00 ff 01  00 00 c0 a8 27
0020  08 08 08 00 a1 3e 00 01  2f ef 44 61 74
0030  75 66 66 65 72 00 00 00  00 00 00 00 00
0040  00 00 00 00 00 00 00 00  00 00
```

wireshark_EthernetN9J7Y1.pcapng | Packets: 113107 · Displayed: 32 (0.0%) | Profile: Default

UDP- user datagram protocol


File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
udp
udpcp
udpencap
udplite
192.168.47.220

udp

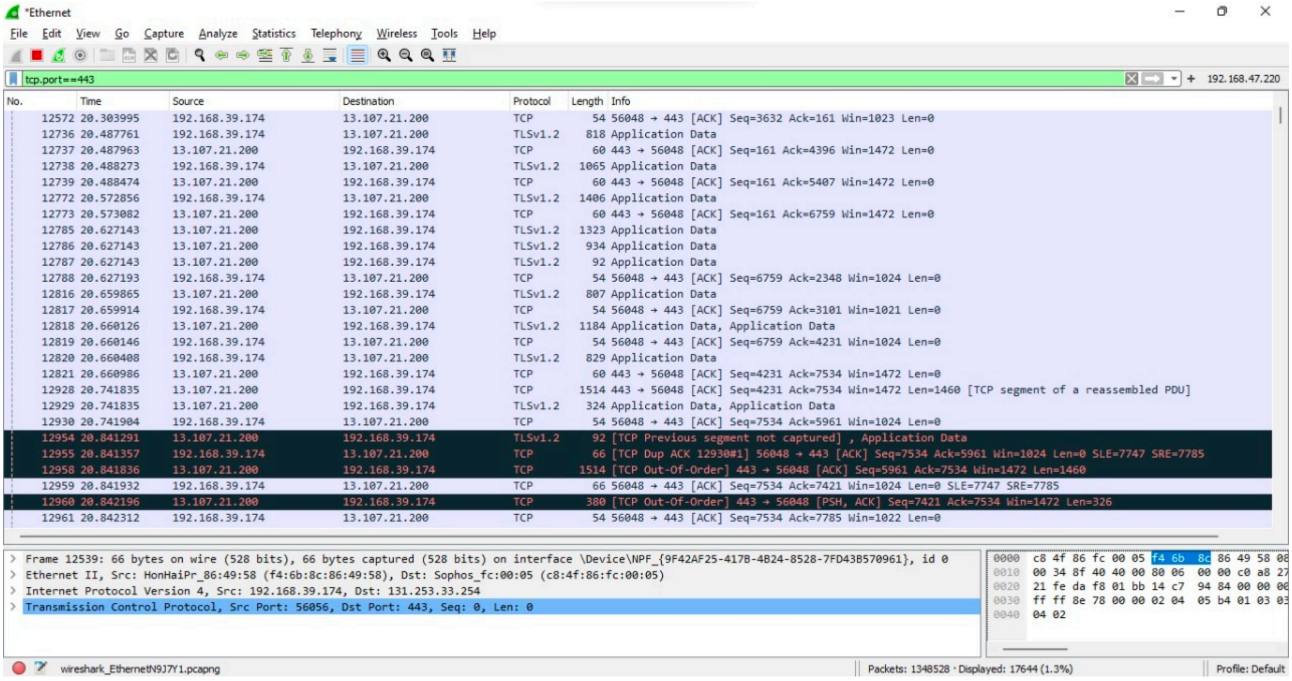
```
No.     Time        Source                     Destination      Protocol Length Info
             38020  192.168.43.207             239.255.255.250  SSDP      217 M-SEARCH * HTTP/1.1
             99549  fe80::d75:5c11:84a3:f35d   ff02::fb         MDNS      101 Standard query 0x0000 A win-2rl75qc3gkf.local, "QM" question
 244976 322.899608  192.168.44.93              192.168.47.255   NBNS       92 Name query NB WIN-2RL75QC3GKF<00>
 244977 322.899608  192.168.44.93              224.0.0.251      MDNS       81 Standard query 0x0000 A win-2rl75qc3gkf.local, "QM" question
 244978 322.899608  192.168.44.93              224.0.0.251      MDNS       81 Standard query 0x0000 AAAA win-2rl75qc3gkf.local, "QM" question
 244979 322.899829  fe80::d75:5c11:84a3:f35d   ff02::fb         MDNS      101 Standard query 0x0000 AAAA win-2rl75qc3gkf.local, "QM" question
 244980 322.899848  fe80::d75:5c11:84a3:f35d   ff02::1:3        LLMNR      95 Standard query 0x2297 A win-2rl75qc3gkf
 244981 322.899867  192.168.44.93              224.0.0.252      LLMNR      75 Standard query 0x2297 A win-2rl75qc3gkf
 244982 322.900016  fe80::d75:5c11:84a3:f35d   ff02::1:3        LLMNR      95 Standard query 0x8b6b AAAA win-2rl75qc3gkf
 244983 322.900034  192.168.45.198             224.0.0.251      MDNS       60 Standard query response 0x0000
 244984 322.900039  fe80::d77:25ba:d946:195    ff02::fb         MDNS       74 Standard query response 0x0000
 244985 322.900039  fe80::d77:25ba:d946:195    ff02::fb         MDNS       74 Standard query response 0x0000
 244986 322.900039  192.168.44.93              224.0.0.252      LLMNR      75 Standard query 0x8b6b AAAA win-2rl75qc3gkf
 244987 322.900376  192.168.45.198             224.0.0.251      MDNS       60 Standard query response 0x0000
 244988 322.900378  192.168.43.237             224.0.0.251      MDNS       60 Standard query response 0x0000
 244989 322.900376  192.168.45.201             224.0.0.251      MDNS       60 Standard query response 0x0000
 244990 322.900378  192.168.37.236             224.0.0.251      MDNS       60 Standard query response 0x0000
 244991 322.900422  192.168.43.117             224.0.0.251      MDNS       60 Standard query response 0x0000
 244992 322.900422  192.168.43.117             224.0.0.251      MDNS       60 Standard query response 0x0000
 244993 322.900629  fe80::904:3f70:c566:dd4b   ff02::fb         MDNS       74 Standard query response 0x0000
 244994 322.900629  192.168.45.179             224.0.0.251      MDNS       60 Standard query response 0x0000
 244995 322.900629  fe80::8d1:ed76:fbfc:7b1b   ff02::fb         MDNS       74 Standard query response 0x0000
 244996 322.900629  fe80::904:3f70:c566:dd4b   ff02::fb         MDNS       74 Standard query response 0x0000
 244997 322.900629  192.168.35.114             224.0.0.251      MDNS       60 Standard query response 0x0000
 244998 322.900663  192.168.43.224             224.0.0.251      MDNS       60 Standard query response 0x0000
 244999 322.900663  192.168.43.224             224.0.0.251      MDNS       60 Standard query response 0x0000
```

```
> Frame 1: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{9F42AF25-417B-4B24-8528-7FD43B570961}, id 0
> Ethernet II, Src: Dell_73:77:32 (b0:83:fe:73:77:32), Dst: IPv4mcast_fb (01:00:5e:00:00:fb)
> Internet Protocol Version 4, Src: 192.168.45.179, Dst: 224.0.0.251
> User Datagram Protocol, Src Port: 5353, Dst Port: 5353
> Multicast Domain Name System (response)
```

```
0000  01 00 5e 00 00 fb b0 83  fe 73 77 32 08
0010  00 28 1c 7f 00 00 01 11  cd ef c0 a8 2d
0020  00 fb 14 e9 14 e9 00 14  82 9c 00 00 84
0030  00 00 00 00 00 00 00 00  00 00 00 00
```

User Datagram Protocol: Protocol | Packets: 256451 · Displayed: 223668 (87.2%) | Profile: Default

TCP - Transfer control protocol


*Ethernet
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
192.168.47.220

```
tcp.port==443
```

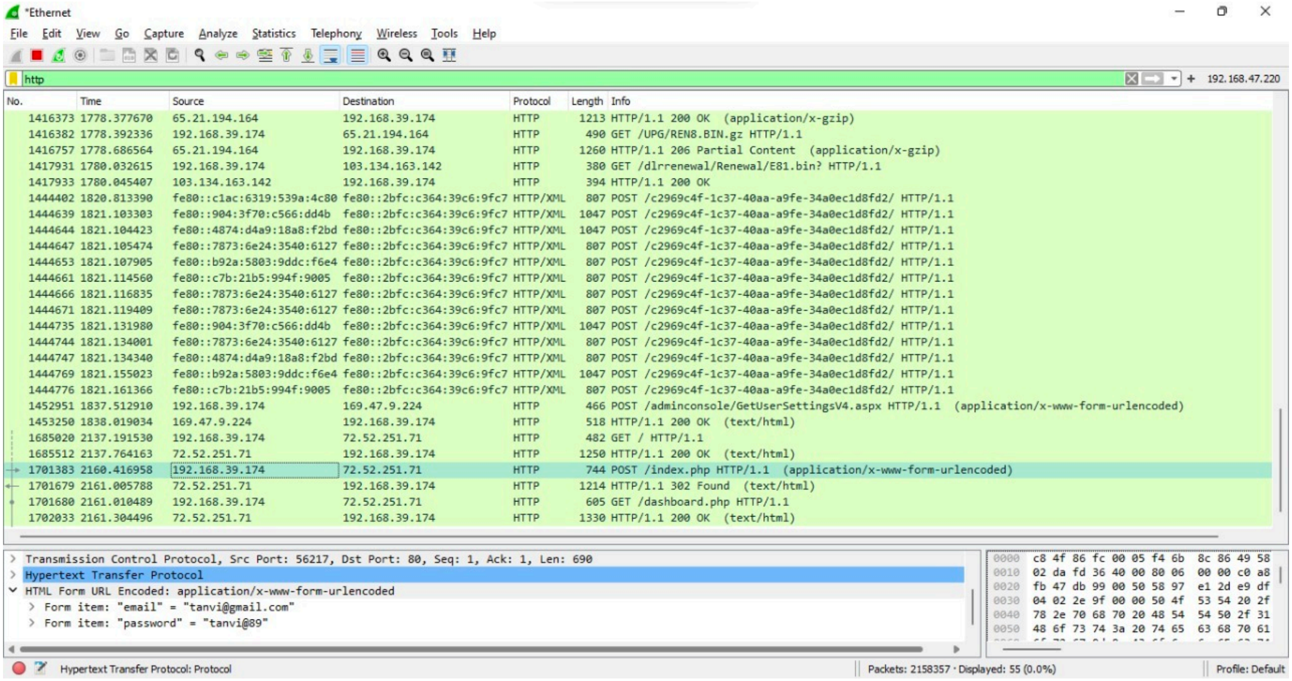
```
No.   Time      Source          Destination     Protocol Length Info
 12572 20.303995 192.168.39.174 13.107.21.200   TCP        54 56048 → 443 [ACK] Seq=3632 Ack=161 Win=1023 Len=0
 12736 20.487761 192.168.39.174 13.107.21.200   TLSv1.2   818 Application Data
 12737 20.487963 13.107.21.200  192.168.39.174  TCP        60 443 → 56048 [ACK] Seq=161 Ack=4396 Win=1472 Len=0
 12738 20.488273 192.168.39.174 13.107.21.200   TLSv1.2  1065 Application Data
 12739 20.488474 13.107.21.200  192.168.39.174  TCP        60 443 → 56048 [ACK] Seq=161 Ack=5407 Win=1472 Len=0
 12772 20.572856 192.168.39.174 13.107.21.200   TLSv1.2  1406 Application Data
 12773 20.573082 13.107.21.200  192.168.39.174  TCP        60 443 → 56048 [ACK] Seq=161 Ack=6759 Win=1472 Len=0
 12785 20.627143 13.107.21.200  192.168.39.174  TLSv1.2  1323 Application Data
 12786 20.627143 13.107.21.200  192.168.39.174  TLSv1.2   934 Application Data
 12787 20.627143 13.107.21.200  192.168.39.174  TLSv1.2    92 Application Data
 12788 20.627193 192.168.39.174 13.107.21.200   TCP        54 56048 → 443 [ACK] Seq=6759 Ack=2348 Win=1024 Len=0
 12816 20.659865 13.107.21.200  192.168.39.174  TLSv1.2   807 Application Data
 12817 20.659914 192.168.39.174 13.107.21.200   TCP        54 56048 → 443 [ACK] Seq=6759 Ack=3101 Win=1021 Len=0
 12818 20.660126 13.107.21.200  192.168.39.174  TLSv1.2  1184 Application Data, Application Data
 12819 20.660146 192.168.39.174 13.107.21.200   TCP        54 56048 → 443 [ACK] Seq=6759 Ack=4231 Win=1024 Len=0
 12820 20.660408 192.168.39.174 13.107.21.200   TLSv1.2   829 Application Data
 12821 20.660986 13.107.21.200  192.168.39.174  TCP        60 443 → 56048 [ACK] Seq=4231 Ack=7534 Win=1472 Len=0
 12928 20.741835 13.107.21.200  192.168.39.174  TCP      1514 443 → 56048 [ACK] Seq=4231 Ack=7534 Win=1472 Len=1460 [TCP segment of a reassembled PDU]
 12929 20.741835 13.107.21.200  192.168.39.174  TLSv1.2   324 Application Data, Application Data
 12930 20.741904 192.168.39.174 13.107.21.200   TCP        54 56048 → 443 [ACK] Seq=7534 Ack=5961 Win=1024 Len=0
 12954 20.841291 13.107.21.200  192.168.39.174  TLSv1.2    92 [TCP Previous segment not captured] , Application Data
 12955 20.841357 192.168.39.174 13.107.21.200   TCP        66 [TCP Dup ACK 12930#1] 56048 → 443 [ACK] Seq=7534 Ack=5961 Win=1024 Len=0 SLE=7747 SRE=7785
 12958 20.841836 13.107.21.200  192.168.39.174  TCP      1514 [TCP Out-Of-Order] 443 → 56048 [ACK] Seq=5961 Ack=7534 Win=1472 Len=1460
 12959 20.841932 192.168.39.174 13.107.21.200   TCP        66 56048 → 443 [ACK] Seq=7534 Ack=7421 Win=1024 Len=0 SLE=7747 SRE=7785
 12960 20.842196 13.107.21.200  192.168.39.174  TCP       380 [TCP Out-Of-Order] 443 → 56048 [PSH, ACK] Seq=7421 Ack=7534 Win=1472 Len=326
 12961 20.842312 192.168.39.174 13.107.21.200   TCP        54 56048 → 443 [ACK] Seq=7534 Ack=7785 Win=1022 Len=0
```

```
> Frame 12539: 66 bytes on wire (528 bits), 66 bytes captured (528 bits) on interface \Device\NPF_{9F42AF25-417B-4B24-8528-7FD43B570961}, id 0
> Ethernet II, Src: HonHaiPr_86:49:58 (f4:6b:8c:86:49:58), Dst: Sophos_fc:00:05 (c8:4f:86:fc:00:05)
> Internet Protocol Version 4, Src: 192.168.39.174, Dst: 131.253.33.254
> Transmission Control Protocol, Src Port: 56056, Dst Port: 443, Seq: 0, Len: 0
```

```
0000  c8 4f 86 fc 00 05 f4 6b  8c 86 49 58 08
0010  00 34 8f 40 40 00 80 06  00 00 c0 a8 27
0020  21 fe da f8 01 bb 14 c7  94 84 00 00 00
0030  ff ff 8e 78 00 00 02 04  05 b4 01 03 03
0040  04 02
```

```
wireshark_EthernetN9J7Y1.pcapng    Packets: 1348528 · Displayed: 17644 (1.3%)    Profile: Default
```

HTTP : tracing the packet of login page and seeing the email and password.


*Ethernet
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
192.168.47.220

```
http
```

```
No.     Time        Source                     Destination                Protocol Length Info
1416373 1778.377670 65.21.194.164              192.168.39.174             HTTP     1213 HTTP/1.1 200 OK  (application/x-gzip)
1416382 1778.392336 192.168.39.174             65.21.194.164              HTTP      490 GET /UPG/REN8.BIN.gz HTTP/1.1
1416757 1778.686564 65.21.194.164              192.168.39.174             HTTP     1260 HTTP/1.1 206 Partial Content  (application/x-gzip)
1417931 1780.032615 192.168.39.174             103.134.163.142            HTTP      380 GET /dlrrenewal/Renewal/E81.bin? HTTP/1.1
1417933 1780.045407 103.134.163.142            192.168.39.174             HTTP      394 HTTP/1.1 200 OK
1444402 1820.813390 fe80::c1ac:6319:539a:4c80 fe80::2bfc:c364:39c6:9fc7 HTTP/XML  807 POST /c2969c4f-1c37-40aa-a9fe-34a0ec1d8fd2/ HTTP/1.1
1444639 1821.103303 fe80::904:3f70:c566:dd4b  fe80::2bfc:c364:39c6:9fc7 HTTP/XML 1047 POST /c2969c4f-1c37-40aa-a9fe-34a0ec1d8fd2/ HTTP/1.1
1444644 1821.104423 fe80::4874:d4a9:18a8:f2bd fe80::2bfc:c364:39c6:9fc7 HTTP/XML 1047 POST /c2969c4f-1c37-40aa-a9fe-34a0ec1d8fd2/ HTTP/1.1
1444647 1821.105474 fe80::7873:6e24:3540:6127 fe80::2bfc:c364:39c6:9fc7 HTTP/XML  807 POST /c2969c4f-1c37-40aa-a9fe-34a0ec1d8fd2/ HTTP/1.1
1444653 1821.107905 fe80::b92a:5803:9ddc:f6e4 fe80::2bfc:c364:39c6:9fc7 HTTP/XML  807 POST /c2969c4f-1c37-40aa-a9fe-34a0ec1d8fd2/ HTTP/1.1
1444661 1821.114560 fe80::c7b:21b5:994f:9005  fe80::2bfc:c364:39c6:9fc7 HTTP/XML  807 POST /c2969c4f-1c37-40aa-a9fe-34a0ec1d8fd2/ HTTP/1.1
1444666 1821.116835 fe80::7873:6e24:3540:6127 fe80::2bfc:c364:39c6:9fc7 HTTP/XML  807 POST /c2969c4f-1c37-40aa-a9fe-34a0ec1d8fd2/ HTTP/1.1
1444671 1821.119409 fe80::7873:6e24:3540:6127 fe80::2bfc:c364:39c6:9fc7 HTTP/XML  807 POST /c2969c4f-1c37-40aa-a9fe-34a0ec1d8fd2/ HTTP/1.1
1444735 1821.131980 fe80::904:3f70:c566:dd4b  fe80::2bfc:c364:39c6:9fc7 HTTP/XML 1047 POST /c2969c4f-1c37-40aa-a9fe-34a0ec1d8fd2/ HTTP/1.1
1444744 1821.134001 fe80::7873:6e24:3540:6127 fe80::2bfc:c364:39c6:9fc7 HTTP/XML  807 POST /c2969c4f-1c37-40aa-a9fe-34a0ec1d8fd2/ HTTP/1.1
1444747 1821.134340 fe80::4874:d4a9:18a8:f2bd fe80::2bfc:c364:39c6:9fc7 HTTP/XML  807 POST /c2969c4f-1c37-40aa-a9fe-34a0ec1d8fd2/ HTTP/1.1
1444769 1821.155023 fe80::b92a:5803:9ddc:f6e4 fe80::2bfc:c364:39c6:9fc7 HTTP/XML 1047 POST /c2969c4f-1c37-40aa-a9fe-34a0ec1d8fd2/ HTTP/1.1
1444776 1821.161366 fe80::c7b:21b5:994f:9005  fe80::2bfc:c364:39c6:9fc7 HTTP/XML  807 POST /c2969c4f-1c37-40aa-a9fe-34a0ec1d8fd2/ HTTP/1.1
1452951 1837.512910 192.168.39.174             169.47.9.224               HTTP      466 POST /adminconsole/GetUserSettingsV4.aspx HTTP/1.1  (application/x-www-form-urlencoded)
1453250 1838.019034 169.47.9.224               192.168.39.174             HTTP      518 HTTP/1.1 200 OK  (text/html)
1685020 2137.191530 192.168.39.174             72.52.251.71               HTTP      482 GET / HTTP/1.1
1685512 2137.764163 72.52.251.71               192.168.39.174             HTTP     1250 HTTP/1.1 200 OK  (text/html)
1701383 2160.416958 192.168.39.174             72.52.251.71               HTTP      744 POST /index.php HTTP/1.1  (application/x-www-form-urlencoded)
1701679 2161.005788 72.52.251.71               192.168.39.174             HTTP     1214 HTTP/1.1 302 Found  (text/html)
1701680 2161.010489 192.168.39.174             72.52.251.71               HTTP      605 GET /dashboard.php HTTP/1.1
1702033 2161.304496 72.52.251.71               192.168.39.174             HTTP     1330 HTTP/1.1 200 OK  (text/html)
```

```
> Transmission Control Protocol, Src Port: 56217, Dst Port: 80, Seq: 1, Ack: 1, Len: 690
> Hypertext Transfer Protocol
v HTML Form URL Encoded: application/x-www-form-urlencoded
  > Form item: "email" = "tanvi@gmail.com"
  > Form item: "password" = "tanvi@89"
```

```
0000  c8 4f 86 fc 00 05 f4 6b  8c 86 49 58
0010  02 da fd 36 40 00 80 06  00 00 c0 a8
0020  fb 47 db 99 00 50 58 97  e1 2d e9 df
0030  04 02 2e 9f 00 00 50 4f  53 54 20 2f
0040  78 2e 70 68 70 20 48 54  54 50 2f 31
0050  48 6f 73 74 3a 20 74 65  63 68 70 61
```

```
Hypertext Transfer Protocol: Protocol    Packets: 2158357 · Displayed: 55 (0.0%)    Profile: Default
```