

10 0.186080 192.168.29.215 128.119.245.12 TCP 698 50797 → 80 [PSH, ACK] Seq=3895223545 Ack=1008537719  
Win=65536 Len=644  
Frame 10: 698 bytes on wire (5584 bits), 698 bytes captured (5584 bits) on interface 0  
Interface id: 0 (\Device\NPF\_{4B5984CE-D56B-450D-A9F6-EA2E28136BCC})  
Encapsulation type: Ethernet (1)  
Arrival Time: May 7, 2016 15:15:05.924882000 Pacific Daylight Time  
[Time shift for this packet: 0.000000000 seconds]  
Epoch Time: 1462659305.924882000 seconds  
[Time delta from previous captured frame: 0.000544000 seconds]  
[Time delta from previous displayed frame: 0.000544000 seconds]  
[Time since reference or first frame: 0.186080000 seconds]  
Frame Number: 10  
Frame Length: 698 bytes (5584 bits)  
Capture Length: 698 bytes (5584 bits)  
[Frame is marked: False]  
[Frame is ignored: False]  
[Protocols in frame: eth:ethertype:ip:tcp:data]  
[Coloring Rule Name: HTTP]  
[Coloring Rule String: http || tcp.port == 80 || http2]  
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)  
.... ...0 .... = 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: 684  
Identification: 0x4cec (19692)  
Flags: 0x02 (Don't Fragment)  
0... .... = Reserved bit: Not set  
.1.. .... = Don't fragment: Set  
..0. .... = More fragments: Not set  
Fragment offset: 0  
Time to live: 128  
Protocol: TCP (6)  
Header checksum: 0x575c [validation disabled]  
[Good: False]  
[Bad: False]  
Source: 192.168.29.215  
Destination: 128.119.245.12  
[Source GeoIP: Unknown]  
[Destination GeoIP: Unknown]  
Transmission Control Protocol, Src Port: 50797 (50797), Dst Port: 80 (80), Seq: 3895223545, Ack: 1008537719, Len: 644  
Source Port: 50797  
Destination Port: 80  
[Stream index: 0]  
[TCP Segment Len: 644]  
Sequence number: 3895223545  
[Next sequence number: 3895224189]  
Acknowledgment number: 1008537719  
Header Length: 20 bytes  
Flags: 0x018 (PSH, ACK)  
000. .... = Reserved: Not set  
...0 .... = Nonce: Not set  
.... 0... = Congestion Window Reduced (CWR): Not set  
.... .0.. = ECN-Echo: Not set  
.... ..0. = Urgent: Not set  
.... ...1 .... = Acknowledgment: Set  
.... .... 1... = Push: Set  
.... .... .0.. = Reset: Not set  
.... .... ..0. = Syn: Not set  
.... .... ...0 = Fin: Not set  
[TCP Flags: \*\*\*\*\*AP\*\*\*]  
Window size value: 256  
[Calculated window size: 65536]  
[Window size scaling factor: 256]  
Checksum: 0x4db0 [validation disabled]  
[Good Checksum: False]  
[Bad Checksum: False]  
Urgent pointer: 0  
[SEQ/ACK analysis]  
[iRTT: 0.090249000 seconds]  
[Bytes in flight: 644]  
Data (644 bytes)  
0000 50 4f 53 54 20 2f 77 69 72 65 73 68 61 72 6b 2d POST /wireshark-

0010 6c 61 62 73 2f 6c 61 62 33 2d 31 2d 72 65 70 6c labs/lab3-1-repl  
0020 79 2e 68 74 6d 20 48 54 54 50 2f 31 2e 31 0d 0a y.htm HTTP/1.1..  
0030 48 6f 73 74 3a 20 67 61 69 61 2e 63 73 2e 75 6d Host: gaia.cs.um  
0040 61 73 73 2e 65 64 75 0d 0a 43 6f 6e 6e 65 63 74 ass.edu..Connect  
0050 69 6f 6e 3a 20 6b 65 65 70 2d 61 6c 69 76 65 0d ion: keep-alive.  
0060 0a 43 6f 6e 74 65 6e 74 2d 4c 65 6e 67 74 68 3a .Content-Length:  
0070 20 31 35 32 33 32 31 0d 0a 43 61 63 68 65 2d 43 152321..Cache-C  
0080 6f 6e 74 72 6f 6c 3a 20 6d 61 78 2d 61 67 65 3d ontrol: max-age=  
0090 30 0d 0a 41 63 63 65 70 74 3a 20 74 65 78 74 2f 0..Accept: text/  
00a0 68 74 6d 6c 2c 61 70 70 6c 69 63 61 74 69 6f 6e html,application  
00b0 2f 78 68 74 6d 6c 2b 78 6d 6c 2c 61 70 70 6c 69 /xhtml+xml,appli  
00c0 63 61 74 69 6f 6e 2f 78 6d 6c 3b 71 3d 30 2e 39 cation/xml;q=0.9  
00d0 2c 69 6d 61 67 65 2f 77 65 62 70 2c 2a 2f 2a 3b ,image/webp,\*/\*;  
00e0 71 3d 30 2e 38 0d 0a 4f 72 69 67 69 6e 3a 20 68 q=0.8..Origin: h  
00f0 74 74 70 3a 2f 2f 67 61 69 61 2e 63 73 2e 75 6d ttp://gaia.cs.um  
0100 61 73 73 2e 65 64 75 0d 0a 55 70 67 72 61 64 65 ass.edu..Upgrade  
0110 2d 49 6e 73 65 63 29 20 74 3a 20 74 65 71 75 65 73 -Insecure-Reqes  
0120 74 73 3a 20 31 0d 0a 55 73 65 72 2d 41 67 65 6e ts: 1..User-Agen  
0130 74 3a 20 4d 6f 7a 69 6c 6c 61 2f 35 2e 30 20 28 t: Mozilla/5.0 (  
0140 57 69 6e 64 6f 77 73 20 4e 54 20 31 30 2e 30 3b Windows NT 10.0;  
0150 20 57 4f 57 36 34 29 20 41 70 70 6c 65 57 65 62 WOW64) AppleWeb  
0160 4b 69 74 2f 35 33 37 2e 33 36 20 28 4b 48 54 4d Kit/537.36 (KHTML  
0170 4c 2c 20 6c 69 6b 65 20 47 65 63 6b 6f 29 20 43 L, like Gecko) C  
0180 68 72 6f 6d 65 2f 35 30 2e 30 2e 32 36 36 31 2e hrome/50.0.2661.  
0190 39 34 20 53 61 66 61 72 69 2f 35 33 37 2e 33 36 94 Safari/537.36  
01a0 0d 0a 43 6f 6e 74 65 6e 74 2d 54 79 70 65 3a 20 ..Content-Type:  
01b0 6d 75 6c 74 69 70 61 72 74 2f 66 6f 72 6d 2d 64 multipart/form-d  
01c0 61 74 61 3b 20 62 6f 75 6e 64 61 72 79 3d 2d 2d ata; boundary=--  
01d0 2d 2d 57 65 62 4b 69 74 46 6f 72 6d 42 6f 75 6e --WebKitFormBoun  
01e0 64 61 72 79 70 4e 36 68 53 4a 62 50 6d 45 58 52 darypN6hSJbPmEXR  
01f0 61 68 35 39 0d 0a 52 65 66 65 72 65 72 3a 20 68 ah59..Referer: h  
0200 74 74 70 3a 2f 2f 67 61 69 61 2e 63 73 2e 75 6d ttp://gaia.cs.um  
0210 61 73 73 2e 65 64 75 2f 77 69 72 65 73 68 61 72 ass.edu/wireshar  
0220 6b 2d 6c 61 62 73 2f 54 43 50 2d 77 69 72 65 73 k-labs/TCP-wires  
0230 68 61 72 6b 2d 66 69 6c 65 31 2e 68 74 6d 6c 0d hark-file1.html.  
0240 0a 41 63 63 65 70 74 2d 45 6e 63 6f 64 69 6e 67 .Accept-Encoding  
0250 3a 20 67 7a 69 70 2c 20 64 65 66 6c 61 74 65 0d : gzip, deflate.  
0260 0a 41 63 63 65 70 74 2d 4c 61 6e 67 75 61 67 65 .Accept-Language  
0270 3a 20 65 6e 2d 55 53 2c 65 6e 3b 71 3d 30 2e 38 : en-US,en;q=0.8  
0280 0d 0a 0d 0a ....

Data: 504f5354202f77697265736861726b2d6c6162732f6c6162...  
[Length: 644]