

1. Working Alone
- 2a. UDP, TCP, HTTP
- 2b. No "HTTP OK" but from HTTP GET to ACK is .052435 seconds.
- 2c. <http://gaia.cs.umass.edu> = 128.119.245.12
- My PC = 153.90.88.165
- 2d.

No.	Time	Source	Destination	Protocol	Length	Info
20	1.377263	153.90.88.165	128.119.245.12	HTTP	642	GET /wireshark-labs/INTRO-wireshark-file1.html

HTTP/1.1
 Frame 20: 642 bytes on wire (5136 bits), 642 bytes captured (5136 bits) on interface 0
 Ethernet II, Src: Dell_ca:8f:c8 (18:03:73:ca:8f:c8), Dst: Cisco_9f:f0:58 (00:00:0c:9f:f0:58)
 Internet Protocol Version 4, Src: 153.90.88.165, Dst: 128.119.245.12
 Transmission Control Protocol, Src Port: 49929, Dst Port: 80, Seq: 1, Ack: 1, Len: 588
 Source Port: 49929
 Destination Port: 80
 [Stream index: 0]
 [TCP Segment Len: 588]
 Sequence number: 1 (relative sequence number)
 [Next sequence number: 589 (relative sequence number)]
 Acknowledgment number: 1 (relative ack number)
 0101 = Header Length: 20 bytes (5)
 Flags: 0x018 (PSH, ACK)
 Window size value: 512
 [Calculated window size: 131072]
 [Window size scaling factor: 256]
 Checksum: 0x69ea [unverified]
 [Checksum Status: Unverified]
 Urgent pointer: 0
 [SEQ/ACK analysis]
 [Timestamps]
 TCP payload (588 bytes)
 Hypertext Transfer Protocol
 GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1\r\n
 Host: gaia.cs.umass.edu\r\n
 Connection: keep-alive\r\n
 Cache-Control: max-age=0\r\n
 Upgrade-Insecure-Requests: 1\r\n
 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/76.0.3809.132 Safari/537.36\r\n
 DNT: 1\r\n
 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3\r\n
 Accept-Encoding: gzip, deflate\r\n
 Accept-Language: en-US,en;q=0.9,la;q=0.8\r\n
 If-None-Match: "51-592a54cf3424e"\r\n
 If-Modified-Since: Mon, 16 Sep 2019 05:59:01 GMT\r\n
 \r\n
 [Full request URI: http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html]
 [HTTP request 1/2]
 [Response in frame: 22]
 [Next request in frame: 57]

No.	Time	Source	Destination	Protocol	Length	Info
21	1.429698	128.119.245.12	153.90.88.165	TCP	60	80 → 49929 [ACK] Seq=1 Ack=589 Win=30464 Len=0

Frame 21: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface 0
 Ethernet II, Src: Cisco_98:e4:00 (00:1d:71:98:e4:00), Dst: Dell_ca:8f:c8 (18:03:73:ca:8f:c8)
 Internet Protocol Version 4, Src: 128.119.245.12, Dst: 153.90.88.165
 Transmission Control Protocol, Src Port: 80, Dst Port: 49929, Seq: 1, Ack: 589, Len: 0
 Source Port: 80
 Destination Port: 49929
 [Stream index: 0]
 [TCP Segment Len: 0]
 Sequence number: 1 (relative sequence number)
 [Next sequence number: 1 (relative sequence number)]
 Acknowledgment number: 589 (relative ack number)
 0101 = Header Length: 20 bytes (5)
 Flags: 0x010 (ACK)
 Window size value: 238
 [Calculated window size: 30464]
 [Window size scaling factor: 128]
 Checksum: 0x2ac2 [unverified]
 [Checksum Status: Unverified]
 Urgent pointer: 0
 [SEQ/ACK analysis]
 [Timestamps]