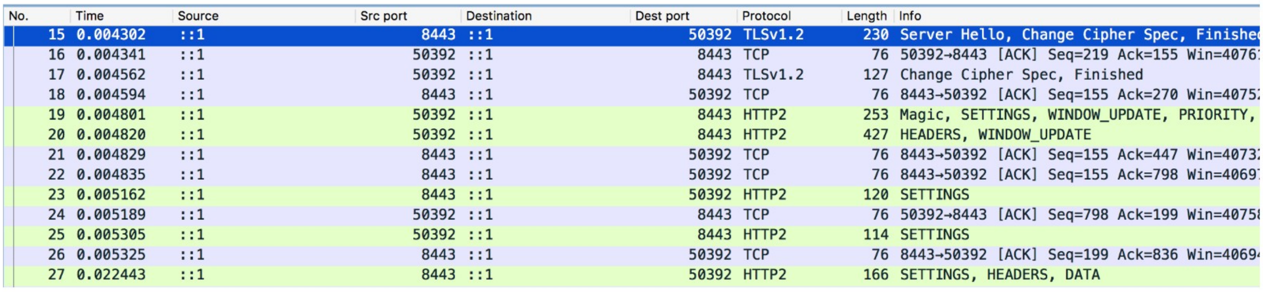
Q: How to decrypt HTTPS packets with Wireshark?

A: Please refer to the blog https://jimshaver.net/2015/02/11/decrypting-tls-browser-traffic-with-wireshark-the-easy-way/

If you follow the guide step by step, you should be able to get the packet information like this:



No.	Time	Source	Src port	Destination	Dest port	Protocol	Length	Info
15	0.004302	::1	8443	::1	50392	TLSv1.2	230	Server Hello, Change Cipher Spec, Finishe
16	0.004341	::1	50392	::1	8443	TCP	76	50392→8443 [ACK] Seq=219 Ack=155 Win=4076
17	0.004562	::1	50392	::1	8443	TLSv1.2	127	Change Cipher Spec, Finished
18	0.004594	::1	8443	::1	50392	TCP	76	8443→50392 [ACK] Seq=155 Ack=270 Win=4075
19	0.004801	::1	50392	::1	8443	HTTP2	253	Magic, SETTINGS, WINDOW_UPDATE, PRIORITY,
20	0.004820	::1	50392	::1	8443	HTTP2	427	HEADERS, WINDOW_UPDATE
21	0.004829	::1	8443	::1	50392	TCP	76	8443→50392 [ACK] Seq=155 Ack=447 Win=4073
22	0.004835	::1	8443	::1	50392	TCP	76	8443→50392 [ACK] Seq=155 Ack=798 Win=4069
23	0.005162	::1	8443	::1	50392	HTTP2	120	SETTINGS
24	0.005189	::1	50392	::1	8443	TCP	76	50392→8443 [ACK] Seq=798 Ack=199 Win=4075
25	0.005305	::1	50392	::1	8443	HTTP2	114	SETTINGS
26	0.005325	::1	8443	::1	50392	TCP	76	8443→50392 [ACK] Seq=199 Ack=836 Win=4069
27	0.022443	::1	8443	::1	50392	HTTP2	166	SETTINGS, HEADERS, DATA

In practice, Wireshark may not decrypt packets correctly at the first time you visit an URL. When conducting the experiment, please follow the following procedures:

1. Visit the URL (i.e. https://localhost:8443) in your browser

2. Open Wireshark and listen on the interface

3. Force reload the page in your browser (avoid cache)