**Screenshot of segment used

71.099576 205.128.94.253

1a. What URL did you use? What was the IP address?

www.logitech.com

205.128.94.253

1b. Find the frame in which your PC sent the SYN packet. List the source and dest IP address, the source and dest port numbers, and the header checksum.

Source IP Address - 192.168.1.5

Dest IP Address - 205.128.94.253

Source port number - 52100 (52100)

Dest Port number – http (80)

Header checksum - 0x0000 [incorrect, should be 0x940f (maybe caused by "IP checksum offload"?)]

1c. Select the SYN/ACK packet. List the source and dest IP address, the source and dest port numbers, and the header checksum.

Source IP Address – 205.128.94.253 Dest IP Address – 192.168.1.5 Source port number – 52100 (52100) Dest Port number – http (80) Header checksum – Oxcbbb

1d. Select the packet that acknowledges the SYN/ACK segment. List the source and dest IP address, the source and dest port numbers, and the header checksum.

Source IP Address - 192.168.1.5

Dest IP Address - 205.128.94.253

Source port number - 52100 (52100)

Dest Port number – http (80)

Header checksum - 0x0000 [incorrect, should be 0x9416 (maybe caused by "IP checksum offload"?)]

2. Change the options so that only packets you send are recorded. Do a capture. Click on the window containing Wireshark and hit Alt-Enter. This captures the window to your clipboard (or use any snapshot program). Paste it into your homework.

Capturing from Athen	os L1C PCI-E Ethernet Controll	er (src net 192.168.1.5) [Wiresha	k 1.6.5 (SVN Rev 404	429 from /trunk-1.6)]
<u>File Edit View Go</u>	Capture Analyze Statistics	Telephony Tools Internals	Help	
		4 +		. 🗹 🖬 🕅 🛼 % 📖
Filter:		- Expres	sion Clear Apply	y
No. Time	Source	Destination	Protocol Len	ngth Info
1 0.000000	192.168.1.5	192.168.1.1	DNS	76 Standard query A www.logitech.com
2 0.296835	192.168.1.5	206.33.41.253	тср	62 52995 > http [SYN] Seq=0 Win=8192 Len=0 MSS=1452 SACK_PERM=1
4 0 315400	192.108.1.5	200.33.41.233	TCP	52 52990 > Http [StN] Seg=0 WHH=6192 LeH=0 MSS=1432 SACK_PERM=1
5 0. 315552	192.168.1.5	206. 33. 41. 253	HTTP	913 GET / HTTP/1.1
6 0. 317489	192.168.1.5	206.33.41.253	TCP	54 52995 > http [ACK] Seg=1 Ack=1 win=65340 Len=0
7 0.337380	192.168.1.5	206.33.41.253	тср	54 [TCP Dup ACK 5#1] 52996 > http [ACK] seq=860 Ack=1 Win=65340 Len=0
8 0.339856	192.168.1.5	206.33.41.253	TCP	54 52996 > http [ACK] Seq=860 Ack=2905 Win=65340 Len=0
9 0.359820	192.168.1.5	206.33.41.253	TCP	54 52996 > http [ACK] Seq=860 Ack=5809 Win=65340 Len=0
10 0. 377774	192.168.1.5	206.33.41.253	TCP	54 52996 > http [ACK] Seq=860 ACK=8713 Win=65340 Len=0
12 0.380131	192.108.1.5	200.33.41.253	TCP	54 52006 > http [ACK] Seq=860 ACK=11617 W1R=05340 Len=0
13 0.399906	192.168.1.5	206. 33. 41. 253	TCP	54 52996 > http [ACK] Seq=860 ACK=17425 Win=65340 Len=0
14 0,400096	192.168.1.5	206.33.41.253	TCP	54 52996 > http [ACK] Seq=860 Ack=20329 Win=65340 Len=0
15 0. 508056	192.168.1.5	206.33.41.253	HTTP	968 GET /en-us/home HTTP/1.1
16 0.529458	192.168.1.5	206.33.41.253	TCP	54 [TCP Dup ACK 15#1] 52996 > http [ACK] seq=1774 Ack=20580 win=65089 Len=0
Erame 2: 62 hvt	tes on wire (496 bits	s), 62 bytes cantured (196 hits)	CL CANOC - have facul con 1234 and CANOL Die CCANOL - A
Ethernet II. St	c: Dell_e0:62:98 (00	0:26:b9:e0:62:98), Dst:	Actionte_54:88	38:87 (00:18:01:54:88:87)
□ Internet Protocol version 4, Src: 192.168.1.5 (192.168.1.5), Dst: 206.33.41.253 (206.33.41.253)				
Version: 4				
Header length: 20 bytes				
DITTERENTIATED SERVICES FIELD: 0x00 (DSCP 0x00: Default; ECN: 0x00: Not-ECT (Not ECN-Capable Transport))				
TUGAT LENGUR: 40				
a Class (w/0) (boy't Ersament)				
Frament offset: 0				
Time to live: 128				
Protocol: TCF	(6)			
Header checks	sum: 0x0000 [incorrec	ct, should be 0x035e (m	aybe caused by	/ "IP checksum offload"?)]
Source: 192.1	168.1.5 (192.168.1.5))		
Dectination.	206 22 /1 252 /206 3	12 A1 7521		
0010 00 18 01 54	40 00 80 06 00 00	c0 a8 01 05 ce 21 .0	&DE.	
0020 29 fd cf 03	00 50 68 d7 a7 a3	00 00 00 00 70 02)	php.	
0030 20 00 b9 ee	00 00 02 04 05 ac	01 01 04 02		
Atheros L1C PCI-E Eth	hernet Controller: < live Pac	kets: 100 Displayed: 160 Marked: 0		Profile: Defau