

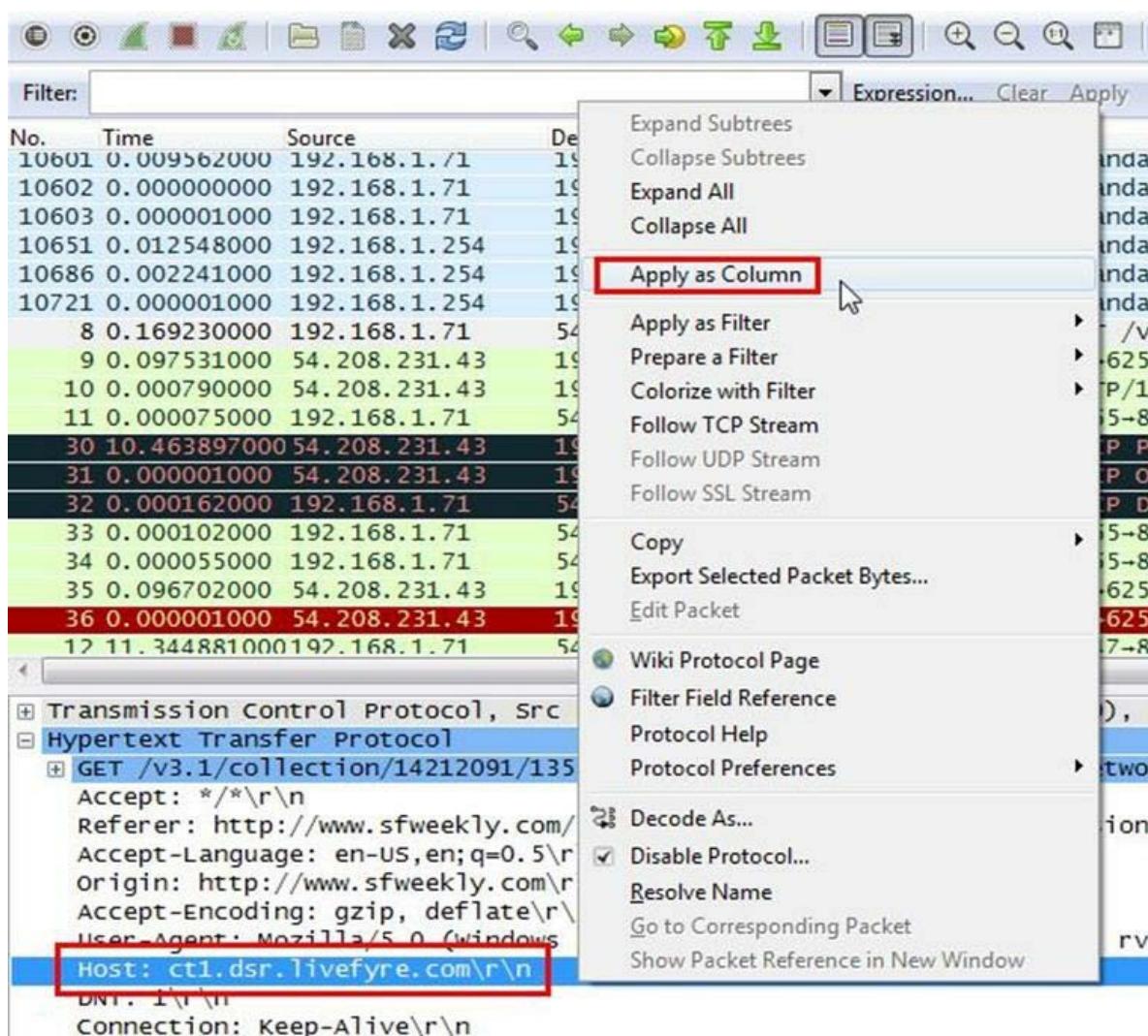
PRACTICAL 5

Aim :- Analyze the packets provided in lab and solve the questions using Wireshark :

- What web server software is used by www.snopes.com?
- About what cell phone problem is the client concerned?
- According to Zillow, what instrument will Ryan learn to play?
- How many web servers are running Apache?

1. What web server software issued by www.snopes.com?

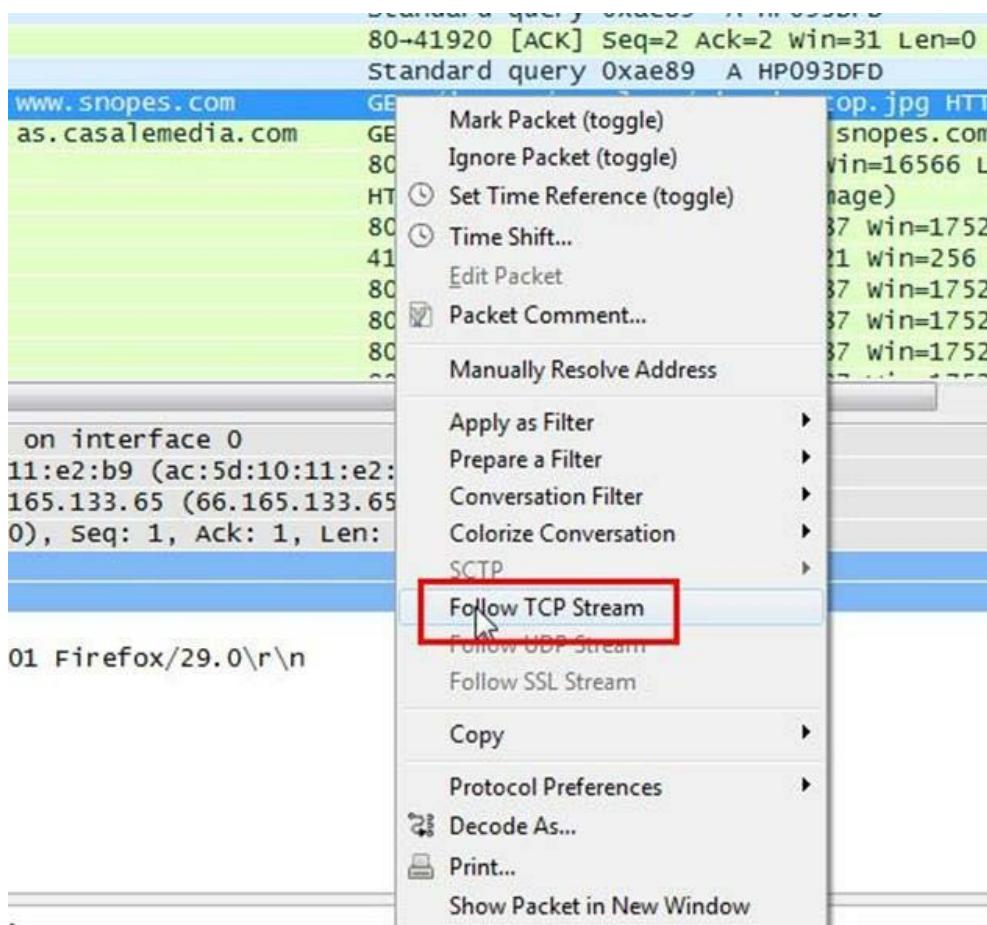
Analysis – The domain name be found from host header so we will set host header column where we will see all domain name. Select any HTTP request and expand the Hypertext Transfer Protocol then right click on Host header and then Apply as Column.



Now we can see our host www.snopes.com in host column.

Time	Source	Destination	Protocol	Length	Host
11 0.055571000	192.168.1.254	192.168.1.71	DNS	222	
12 0.073696000	64.49.225.166	192.168.1.71	TCP	60	
13 0.000150000	192.168.1.71	64.49.225.166	TCP	54	
14 0.000056000	192.168.1.71	64.49.225.166	TCP	54	
15 0.036217000	fe80::856e:7b6d:6 ff02::1:3		LLMNR	88	
16 0.001465000	192.168.1.68	224.0.0.252	LLMNR	68	
17 0.041273000	64.49.225.166	192.168.1.71	TCP	60	
18 0.057682000	192.168.1.68	224.0.0.252	LLMNR	68	
19 0.244659000	192.168.1.71	66.165.133.65	HTTP	440	www.snopes.com
20 0.018898000	192.168.1.71	207.109.230.161	HTTP	1037	as.casalemedia.com
21 0.025753000	207.109.230.161	192.168.1.71	TCP	60	
22 0.053733000	66.165.133.65	192.168.1.71	HTTP	1514	
23 0.000839000	66.165.133.65	192.168.1.71	TCP	1514	
24 0.000057000	192.168.1.71	66.165.133.65	TCP	54	
25 0.000751000	66.165.133.65	192.168.1.71	TCP	1514	
26 0.000775000	66.165.133.65	192.168.1.71	TCP	1514	
27 0.000002000	66.165.133.65	192.168.1.71	TCP	1514	

Right click on the selected packet and then select Follow TCP stream.



Now we can see the webserver name in server header it is Microsoft IIS 5.0

Stream Content

```

GET /images/template/site-bg-top.jpg HTTP/1.1
Host: www.snopes.com
User-Agent: Mozilla/5.0 (Windows NT 6.3; WOW64; rv:29.0) Gecko/20100101 Firefox/29.0
Accept: image/png,image/*;q=0.8,*/*;q=0.5
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
Referer: http://www.snopes.com/style.css
Cookie: ASPSESSIONIDQQQDSBBA=OJMBNHECFANCNIJJGBBMBLDO
Connection: keep-alive

HTTP/1.1 200 OK
Server: Microsoft-IIS/5.0
Date: Thu, 22 May 2014 01:49:06 GMT
Content-Type: image/jpeg
Accept-Ranges: bytes
Last-Modified: Mon, 03 Nov 2008 04:34:19 GMT
ETag: "98242b706d3dc91:b5f"
Content-Length: 32173

.....JFIF.....d.d.....Ducky.....U.....Adobe.
d.....
```

2. About what cell phone problem is the client concerned?

Analysis – Client talking about cell so we search for cell keyword in whole packets. We will use regular express for searching the cell keyword. Apply frame matches “(?! cell”

Frame List						
No.	Time	Source	Destination	Protocol	Length	Host
20	0.018898000	192.168.1.71	207.109.230.161	HTTP	1037	as.casalemedia.com
70	0.000001000	207.109.230.161	192.168.1.71	TCP	408	
94	0.039888000	192.168.1.71	74.125.196.139	HTTP	1192	www.google-analytics.com
102	0.017700000	192.168.1.71	50.19.115.152	HTTP	418	stat.komoona.com
106	0.019119000	192.168.1.71	107.20.177.71	HTTP	462	a.komoona.com
126	0.330874000	192.168.1.71	50.19.115.152	HTTP	540	stat.komoona.com
128	0.050275000	192.168.1.71	64.12.239.201	HTTP	510	adserver.adtechus.com
152	0.109725000	192.168.1.71	176.32.99.164	HTTP	436	s.komoona.com
156	0.039271000	192.168.1.71	54.85.82.173	HTTP	439	x.bidswitch.net
157	0.020117000	192.168.1.71	74.209.219.38	HTTP	500	aol-match.dotomi.com
176	0.429894000	192.168.1.71	23.210.219.85	HTTP	989	ads.rubiconproject.com
194	0.014825000	192.168.1.71	54.84.236.238	HTTP	508	pool.adizio.com
200	0.188424000	192.168.1.71	69.25.24.23	HTTP	1091	optimized-by.rubicon
229	0.337378000	192.168.1.71	23.210.231.153	HTTP	1514	ads.pubmatic.com
259	0.000134000	192.168.1.71	54.241.183.234	HTTP	528	x.skimresources.com
268	0.590522000	192.168.1.71	162.248.19.142	HTTP	1514	showads.pubmatic.com
269	0.000010000	192.168.1.71	162.248.19.142	TCP	1514	
610	0.000165000	192.168.1.71	66.165.122.65	HTTP	007	www.snopes.com

After applying the filter now, we will start to check every HTTP request. We noticed in the first HTTP request cell keyword is in URL and it was about cell phone charging issue.

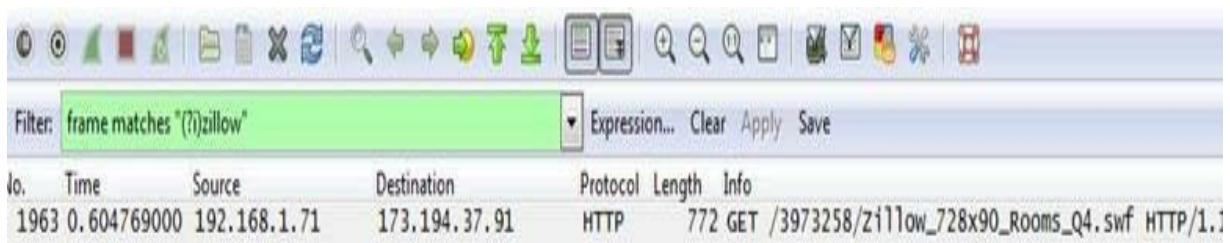
Filter: frame matches "(?i)cell"						
					Expression...	Clear Apply Save
Time	Source	Destination	Protocol	Length	Info	
20 0.018898000	192.168.1.71	207.109.230.161	HTTP	1037	GET /?s=81847&u=http%3A//www.snopes.com/horrors/techno/cellcharge.asp&f=1&id=4240355892,946	
70 0.000001000	207.109.230.161	192.168.1.71	TCP	408	80->41932 [PSH, ACK] Seq=7318 Ack=984 Win=16566 Len=354	
94 0.039888000	192.168.1.71	74.125.196.139	HTTP	1192	GET /__utm.gif?utmwv=5.5.1&utms=1&utmhn=www.snopes.com&utmcs=windows-1252&utm	
102 0.017700000	192.168.1.71	50.19.115.152	HTTP	418	GET /?tagid=cad64db7f73589c9a110884ce73bb7_728_90&v=2.1&cb=516430883&ts=2	HTTP/1.1
106 0.019119000	192.168.1.71	107.20.177.71	HTTP	462	GET /tag/cad674db7f73589c9a110884ce73bb7_728_90.js?l=http%3A%2F%2Fwww.snopes.com%2Fhorrors%	
126 0.330874000	192.168.1.71	50.19.115.152	HTTP	540	GET /?tagid=cad674db7f73589c9a110884ce73bb7_728_90.js?l=http%3A%2F%2Fwww.snopes.com%2Fhorrors%	
128 0.050275000	192.168.1.71	64.12.239.201	HTTP	510	GET /addyn/3.0/9423.1/3142865/0/225/ADTECH; loc=100; target=_blank; misc=%5BTIMESTAMP%50; rdclci	
152 0.109725000	192.168.1.71	176.32.99.164	HTTP	436	GET /passback/np/cad674db7f73589c9a110884ce73bb7_728_90.js?l=http%3A%2F%2Fwww.snopes.com%2Fhorrors%	
156 0.039271000	192.168.1.71	54.85.82.173	HTTP	439	GET /sync?ssp=bidsswitch&bidsswitch_ssp_id=aol	HTTP/1.1
157 0.020117000	192.168.1.71	74.209.219.38	HTTP	500	GET /aol/match?cb=https://ums.adtechus.com/mapuser?providerid=1013;userid=\$UID	HTTP/1.1
176 0.429894000	192.168.1.71	23.210.219.85	HTTP	989	GET /ad/9192.js	HTTP/1.1
194 0.014825000	192.168.1.71	54.84.236.238	HTTP	508	GET /sync?ssp=bidsswitch&bidsswitch_ssp_id=aol	HTTP/1.1
200 0.188424000	192.168.1.71	69.25.24.23	HTTP	1094	GET /a/9192/19861/64229-2.js?cb=0.1871559557158202&tk_st=1&p_s=c&p_exp=1&p_pos=atf&p_scre	
229 0.337378000	192.168.1.71	23.210.231.153	HTTP	1514	GET /AdServer/ja/showad.js?rn=516430883	HTTP/1.1
259 0.000134000	192.168.1.71	54.241.183.234	HTTP	528	GET /?provider=adizio&mode=check&uid=1039da81-f78e-44cc-a317-d4139ca80c0c	HTTP/1.1
268 0.590522000	192.168.1.71	162.248.19.142	HTTP	1514	GET /AdServer/AdserverServlet?pubId=32702&siteId=46838&adId=80732&adwidth=728&kadheight=90&	
269 0.000010000	192.168.1.71	162.248.19.142	TCP	1514	41950-80 [ACK] Seq=1461 Ack=1 Win=16445440 Len=1460	
270 0.000010000	192.168.1.71	66.165.133.65	HTTP	607	GET /horrors/techno/cellcharge.asp	HTTP/1.1
ce 0						
Sd:10:11:e2:b9)						
74.125.196.139)						
ck: 1, Len: 1138						
utmc=windows-1252&utmsr=1920x1080&utmvp=1920x953&utmcs=24-bit&utmul=en-us&utmje=1&utmfl=13.0%20r0&utmdt=snopes.com%3A%20cel11%20Phone%20Recharging%20Electroc						

3. According to Zillow, what instrument will Ryan learn to play?

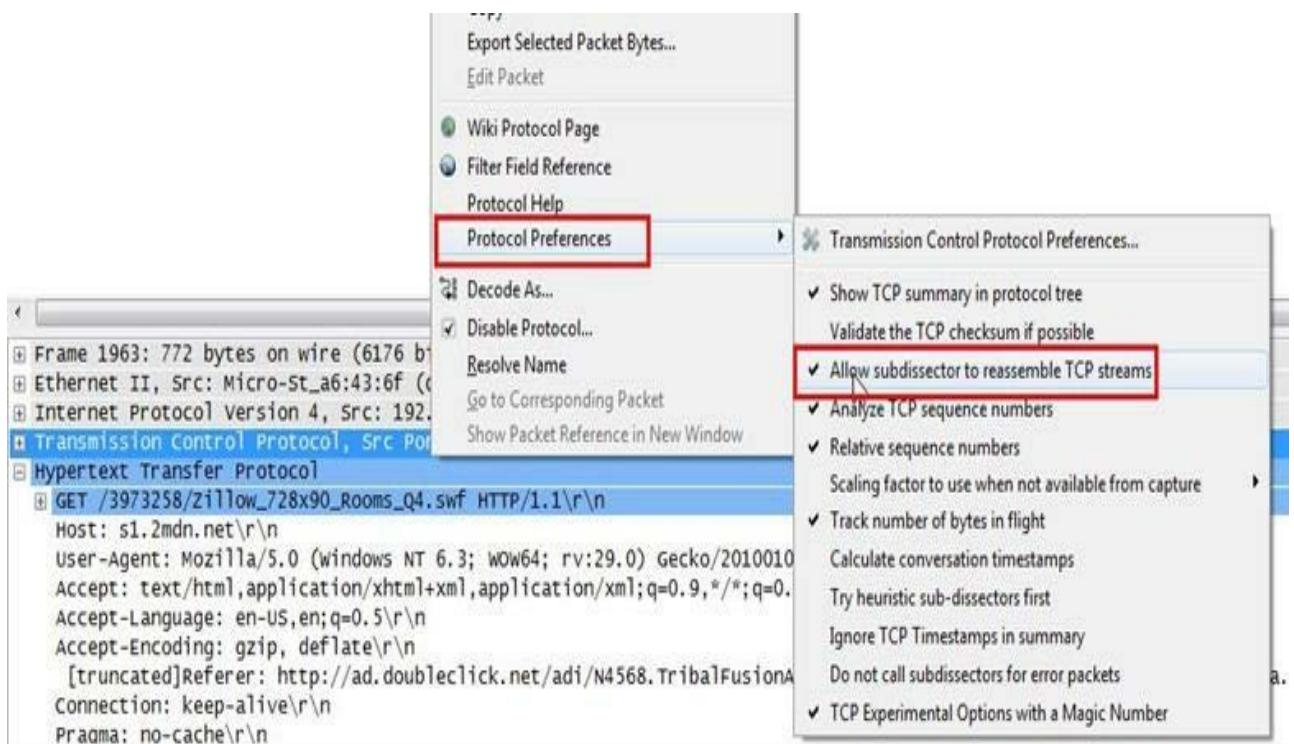
Analysis – As we did in the last challenge, we will apply a regular express filter for the Zillow keyword. Apply frame matched “(?!zillow”

Filter: frame matches "(?i)zillow"						
					Expression...	Clear Apply Save
Time	Source	Destination	Protocol	Length	Info	
94 0.039888000	192.168.1.71	74.125.196.139	HTTP	1192	GET /__utm.gif	
95 0.004442000	199.189.107.4	192.168.1.71	TCP	60	80->41929 [ACK]	
96 0.000769000	199.189.107.4	192.168.1.71	TCP	60	[TCP Dup ACK 9]	
97 0.060923000	199.189.107.4	192.168.1.71	TCP	60	80->41930 [FIN,	
98 0.000136000	192.168.1.71	199.189.107.4	TCP	54	41930->80 [ACK]	
99 0.000052000	192.168.1.71	199.189.107.4	TCP	54	41930->80 [FIN,	
100 0.015401000	74.125.196.139	192.168.1.71	TCP	60	80->41931 [ACK]	
101 0.000796000	74.125.196.139	192.168.1.71	HTTP	458	HTTP/1.1 200 OK	
102 0.017700000	192.168.1.71	50.19.115.152	HTTP	418	GET /?tagid=cad674db7f73589c9a110884ce73bb7_728_90.js?l=http%3A%2F%2Fwww.snopes.com%2Fhorrors%	
103 0.011551000	192.168.1.71	74.125.196.139	TCP	54	41931->80 [ACK]	
104 0.029132000	199.189.107.4	192.168.1.71	TCP	60	80->41930 [ACK]	
105 0.000000000	199.189.107.4	192.168.1.71	TCP	60	[TCP Dup ACK 10]	
106 0.019119000	192.168.1.71	107.20.177.71	HTTP	462	GET /tag/cad674db7f73589c9a110884ce73bb7_728_90.js?l=http%3A%2F%2Fwww.snopes.com%2Fhorrors%	
107 0.034965000	50.19.115.152	192.168.1.71	TCP	60	80->41934 [ACK]	
108 0.0015555000	50.19.115.152	192.168.1.71	HTTP	338	HTTP/1.1 200 OK	
109 0.023341000	192.168.1.71	199.189.107.4	TCP	54	[TCP Retransmission]	
110 0.016019000	192.168.1.71	50.19.115.152	TCP	54	41934->80 [ACK]	
111 0.010773000	107.20.177.71	107.169.1.71	TCP	60	80->41935 [ACK]	

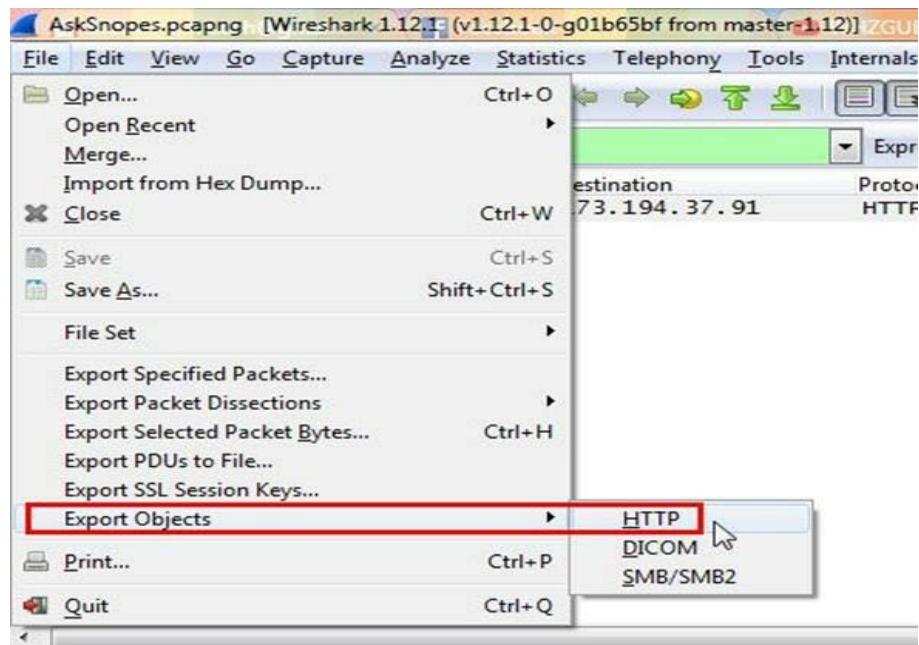
After applying the filter, we found only one packet with the Zillow keyword



Select the packet and expand the Hypertext Transfer Protocol tab right click on it go to Protocol Preferences and check Allow subdissector to reassemble TCP stream.



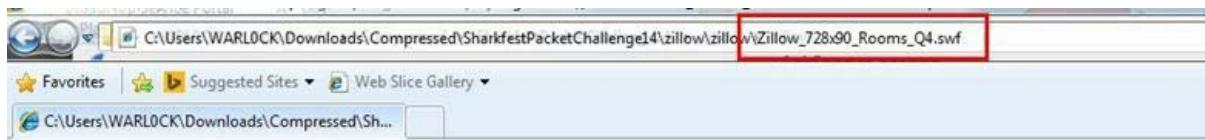
Now go to file and select Export Objects > HTTP. It will save all objects from the packet.



Click on save all.

Packet num	Hostname	Content Type	Size	Filename
52	www.snopes.com	image/jpeg	32 kB	site-bg-top.jpg
54		text/plain	15 bytes	
70	as.casalemedia.com	text/javascript	6735 bytes	cellcharge.asp&f=1&id=4240355892.9460454
101	www.google-analytics.com	image/gif	35 bytes	_utm.gif?utmwv=5.5.1&utms=1&utmn=624
108	stat.komoona.com	application/x-javascript	4 bytes	s?tagid=cad674db7f73589c9a110884ce73bb7;
112	a.komoona.com	application/x-javascript	815 bytes	cad674db7f73589c9a110884ce73bb72_728_90
129	stat.komoona.com	application/x-javascript	4 bytes	s?tagid=cad674db7f73589c9a110884ce73bb7;
133	adserver.adtechus.com	application/x-javascript	431 bytes	ADTECH;loc=100;target=_blank;misc=%5BTI
154	s.komoona.com	application/x-javascript	5603 bytes	cad674db7f73589c9a110884ce73bb72.js
182	ads.rubiconproject.com	text/javascript	18 kB	9192.js
205	optimized-by.rubiconproject.com	text/javascript	1852 bytes	64229-2.js?&cb=0.18771559557158202&tk_st:
212	ocsp.thawte.com	application/ocsp-request	115 bytes	\
215	ocsp.thawte.com	application/ocsp-response	1421 bytes	\
223	ocsp.thawte.com	application/ocsp-request	115 bytes	\
225	ocsp.thawte.com	application/ocsp-response	1421 bytes	\
251	ads.pubmatic.com	text/html	54 kB	showad.js?rn=516430883
261	x.skimresources.com	application/json	79 bytes	?provider=adizio&mode=check&uid=1039d
330	pr.ybp.yahoo.com	image/gif	43 bytes	E6EF997B-80FE-4373-AB1F-500144B03A7B
334	rt.legolas-media.com	image/gif	6 bytes	lgrt?ci=12&ti=64523&pbi=11057
346	um.eqads.com	text/html	196 bytes	pub.aspx?
353	ads.pubmatic.com	text/html	454 bytes	ro_914.html

After saving all files in a directory and we found a swf file with name Zillow.
After opening the flash file, we saw that Zillow was trying to learn saxophone.

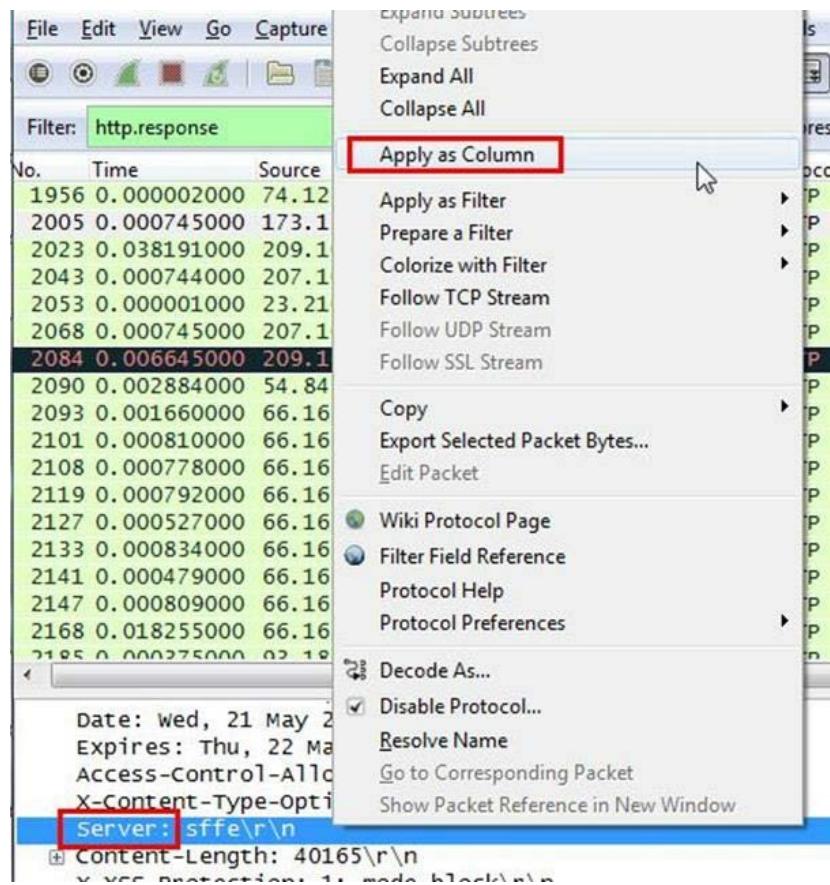


4. How many web servers are running Apache?

Analysis – The web server name can be retrieved from HTTP response header. So will apply filter http.response and we can see all http response packets.

No.	Time	Source	Destination	Protocol	Length	Info
1956	0.000002000	74.125.21.154	192.168.1.71	HTTP	432	HTTP/1.1 200 OK (text/javascript)
2005	0.000745000	173.194.37.91	192.168.1.71	HTTP	580	HTTP/1.1 200 OK (application/javascript)
2023	0.038191000	209.107.194.81	192.168.1.71	HTTP	1478	HTTP/1.1 200 OK (application/javascript)
2043	0.000744000	207.109.230.154	192.168.1.71	HTTP	1054	HTTP/1.1 200 OK (text/html)
2053	0.000001000	23.210.231.153	192.168.1.71	HTTP	178	HTTP/1.1 200 OK (text/html)
2068	0.000745000	207.109.230.154	192.168.1.71	HTTP	1054	HTTP/1.1 200 OK (text/html)
2084	0.006645000	209.107.194.81	192.168.1.71	HTTP	1478	[TCP Retransmission] HTTP/1.1 200 OK (text/html)
2090	0.002884000	54.84.148.104	192.168.1.71	HTTP	626	HTTP/1.1 200 OK (GIF89a)
2093	0.001660000	66.165.133.65	192.168.1.71	HTTP	1201	HTTP/1.1 200 OK (GIF89a)
2101	0.000810000	66.165.133.65	192.168.1.71	HTTP	673	HTTP/1.1 200 OK (GIF89a)
2108	0.000778000	66.165.133.65	192.168.1.71	HTTP	324	HTTP/1.1 200 OK (GIF89a)
2119	0.000792000	66.165.133.65	192.168.1.71	HTTP	176	HTTP/1.1 200 OK (GIF89a)
2127	0.000527000	66.165.133.65	192.168.1.71	HTTP	591	HTTP/1.1 200 OK (GIF89a)
2133	0.000834000	66.165.133.65	192.168.1.71	HTTP	482	HTTP/1.1 200 OK (GIF89a)
2141	0.000479000	66.165.133.65	192.168.1.71	HTTP	592	HTTP/1.1 200 OK (GIF89a)
2147	0.000809000	66.165.133.65	192.168.1.71	HTTP	1414	HTTP/1.1 200 OK (GIF89a)

Now we will set the server header as column select any packet and right click on it then select Apply as Column.



Now can see the server column where all server name is showing.

Destination	Protocol	Length	Server	Info
192.168.1.71	HTTP	828	sffe	HTTP/1.1 200 OK (JPEG JFIF image)
192.168.1.71	HTTP	580	sffe	HTTP/1.1 200 OK (application/x-shockwave-flash)
192.168.1.71	HTTP	807	sffe	HTTP/1.1 200 OK (text/javascript)
192.168.1.71	HTTP	463	sffe	HTTP/1.1 200 OK (text/javascript)
192.168.1.71	HTTP	959	radiumone/1.2	HTTP/1.1 200 OK (GIF89a)
192.168.1.71	HTTP	525	radiumone/1.2	HTTP/1.1 200 OK (text/html)
192.168.1.71	HTTP	875	post/2.0	HTTP/1.1 200 OK (application/x-javascript)
192.168.1.71	OCSP	829	ocsp_responder	response
192.168.1.71	HTTP	1159	nginx/1.5.3	HTTP/1.1 302 Found
192.168.1.71	HTTP	1092	nginx/1.5.3	HTTP/1.1 302 Found
192.168.1.71	HTTP	626	nginx/1.4.7	HTTP/1.1 200 OK (GIF89a)
192.168.1.71	HTTP	685	nginx/1.4.7	HTTP/1.1 302 Moved Temporarily
192.168.1.71	HTTP	626	nginx/1.4.7	HTTP/1.1 200 OK (GIF89a)
192.168.1.71	HTTP	626	nginx/1.4.7	HTTP/1.1 200 OK (GIF89a)
192.168.1.71	HTTP	681	nginx/1.4.7	HTTP/1.1 302 Moved Temporarily
192.168.1.71	HTTP	323	nginx/1.4.3	TCP Out-of-Order] HTTP/1.1 302 Found
192.168.1.71	HTTP	303	nginx/1.4.3	HTTP/1.1 302 Found
192.168.1.71	HTTP	225	nginx/1.2.0	HTTP/1.1 200 OK (application/x-javascript)

Now we have to check how many Apache packets are there we can't count manually for each packet so we will apply another filter http.server contains "Apache"

No.	Time	Source	Destination	Protocol	Length	Server
1811	0.051151000	50.19.115.152	192.168.1.71	HTTP	338	Apache
1609	0.003943000	50.19.115.152	192.168.1.71	HTTP	338	Apache
1483	0.000002000	23.210.219.85	192.168.1.71	HTTP	1078	Apache
1344	0.000747000	23.210.219.85	192.168.1.71	HTTP	1078	Apache
1317	0.016574000	50.19.115.152	192.168.1.71	HTTP	338	Apache
1295	0.000774000	107.20.177.71	192.168.1.71	HTTP	515	Apache
1287	0.001961000	50.19.115.152	192.168.1.71	HTTP	338	Apache
1222	0.015700000	207.109.230.161	192.168.1.71	HTTP	765	Apache
1173	0.001648000	69.25.24.24	192.168.1.71	HTTP	1171	Apache
1165	0.001172000	69.25.24.24	192.168.1.71	HTTP	1160	Apache
1139	0.001222000	69.25.24.24	192.168.1.71	HTTP	1121	Apache
669	0.001691000	69.25.24.24	192.168.1.71	HTTP	1128	Apache
182	0.000744000	23.210.219.85	192.168.1.71	HTTP	1078	Apache
129	0.038194000	50.19.115.152	192.168.1.71	HTTP	338	Apache
112	0.002082000	107.20.177.71	192.168.1.71	HTTP	955	Apache
108	0.001555000	50.19.115.152	192.168.1.71	HTTP	338	Apache
70	0.000001000	207.109.230.161	192.168.1.71	HTTP	408	Apache

After applying filter go to Statistics > Endpoints

The screenshot shows the Wireshark interface with the Statistics menu open. The 'Endpoints' option is highlighted with a red box. The menu also lists other options like Summary, Conversations, IO Graph, Conversation List, Endpoint List, Service Response Time, and Flow Graph.

It will show all connections

IPv4 Endpoints

Address	↓ Packets	↓ Bytes	↓ Tx Packets	↓ Tx Bytes	↓ Rx Packets	↓ Rx Bytes	↓ Latitude	↓ Lc
192.168.1.71	3 987	1 814 693	1 976	413 339	2 011	1 401 354	-	-
192.168.1.254	409	50 248	187	32 761	222	17 487	-	-
74.125.196.139	10	2 118	4	644	6	1 474	-	-
207.109.230.161	30	12 164	15	9 252	15	2 912	-	-
64.49.225.166	20	6 963	11	6 018	9	945	-	-
192.168.1.68	16	1 088	16	1 088	0	0	-	-
224.0.0.252	36	2 432	0	0	36	2 432	-	-
66.165.133.65	535	289 649	264	243 481	271	46 168	-	-
108.160.167.165	45	4 923	20	2 083	25	2 840	-	-
50.19.115.152	50	13 256	18	4 706	32	8 550	-	-
107.20.177.71	29	6 905	13	4 011	16	2 894	-	-
199.189.107.4	209	160 954	133	154 206	76	6 748	-	-
192.168.1.66	16	1 088	16	1 088	0	0	-	-
64.12.239.201	74	10 457	38	5 410	36	5 047	-	-
176.32.99.164	55	36 111	29	30 476	26	5 635	-	-
54.85.82.173	21	3 224	9	1 739	12	1 485	-	-
74.209.219.38	22	2 796	11	1 168	11	1 628	-	-
23.210.219.85	56	43 884	31	34 152	25	9 732	-	-
54.84.236.238	10	1 733	4	943	6	790	-	-
69.25.24.23	88	34 477	39	22 618	49	11 859	-	-
23.7.139.27	15	5 288	7	3 912	8	1 376	-	-
23.210.231.153	314	237 690	179	173 883	135	63 807	-	-

Name resolution
 Limit to display filter

Help
 Limit the list to endpoints matching the current display filter.

Check the limit to display filter then it will show the actual Apache connections. Now there are showing 22 connections but will exclude 192.168.1.71 because it is client's IP not a server IP so there are actual 21 Apache servers.

Ethernet: 2	Fibre Channel	FDD	IPv4: 22	IPv6	IPX	JXTA	NCP	RSVP	SCTP	TCP: 77	Token
IPv4 Endpoints - Filter: http.sen											
Address	▼ Packets	◀ Bytes	▼ Tx Packets	◀ Tx Bytes	▼ Rx Packets	◀ Rx Bytes	◀ Latitude	◀ Longitude	◀	◀	◀
207.109.230.161	2	1 173	2	1 173	0	0	0	0	0	0	0
192.168.1.71	80	60 911	0	0	80	60 911	0	0	0	0	0
50.19.115.152	13	4 394	13	4 394	0	0	0	0	0	0	0
107.20.177.71	4	3 143	4	3 143	0	0	0	0	0	0	0
23.210.219.85	6	6 468	6	6 468	0	0	0	0	0	0	0
23.210.231.153	12	6 163	12	6 163	0	0	0	0	0	0	0
23.23.197.19	2	1 179	2	1 179	0	0	0	0	0	0	0
216.39.54.212	1	225	1	225	0	0	0	0	0	0	0
162.248.19.136	3	2 363	3	2 363	0	0	0	0	0	0	0
162.248.16.24	2	1 692	2	1 692	0	0	0	0	0	0	0
69.25.24.24	13	15 024	13	15 024	0	0	0	0	0	0	0
207.109.230.154	3	3 162	3	3 162	0	0	0	0	0	0	0
50.97.236.98	2	1 753	2	1 753	0	0	0	0	0	0	0
69.25.24.26	3	3 087	3	3 087	0	0	0	0	0	0	0
50.116.194.21	1	1 045	1	1 045	0	0	0	0	0	0	0
50.116.194.28	1	527	1	527	0	0	0	0	0	0	0
54.243.109.84	1	609	1	609	0	0	0	0	0	0	0
63.135.172.251	2	837	2	837	0	0	0	0	0	0	0
199.189.107.4	4	3 950	4	3 950	0	0	0	0	0	0	0
50.63.243.230	1	1 007	1	1 007	0	0	0	0	0	0	0
207.109.230.187	3	3 036	3	3 036	0	0	0	0	0	0	0
162.248.16.37	1	74	1	74	0	0	0	0	0	0	0

Name resolution Limit to display filter

CONCLUSION: We have successfully analyzed the packets provided and solved the questions using wireshark.