1.what is the ip address of the dns/http client in the trace file?

Answer:

192.168.1.72 same in http and dns , no filter used

1000	COURT CO.	Debaration	110000	congui ano
1 0.000000	192.168.1.72	192.168.1.254	DNS	85 Standard qu
2 0.256361	192.168.1.254	192.168.1.72	DNS	145 Standard qu
3 4.095223	192.168.1.72	98.136.187.13	TCP	66 6128 → 80 [
4 4.095921	192.168.1.72	98.136.187.13	TCP	66 6129 → 80 [
5 4.144822	98.136.187.13	192.168.1.72	TCP	66 80 → 6128 [
6 4.145175	192.168.1.72	98.136.187.13	TCP	54 6128 → 80 [
7 4.145956	98.136.187.13	192.168.1.72	TCP	66 80 → 6129 [
8 4.146032	192.168.1.72	98.136.187.13	TCP	54 6129 → 80 [
9 4.156320	192.168.1.72	98.136.187.13	HTTP	322 GET / HTTP/

2. what is the ip address of the dns server?

Answer:

192.168.1.254, filter used: dns

		,		
1 0.000000	192.168.1.72	192.168.1.254	DNS	85 Standard qu
2 0.256361	192.168.1.254	192.168.1.72	DNS	145 Standard qu

3.what dns response time is seen in this trace file?

Answer:

0.256361 seconds, filter used: dns

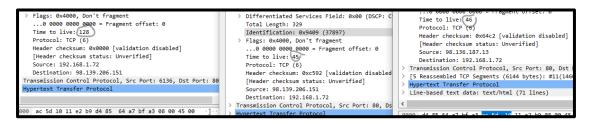
[Time delta from previous captured frame: 0.256361000 seconds]
[Time delta from previous displayed frame: 0.256361000 seconds]
[Time since reference or first frame: 0.256361000 seconds]

1 0.000000	192.168.1.72	192.168.1.254	DNS
2 0.256361	192.168.1.254	192.168.1.72	DNS

4.Do you think this trace was taken closer to the http client or closer to the http servers?

Answer:

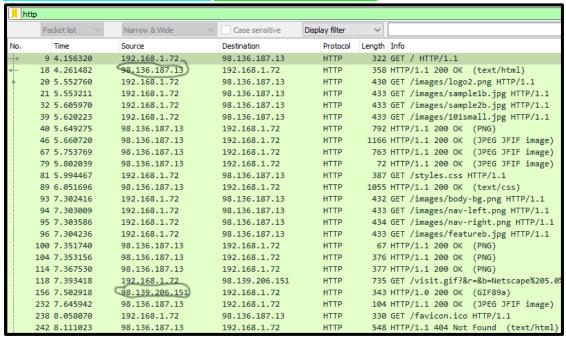
http client was taken closer, the TTL of the client is higher 128 then the servers which are 45 and 46, filter used :http



5. what are the IP addresses of the http servers to which the client successfully connected?

Answer:

98.136.187.13 and 98.139.206.151 (filter shown in screenshot)



6. what are the http host names of the target http servers?

Answer:

visit.webhosting.yahoo.com\r\n (98.139.206.151)

www.wiresharktraining.com\r\n (98.136.187.13), filter used: http.host

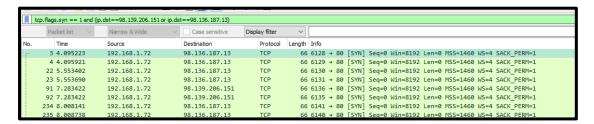


7.how many tcp syn packet did the client send to the http servers?

Answer:



(filter used are shown in the screenshot I could have also added tcp.flags.ack == 0)



8.what uniform resource identifier (URI) does the client request first in this trace file?

Answer:

HTTP/1.1\r\n, filter used: http

```
Hypertext Transfer Protocol

GET / HTTP/1.1\r\n

[Expert Info (Chat/Sequence): GET / HTTP/1.1\r\n]

[GET / HTTP/1.1\r\n]

[Severity level: Chat]

[Group: Sequence]

Request Method: GET

Request URI: /

Request Version: HTTP/1.1
```

9.what HTTP error response(s) are seen in this trace file?

404 Not found, filter used: http

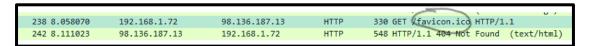
238 8.058070	192.168.1.72	98.136.187.13	HTTP	330 GET /favicon.ico HTTP/1.1
242 8.111023	98.136.187.13	192.168.1.72	HTTP	548 HTTP/1.1 404 Not Found (text/html)

Answer:

10.what requested web object could not be found on the HTTP server?

Answer:

favicon.ico, filter used: http



```
Hypertext Transfer Protocol

GET /favicon.ico HTTP/1.1\r\n

[Expert Info (Chat/Sequence): GET /favicon.ico HTTP/1.1\r\n]
Request Method: GET
Request URI: /favicon.ico
Request Version: HTTP/1.1
```

11. what TCP port numbers did the client open to communicate with the HTTP server

Answer:

6128, 6129, 6130, 6131, 6136, 6140, filter used: http

```
Source Port: 6128 Source Port: 6129 Source Port: 6130

Destination Port: 80 Destination Port: 80

Source Port: 6131 Source Port: 6136 Source Port: 6140

Destination Port: 80 Destination Port: 80
```