Computer Networks Lab

ASSIGNMENT – 8 (NAT)

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nat-inside-wireshark-trace1-1.pcapng

No.	Time	Source	Destination	Protocol	Length	Info
4	2021-03-29 09:20:27.7713735…	192.168.10.11	138.76.29.8	HTTP	396	GET / HTTP/1.1
6	2021-03-29 09:20:27.7746833…	138.76.29.8	192.168.10.11	HTTP	613	HTTP/1.1 200 OK (text/html)
8	2021-03-29 09:20:27.9754186…	192.168.10.11	138.76.29.8	HTTP	317	GET /favicon.ico HTTP/1.1
10	2021-03-29 09:20:27.9770857…	138.76.29.8	192.168.10.11	HTTP	555	HTTP/1.1 404 Not Found (text/html)

1. Source IP address of the HTTP GET request: 192.168.10.11

   Destination IP address of the HTTP GET request: 138.76.29.8

   Source port: 53924

   Destination port: 80

2. Time t = 0.030672101 seconds

3. Source IP address of the HTTP 200 OK response: 138.76.29.8

   Destination IP address of the HTTP 200 OK response: 192.168.10.11

   Source port: 80

   Destination port: 53924

nat-outside-wireshark-trace1-1.pcapng

No.	Time	Source	Destination	Protocol	Length	Info
4	2021-03-29 09:20:27.7713911…	10.0.1.254	138.76.29.8	HTTP	396	GET / HTTP/1.1
6	2021-03-29 09:20:27.7746608…	138.76.29.8	10.0.1.254	HTTP	613	HTTP/1.1 200 OK (text/html)
8	2021-03-29 09:20:27.9754350…	10.0.1.254	138.76.29.8	HTTP	317	GET /favicon.ico HTTP/1.1
10	2021-03-29 09:20:27.9770781…	138.76.29.8	10.0.1.254	HTTP	555	HTTP/1.1 404 Not Found (text/html)

4. Time t = 0.027356291 seconds

5. Source IP address of the HTTP 200 OK response: 10.0.1.254
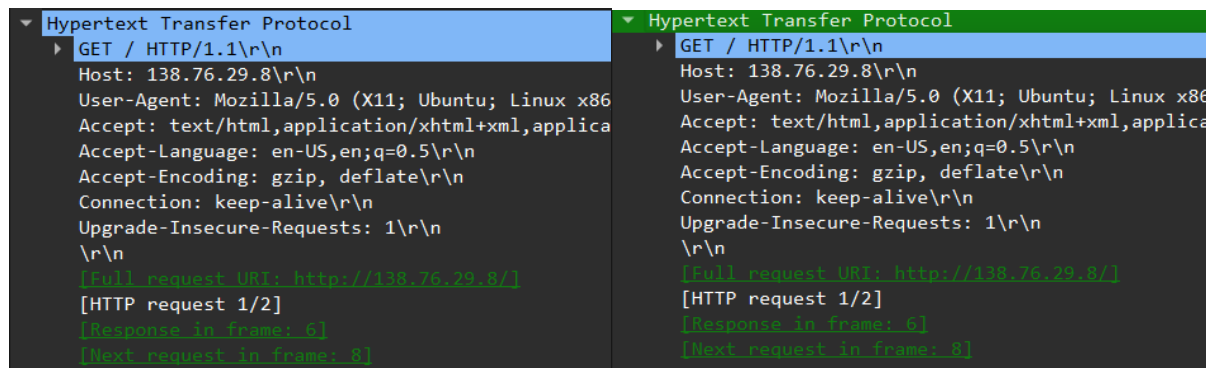
   Destination IP address of the HTTP 200 OK response: 138.76.29.8

   Source port: 53924

   Destination port: 80

6. Source IP address changed

7. No, there is no change in the fields of GET message in inside and outside files of wireshark

8. Checksum changed

9. Time t = 0.030625966 seconds

10. Source IP address of the HTTP 200 OK response: 138.76.29.8

    Destination IP address of the HTTP 200 OK response: 10.0.1.254

    Source port: 80

    Destination port: 53924

11. Source IP address of the HTTP 200 OK response: 138.76.29.8

    Destination IP address of the HTTP 200 OK response: 192.168.10.11

    Source port: 80

    Destination port: 53924