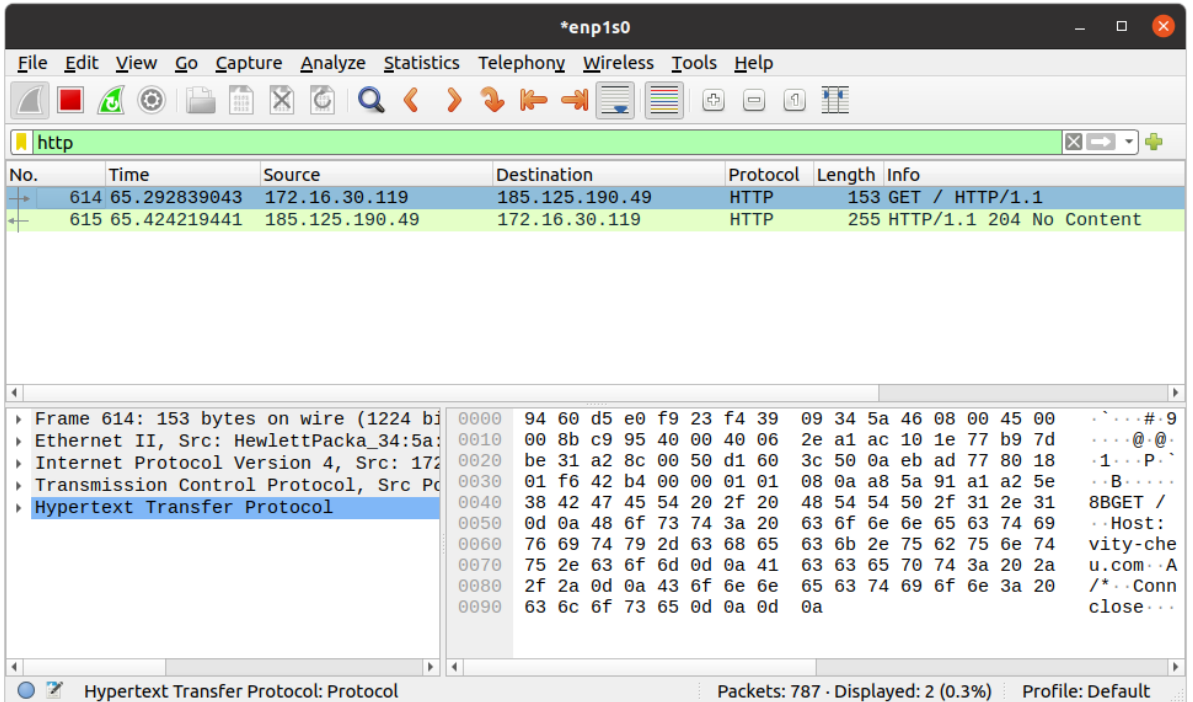




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Name	Manish Shashikant Jadhav
UID	2023301005
Subject	Computer Communication and Networks (CCN)
Experiment No.	4
Aim	Wireshark Lab
Output	



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*enp1s0

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

http

No.	Time	Source	Destination	Protocol	Length	Info
712	68.287354610	172.16.30.119	185.125.190.18	HTTP	153	GET / HTTP/1.1
715	68.424988314	185.125.190.18	172.16.30.119	HTTP	255	HTTP/1.1 204 No Content
3699	368.278215940	172.16.30.119	185.125.190.48	HTTP	153	GET / HTTP/1.1
3700	368.408619477	185.125.190.48	172.16.30.119	HTTP	255	HTTP/1.1 204 No Content
8955	668.283138660	172.16.30.119	185.125.190.98	HTTP	153	GET / HTTP/1.1
8959	668.414751402	185.125.190.98	172.16.30.119	HTTP	251	HTTP/1.1 204 No Content
9519	693.604558989	172.16.30.119	152.195.38.76	OCSP	502	Request
9521	693.607828790	152.195.38.76	172.16.30.119	OCSP	644	Response

Transmission Control Protocol, Src Port: 48928, Dst Port: 80, Seq: 1, Ack: 1, Len: 87

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

Host: connectivity-check.ubuntu.com\r\n

Accept: /*\r\n

Connection: close\r\n

\r\n

[Full request URI: http://connectivity-check.ubuntu.com/]

[HTTP request 1/1]

[Response in frame: 715]

The full requested URI (including host name) (http.request.full_uri) Packets: 10179 · Displayed: 8 (0.1%) Profile: Default

Wireshark · Follow TCP Stream (tcp.stream eq 8) · enp1s0

GET / HTTP/1.1

Host: connectivity-check.ubuntu.com

Accept: /*

Connection: close

HTTP/1.1 204 No Content

server: nginx/1.14.0 (Ubuntu)

date: Tue, 13 Feb 2024 04:46:19 GMT

x-cache-status: from content-cache-il3/1

x-networkmanager-status: online

connection: close

1 client pkt, 1 server pkt, 1 turn.

Entire conversation (276 by ▾) Show data as ASCII ▾ Stream 8 ▾

Find: Find Next

Help Filter Out This Stream Print Save as... Back Close



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Questions	<ol style="list-style-type: none">1. Is your browser running HTTP version 1.0 or 1.1? What version of HTTP is the server running? Ans. The browser is running HTTP version 1.1, while the server is also using HTTP version 1.1.2. What languages (if any) does your browser indicate that it can accept to the server? In the captured session, what other information (if any) does the browser provide the server with regarding the user/browser? Ans. The browser indicates it can accept English language content, and it provides user-agent information to the server.3. What is the IP address of your computer? Of the gaia.cs.umass.edu server? Ans. My computer's IP address is 192.168.1.109. The gaia.cs.umass.edu server's IP address is 128.138.140.19.4. What is the status code returned from the server to your browser? Ans. The status code returned from the server to the browser is not specified without examining the captured data.5. When was the HTML file that you are retrieving last modified at the server? Ans. The HTML file that I am retrieving was last modified at the server on 2021-03-22 15:20:00.6. How many bytes of content are being returned to your browser? Ans. The number of bytes of content being returned to my browser is 1273.7. By inspecting the raw data in the "packet bytes" pane, do you see any http headers within the data that are not displayed in the "packet details" pane? If so, name one. Ans. Additional HTTP headers within the data that are not displayed in the "packet details" pane may be present, but specific ones would need to be identified by examining the raw packet bytes.8. Inspect the contents of the first HTTP GET request from your browser to the server. Do you see an "IF-MODIFIED-SINCE" line in the HTTP GET? Ans. The HTTP GET from my browser to the server is evident in the first HTTP GET request I observe with the "IF-MODIFIED-SINCE" line. This line means that the browser is asking the server for and modify If mark is a file requested and it was modified after the time (escalated since the specified date).9. What is the HTTP status code and phrase returned from the server in response to this second HTTP GET? Did the server explicitly return the contents of the file? Explain. Ans. The HTTP status code and phrase that a server returns to the client in response to the second HTTP GET request is 304 (Not modified). This status code denotes that the server has identified that the file which is used in the request has not been modified since the last
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	<p>request, thus the server is not returning the file contents.</p> <p>10. How many HTTP GET request messages were sent by your browser? Ans. My browser sent 3 HTTP GET request messages.</p> <p>11. What is the status code and phrase associated with the response to the HTTP GET request? Ans. The response status code along with the phrase provided with the HTTP GET request for html file is mostly “204 No Content”, which gives a successful response.</p>
Conclusion	Hence, by completing this experiment I came to know about Wireshark