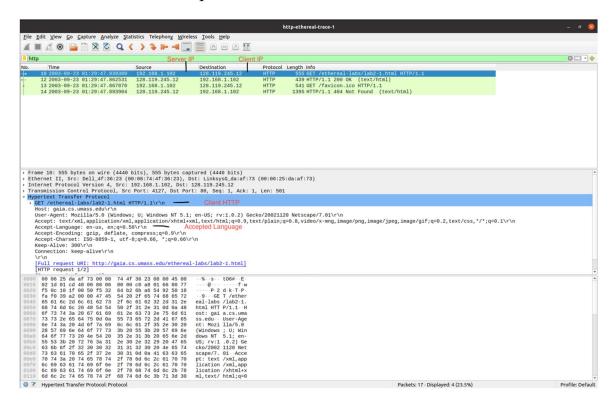
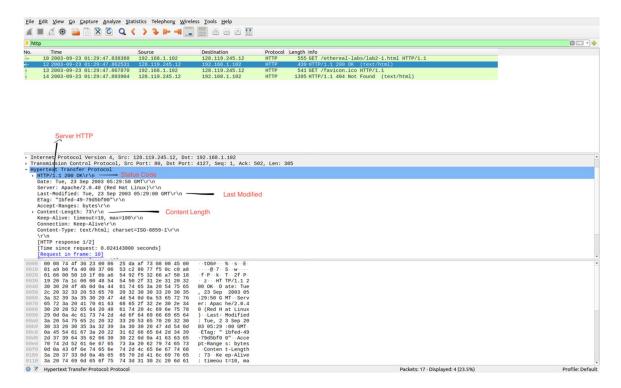
## **COMPUTER NETWORKS LAB2**

# Achintya Bhavaraju SE20UARI020

1. The Basic HTTP GET/response interaction



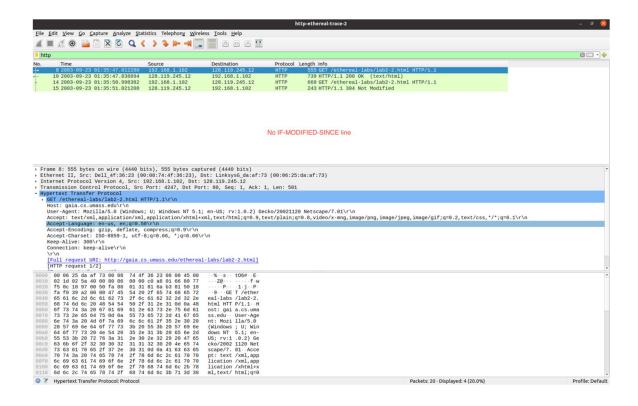


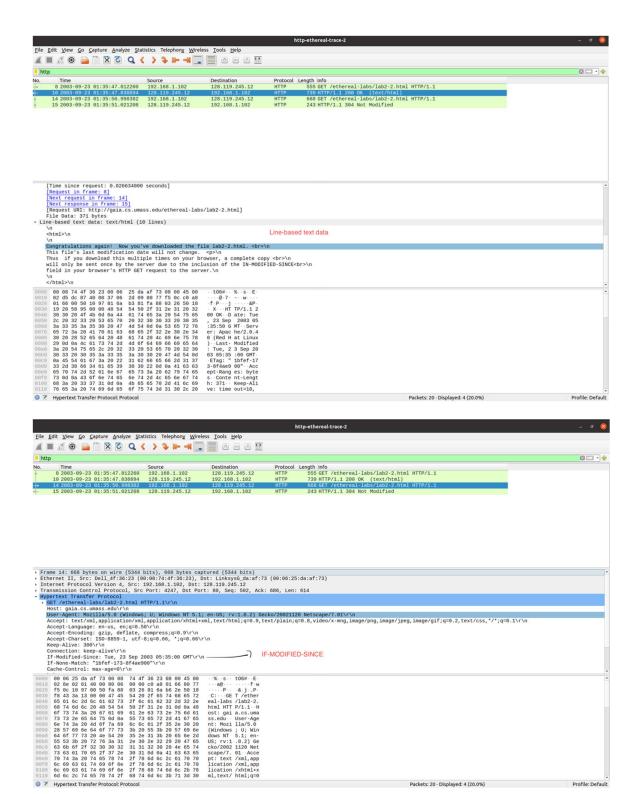
- Q1) My browser on HTTP/1.1 and server is also running HTTP/1.1
- Q2)The browser can accept en-US
- Q3)IP Address of my computer 128.119.245.12

IP Address of gaia Server 172.16.98.128

- Q4)Status Code 200 : OK (passed)
- Q5) Last Modified Tue, 23 September 2003 05:29:00 GMT (old document)
- Q6)73 Bytes
- Q7) No headers present

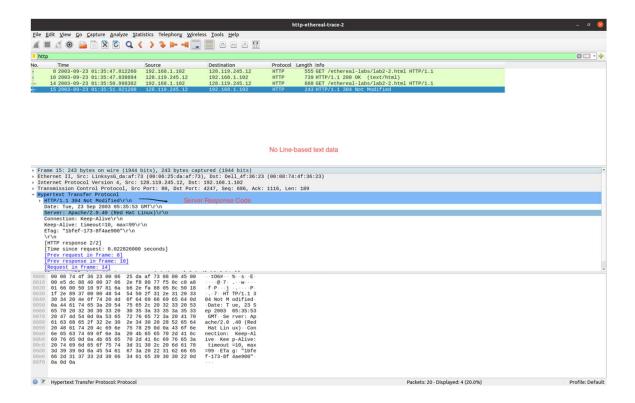
### 2. The HTTP CONDITIONAL GET/response interaction





Packets: 20 · Displayed: 4 (20.0%)

Profile: Default



- Q8) No I do not see and IF-MODIFIED-SINCE line
- Q9) Yes and I can tell because of the Line-based text data field
- Q10) Yes, I see an IF-MODIFIED-SINCE line in the second HTTP GET. IF-MODIFIED-SINCE: Tue, 23 Sep 2003 05:35:00 GMT
- Q11) Status Code in 2<sup>nd</sup> HTTP GET 304 Not Modified

  No, the server did not return the contents of the file since it already exists in the cache

#### 3. Retrieving Long Documents

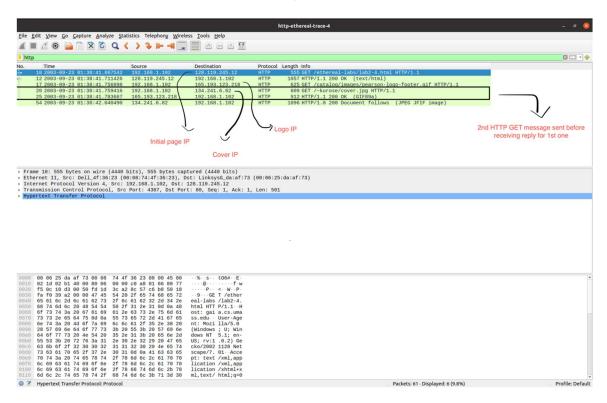


Q12) The browser sent only 1 HTTP GET message

The packet number -8

- Q13) The packet number <u>14</u> which contains the status code and phrase associated with the response to the HTTP GET request
- Q14)Status code and phrase 200 OK
- Q15) The data was sent in 4 TCP segments

## 4. HTML Documents with Embedded Objects



Q16) The browser sent 3 HTTP GET messages

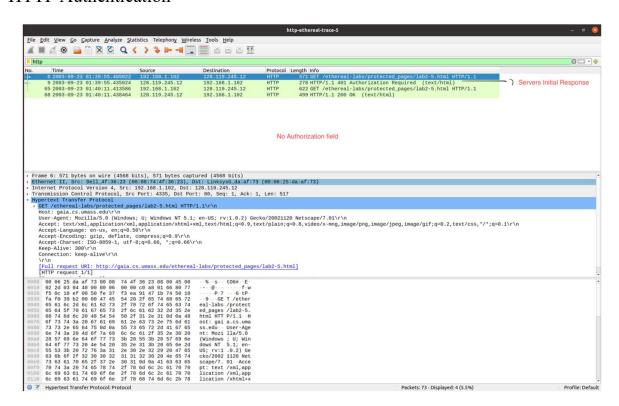
Initial Page address: 128.119.245.12

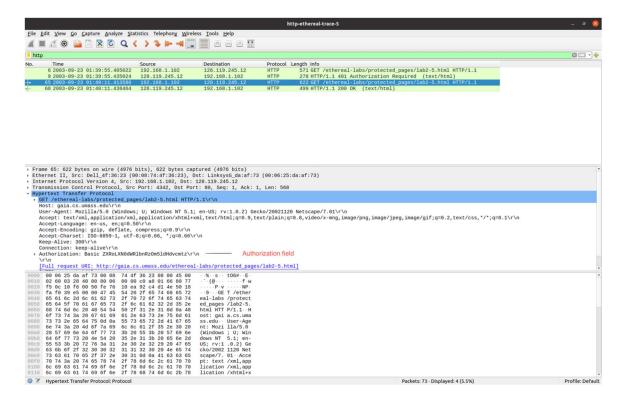
Pearson Logo: 165.193.123.218

Cover: 134.241.6.82

Q17) The downloads occurred in parallel. The 2<sup>nd</sup> HTTP GET messages was sent before the reply for the 1<sup>st</sup> image was received

#### 5. HTTP Authentication





- Q18) The servers initial response was 401 Authorization Required
- Q19) The new field in the 2<sup>nd</sup> HTTP GET message is Authorization