CN-Activity-02 (Aniruddha Mukherjee-2205533)

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> Activity-02: Capture and Analyze HTTP
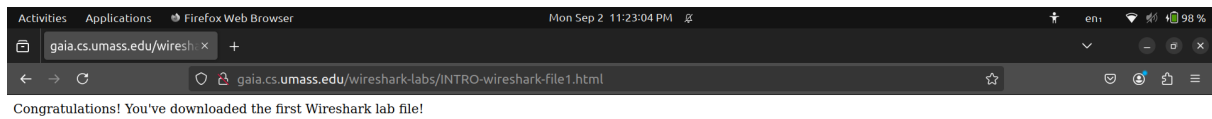
> 1. Start a Wireshark capture for "http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html".

```
sudo wireshark
```

Click `wlp0s20f3` to capture wireless packets.

Navigate to Firefox and enter the site url i.e.

`http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html`

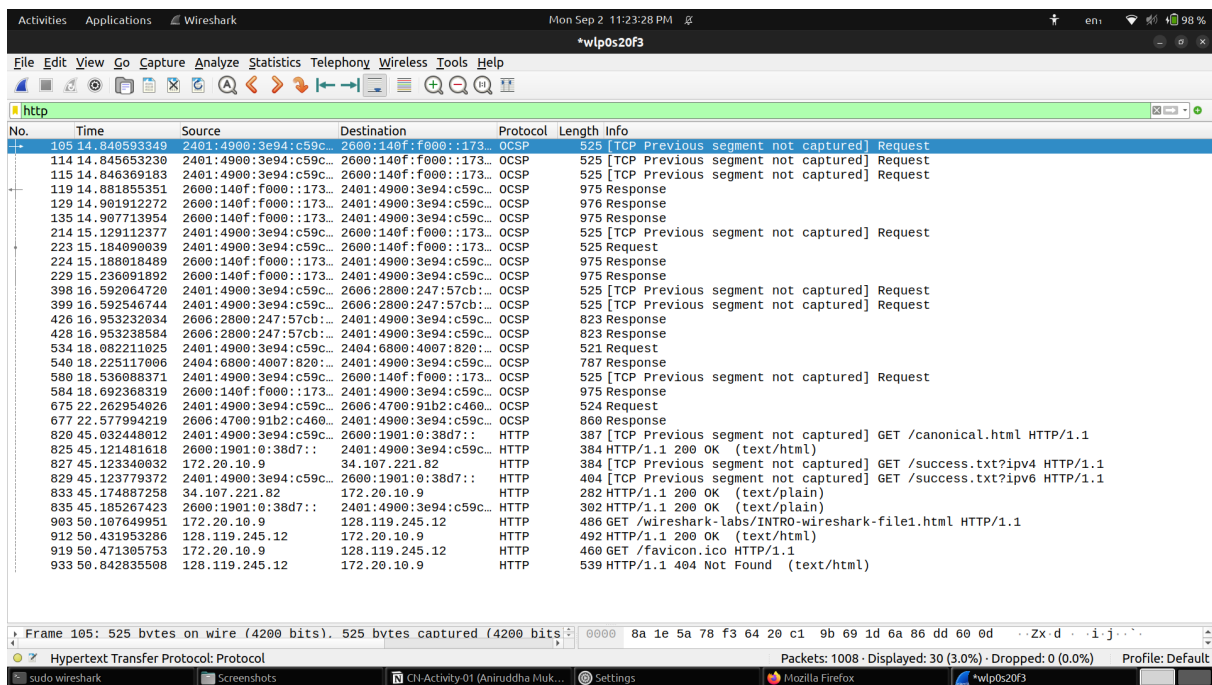Congratulations! You've downloaded the first Wireshark lab file!
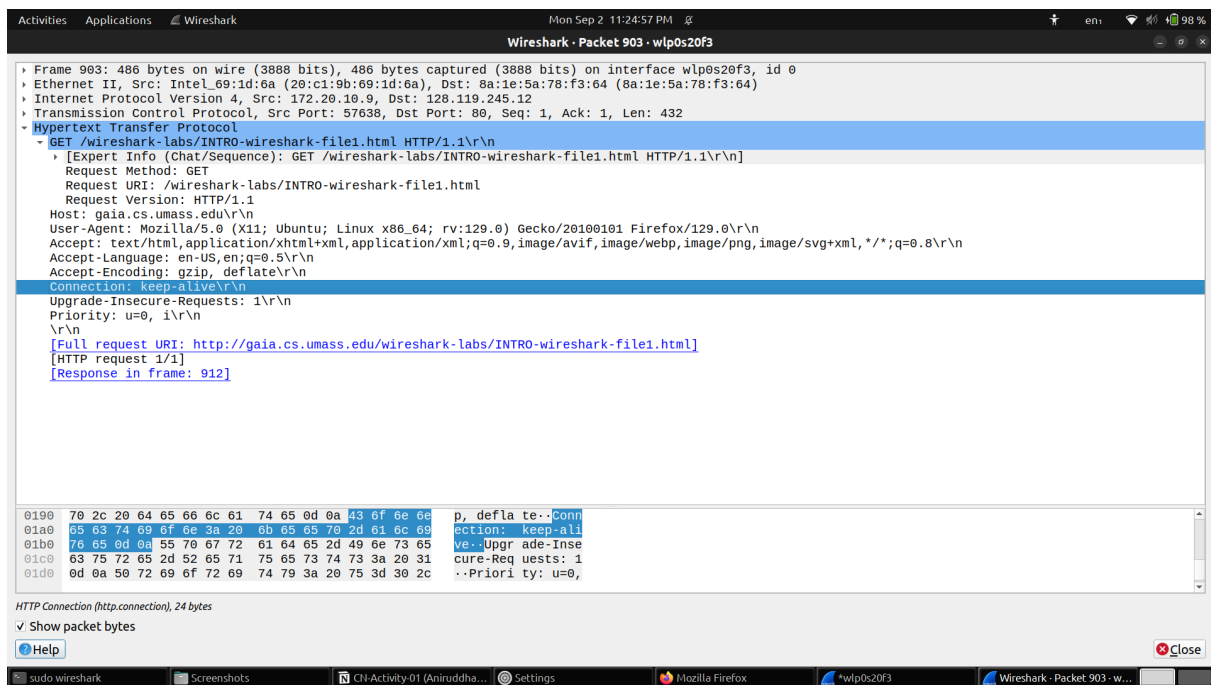
Stop wireshark

2. Mention the filter string used for listing all http traffic?

The string used to filter is: `http`

3. Select one the message from the filtered traffic and check whether the selected message is a http request or response message?

4. Findout the http version, connection type (i.e. persistent or non-persistent) in the selected message.

This is a HTTP request. This is because the "Request Method" is GET as seen in the screenshot.

As is visible in the "Request version" field, the HTTP version if `1.1`.

The Connection is `persistent` this is because of the `Connection: keep-alive\r\n` as is visible in the screenshot.

> 5. Select one http response message from the filtered traffic and find out the length and type of the entity body in the http response message.

Selecting the HTTP response message:
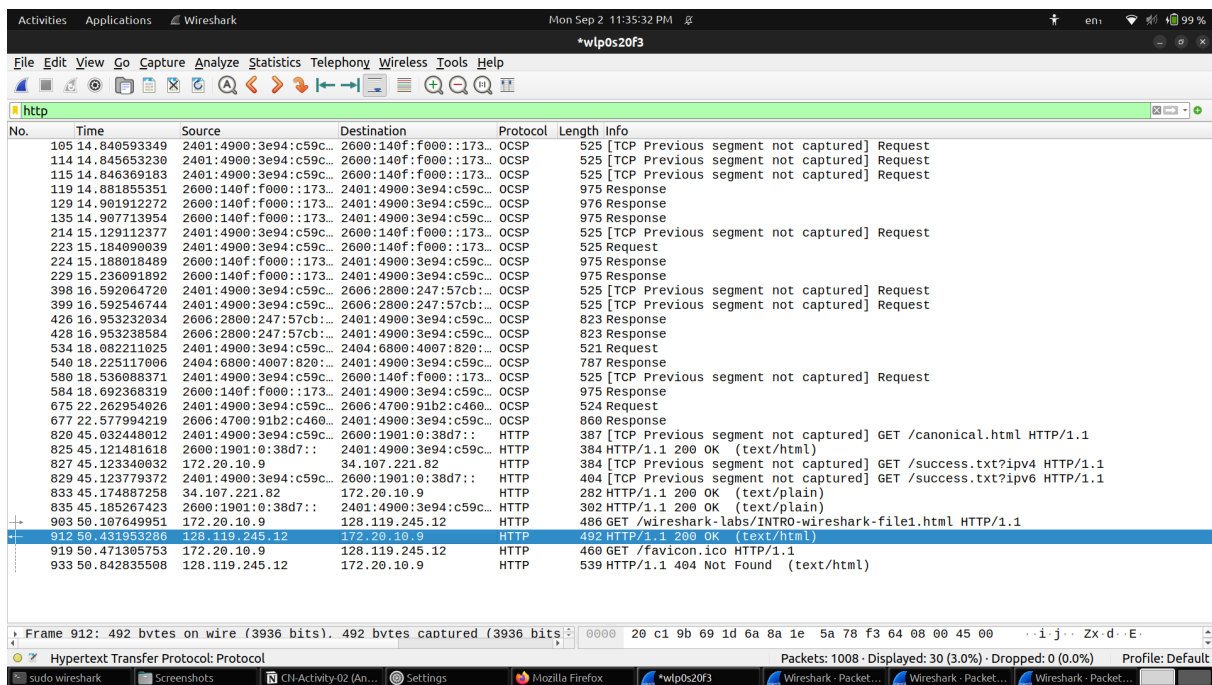
Info about that packet:
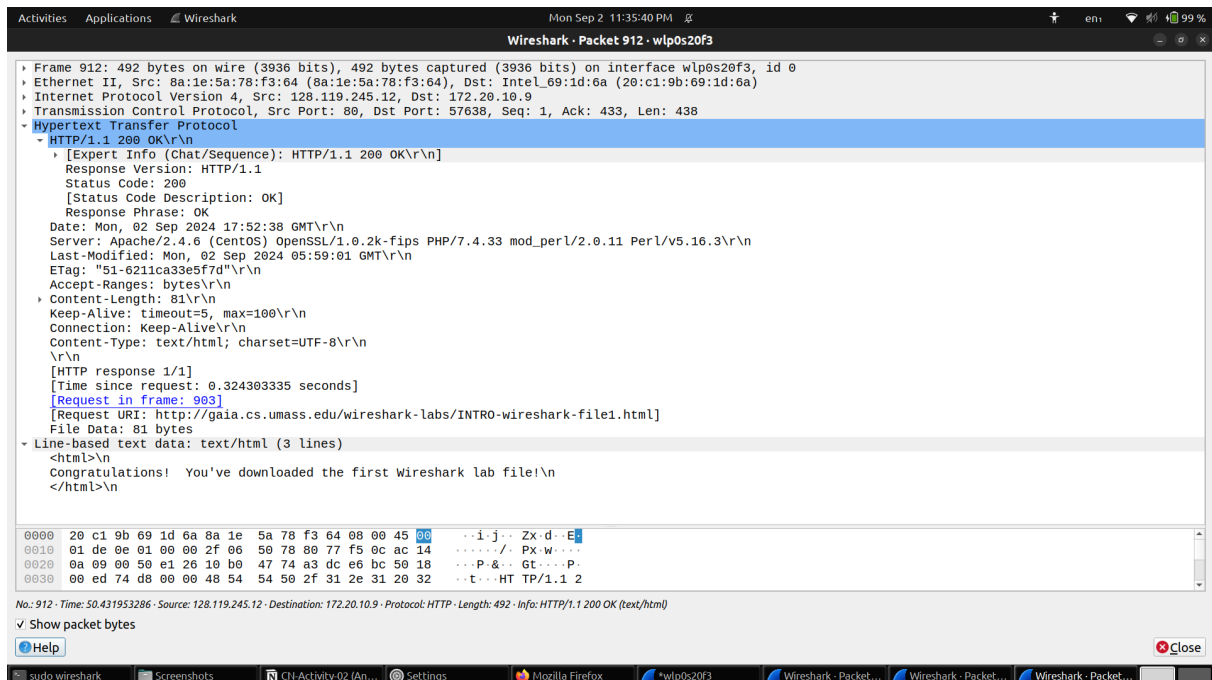
Accept-Ranges: bytes\r\n

Content-Length: 81\r\n bytes

Content-Type: text/html\r\n