

Experiment 1

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Branch: CSE

Semester: 5th

Subject Name: Web and mobile Security Lab

UID: 20BCS9285

Section/Group: 615/B

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Subject Code: 20CSP-338

1. Aim/Overview of the practical:

Open any website on computer system and identify http packet on monitoring tool like Wireshark.

2. Task to be done/ Which logistics used:

Objective: To analyse Http traffic.

Software/Hardware Requirements:

Windows 7 & above version

Wireshark Packet Sniffer and Packet Capture Library Microsoft Word.

Win Zip as necessary

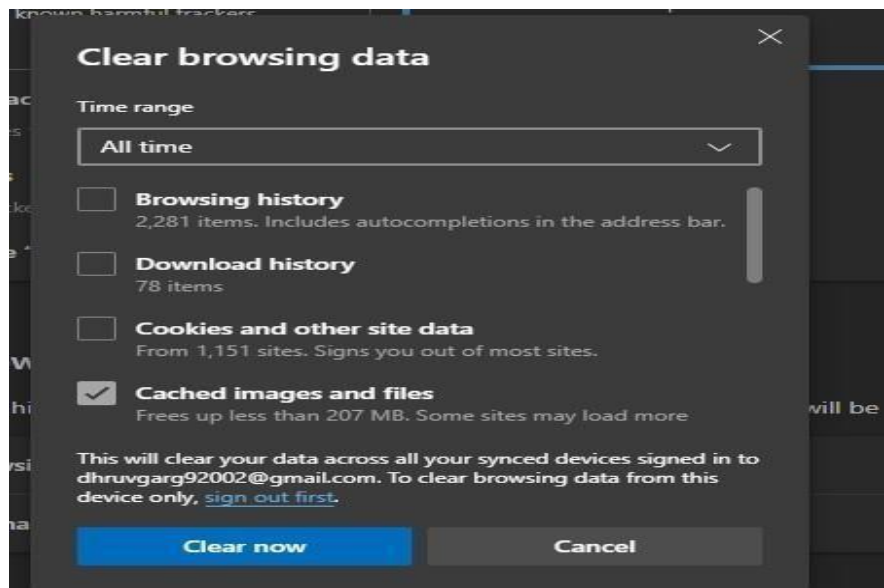
3. Steps for experiment/practical/Code:

1. [Install Wireshark.](#)
2. Open your Internet browser.
3. Clear your browser cache.
4. Open Wireshark
5. Click on "**Capture > Interfaces**". A pop-up window will display.
6. You'll want to capture traffic that goes through your ethernet driver. Click on the **Start** button to capture traffic via this interface.
7. Visit the URL that you wanted to capture the traffic from.
8. Go back to your Wireshark screen and **press Ctrl + E** to stop capturing.

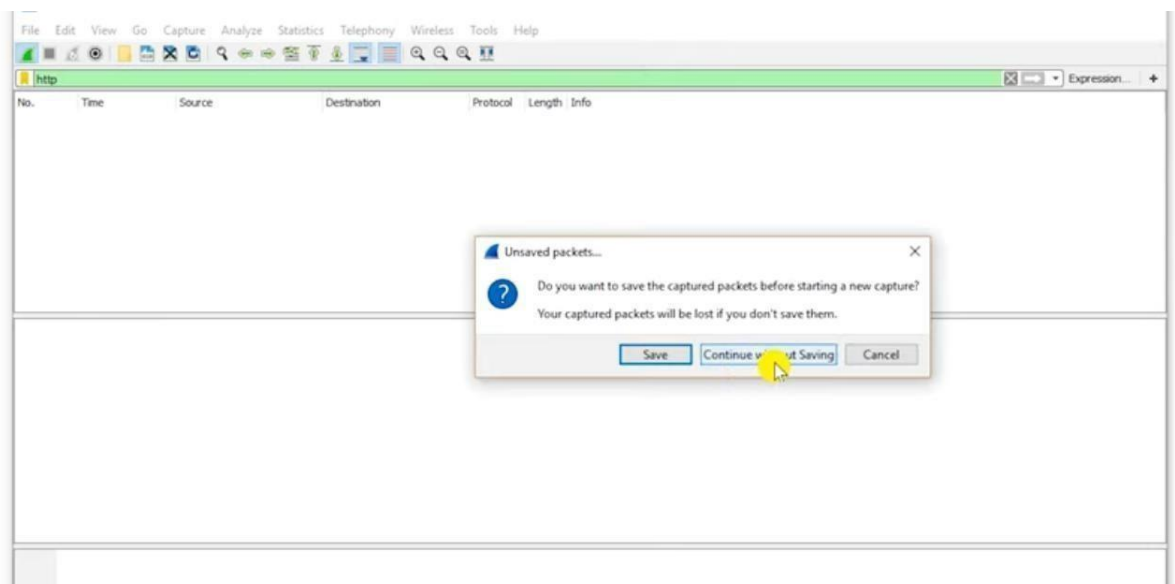
9. After the traffic capture is stopped, please save the captured traffic into a ***.pcap** format file and attach it to your support ticket.

4. Result/Output/Writing Summary:

1) Clear the browser data



2) Open wireshark

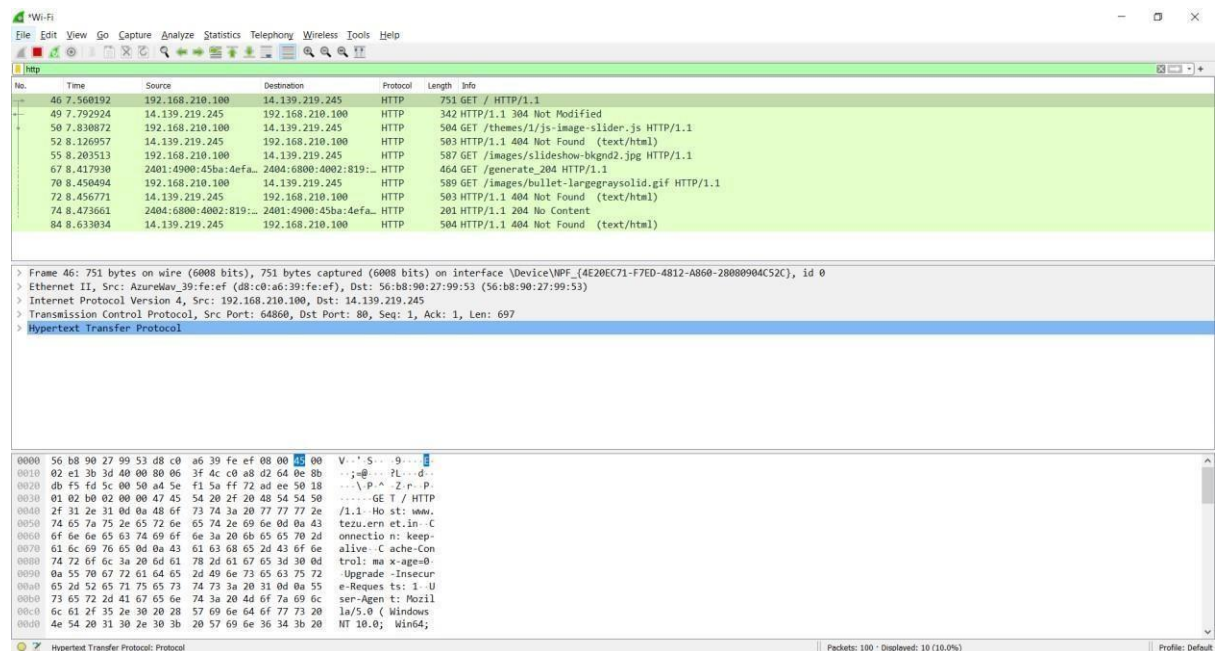


3) Open link


<http://www.tezu.ernet.in/>




4) You can see there is http version and request is going



5) *Login to Tezpur university site*



TEZPUR UNIVERSITY
Napaam, Sonitpur
Assam-784008, INDIA

USER NAME 

Chahat

PASSWORD

[GET A PASSWORD](#) [LOGIN](#)

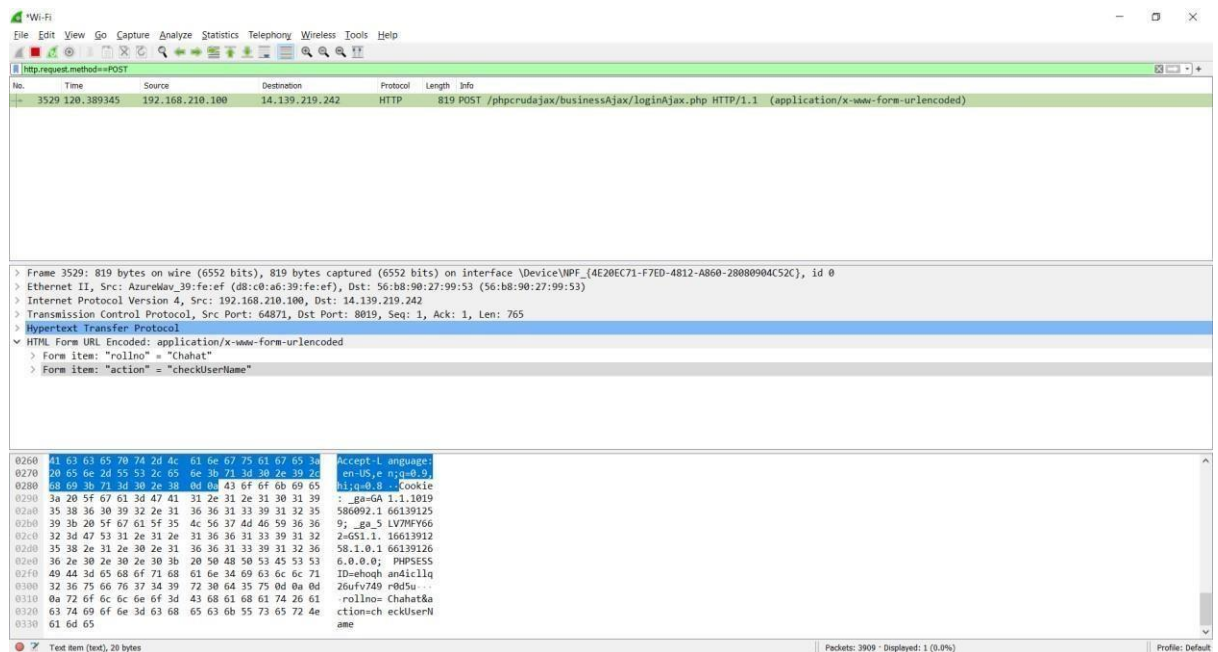
Dear students, if you are a first time user, click on GET A PASSWORD button. It will lead you to an OTP based password generator.

If you forgot your password then also click on GET A PASSWORD button to get a fresh password.

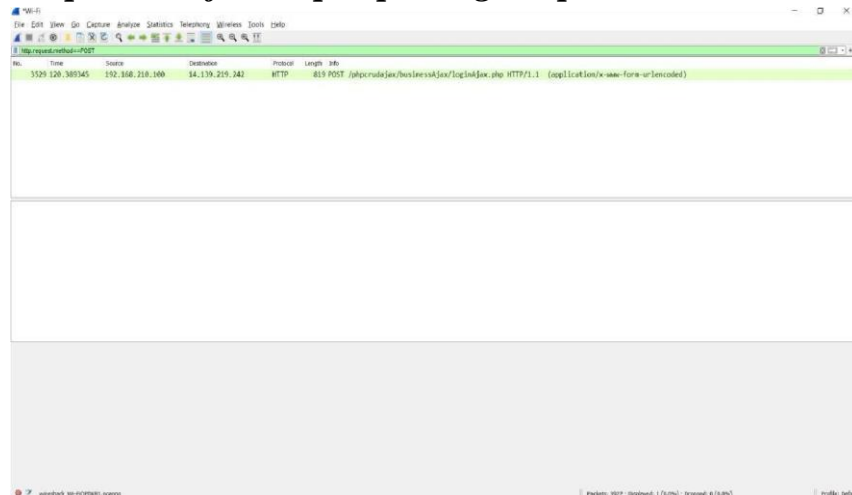
Once you have a password, use your roll number as the user name. Enter the right password. Click on LOGIN.

6) *Make http post request*

`http.request.method==POST`



7) You can save the packets after stop capturing the packets



Learning outcomes (What I have learnt):

1. Learn how to identify requests (from client) and response packets
2. Observe how a larger file is sent in multiple segments Observe multi-file (e.g., web page with image) request/response behaviour.
3. Observe request/response behaviour for a page that needs authentication.

4. Observe single small file (e.g., simple html file) request/response behaviour and the request/response behaviour for a file that has already been received.
5. Find HTTP version, response code/phrase, requested file (including size).

Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.			
2.			
3.			