Lab 2 - Wireshark Part 2

- This is an individual assignment, and worth 5 points.
- The due date is Friday midnight (10/11). It will be graded as pass/fail (5 or 0 points).
- Change the file name following the naming convention (e.g., Lab2-AhS.docx).

Open the file "**LittlePrince_ghi.pcap**" with **WireShark** and answer the following questions. You may want to use **NetworkMiner** for a summary of the analyses.

You can install **NetworkMiner** after unzipping the file and clicking on *.exe.
Download: https://www.netresec.com/?page=Networkminer

1. How many DNS queries (not query response) were made?
   2

2. How many TCP streams were created in this file?
   6

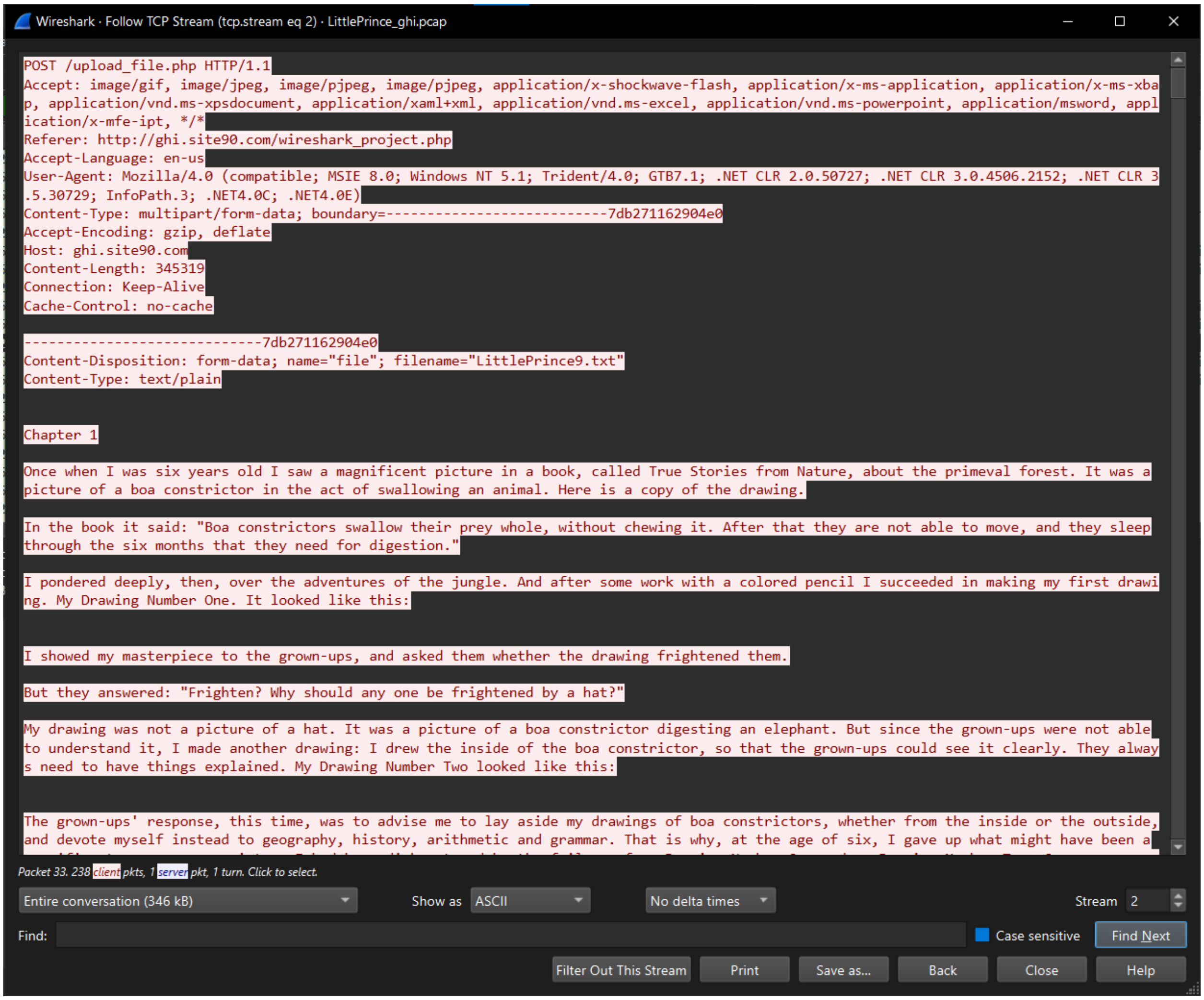
3. What are the first and last frame numbers involved in uploading "LittlePrince.txt"?
   33 – 382 (for the file upload. The first client SYN was on frame 30 and the server acknowledgement ends on frame 407)

4. How many TCP segments were used in uploading "LittlePrince.txt"?
   377 packets were used in uploading the document.

5. What is the host name where "LittlePrince.txt" was uploaded to?
   ghi.site90.com

6. What are the IP addresses of the servers involved in this file?
   The file was uploaded from 192.168.1.66 (client) to 31.170.162.223 (server).

7. Follow a TCP or HTTP stream of "LittlePrince.txt" that was uploaded to the server. Screen capture part of the content of the text file.



Wireshark · Follow TCP Stream (tcp.stream eq 2) · LittlePrince_ghi.pcap

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POST /upload_file.php HTTP/1.1
Accept: image/gif, image/jpeg, image/pjpeg, image/pjpeg, application/x-shockwave-flash, application/x-ms-application, application/x-ms-xba
p, application/vnd.ms-xpsdocument, application/xaml+xml, application/vnd.ms-excel, application/vnd.ms-powerpoint, application/msword, appl
ication/x-mfe-ipt, */*
Referer: http://ghi.site90.com/wireshark_project.php
Accept-Language: en-us
User-Agent: Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0; GTB7.1; .NET CLR 2.0.50727; .NET CLR 3.0.4506.2152; .NET CLR 3
.5.30729; InfoPath.3; .NET4.0C; .NET4.0E)
Content-Type: multipart/form-data; boundary=---------------------------7db271162904e0
Accept-Encoding: gzip, deflate
Host: ghi.site90.com
Content-Length: 345319
Connection: Keep-Alive
Cache-Control: no-cache

-----------------------------7db271162904e0
Content-Disposition: form-data; name="file"; filename="LittlePrince9.txt"
Content-Type: text/plain


Chapter 1

Once when I was six years old I saw a magnificent picture in a book, called True Stories from Nature, about the primeval forest. It was a
picture of a boa constrictor in the act of swallowing an animal. Here is a copy of the drawing.

In the book it said: "Boa constrictors swallow their prey whole, without chewing it. After that they are not able to move, and they sleep
through the six months that they need for digestion."

I pondered deeply, then, over the adventures of the jungle. And after some work with a colored pencil I succeeded in making my first drawi
ng. My Drawing Number One. It looked like this:


I showed my masterpiece to the grown-ups, and asked them whether the drawing frightened them.

But they answered: "Frighten? Why should any one be frightened by a hat?"

My drawing was not a picture of a hat. It was a picture of a boa constrictor digesting an elephant. But since the grown-ups were not able
to understand it, I made another drawing: I drew the inside of the boa constrictor, so that the grown-ups could see it clearly. They alway
s need to have things explained. My Drawing Number Two looked like this:


The grown-ups' response, this time, was to advise me to lay aside my drawings of boa constrictors, whether from the inside or the outside,
and devote myself instead to geography, history, arithmetic and grammar. That is why, at the age of six, I gave up what might have been a
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Packet 33. 238 client pkts, 1 server pkt, 1 turn. Click to select.