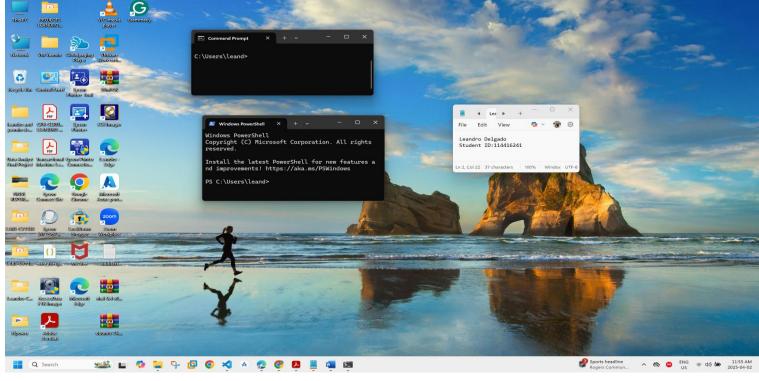
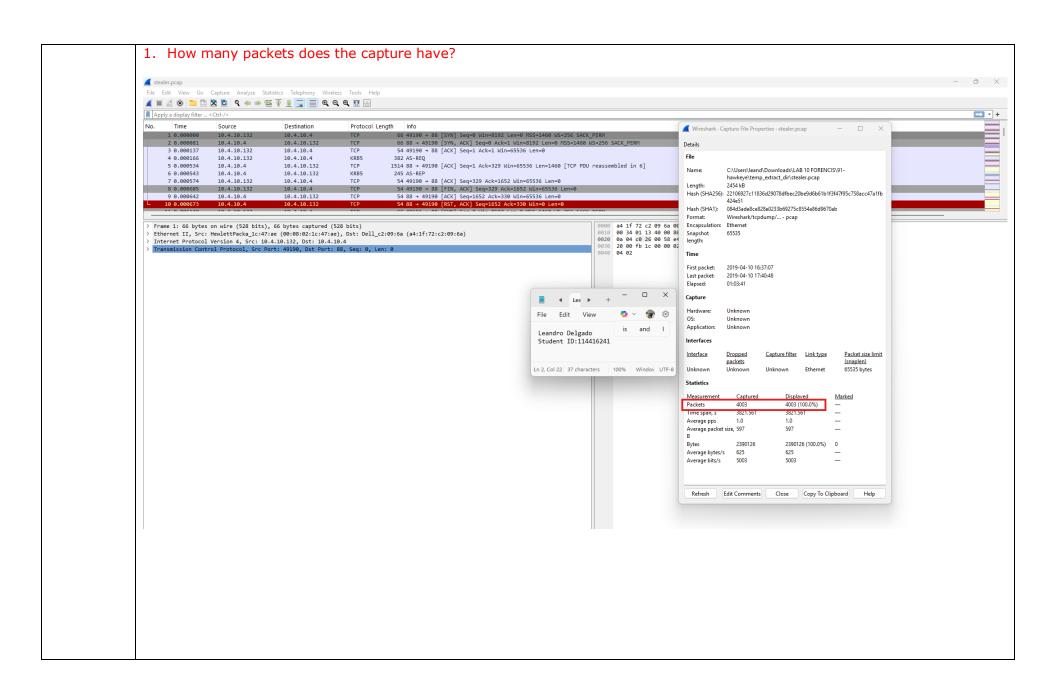
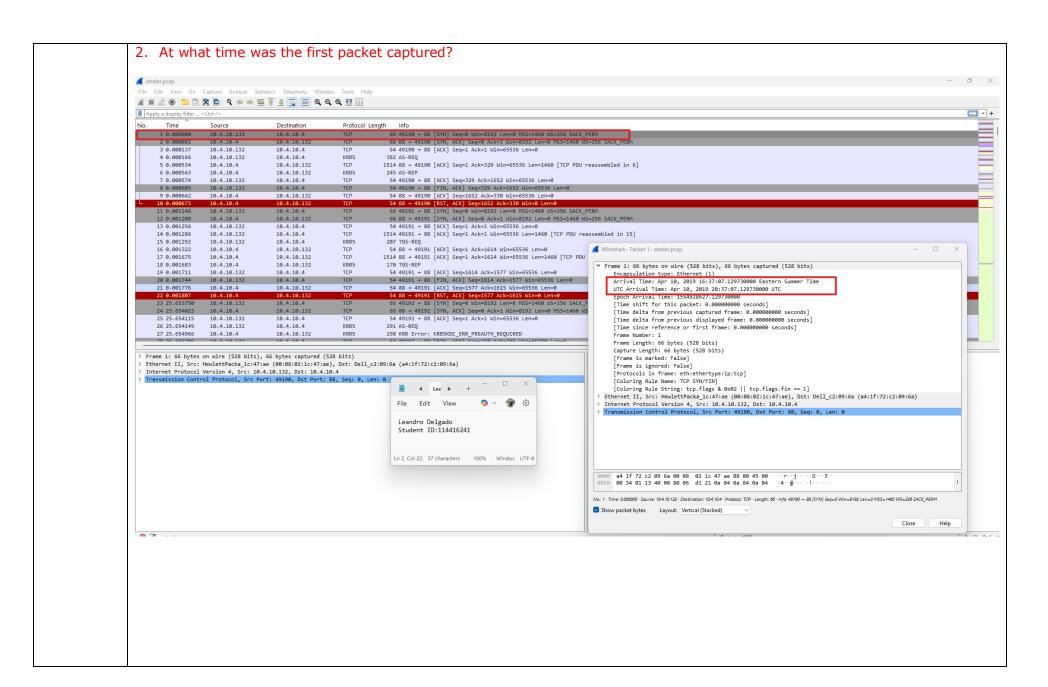
Put Student Name(s) ↓	Put Student IDs ↓	Due Date	Grade Weight	-
LEANDRO DELGADO	114416241	As Posted	6%	l

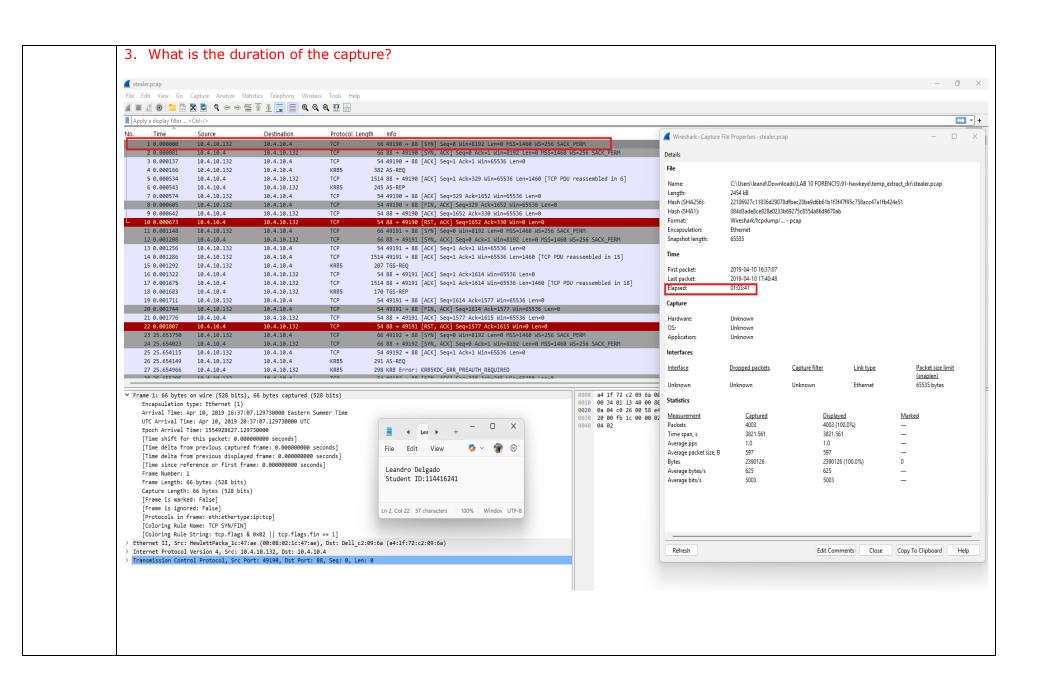
		LLANDRO DELGADO	114410241	AS FUSIEU	0.70		
Nam	ne	Lab10-HawkEye Network Forensics Challenge					
<ul> <li>It is an Individual assignment. Put your name + Student ID in the empty spaces above.</li> <li>Show your genuine signs of your work is done on your machine. This includes:         <ul> <li>Screenshots that show your desktop background with Date/Time.</li> <li>Show a pop-up bx that shows "your name + IP".</li> <li>Show your logged account when applicable. Optional: Your photo.</li> </ul> </li> <li>Submit your report name: CYT215-Lab10-Student Name &amp; ID</li> </ul>							
Challe Scena							
Challe	nae	· G					

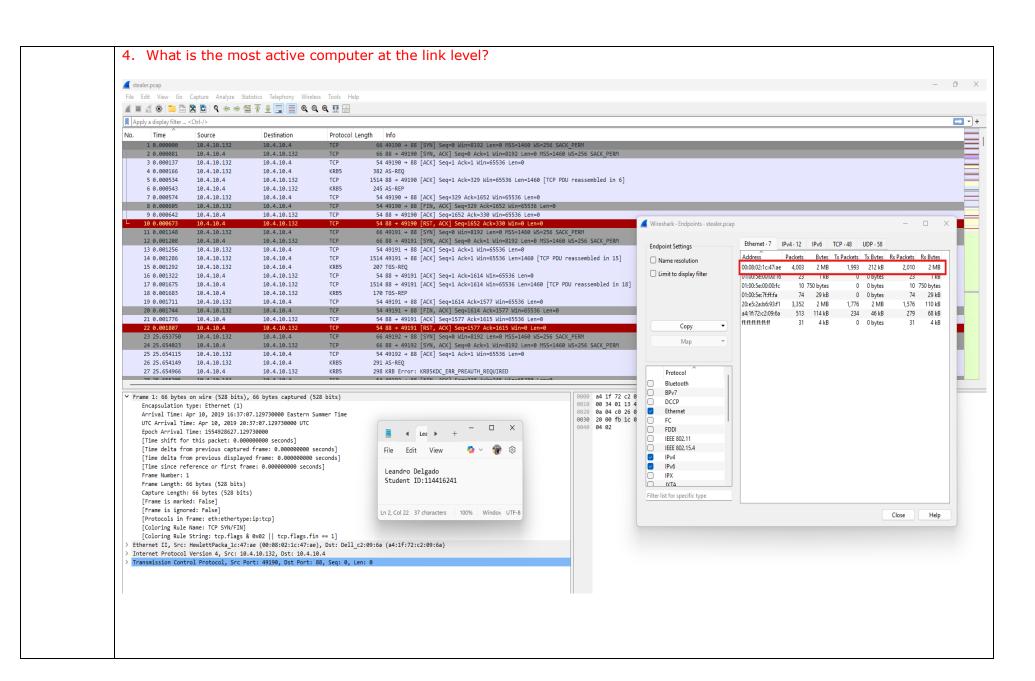
#### Challenge Questions To be Answered

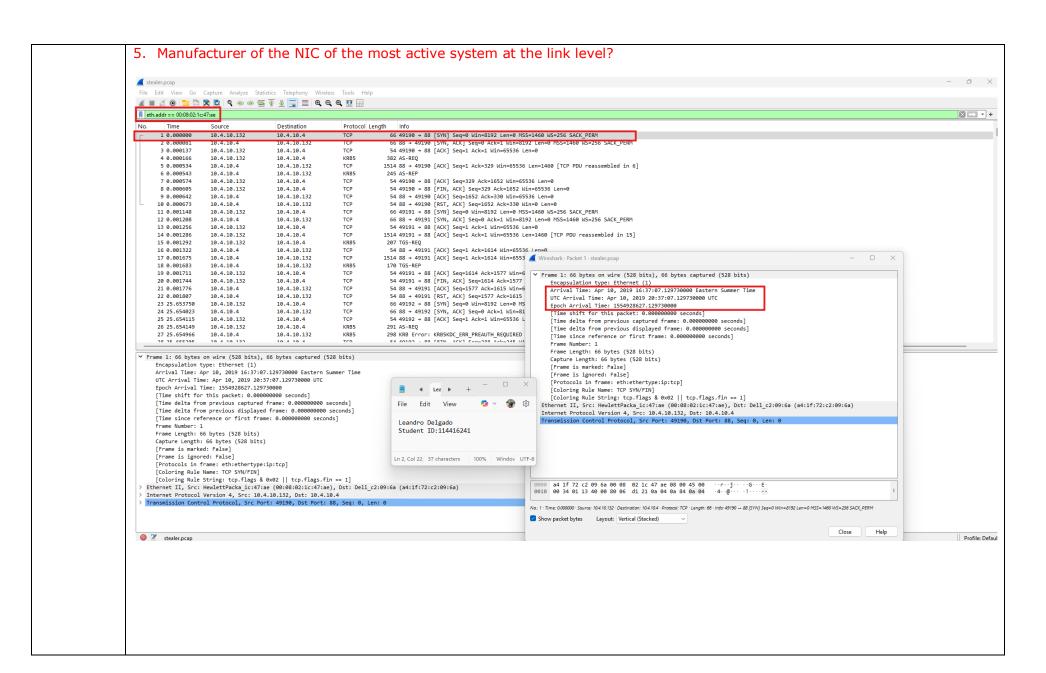




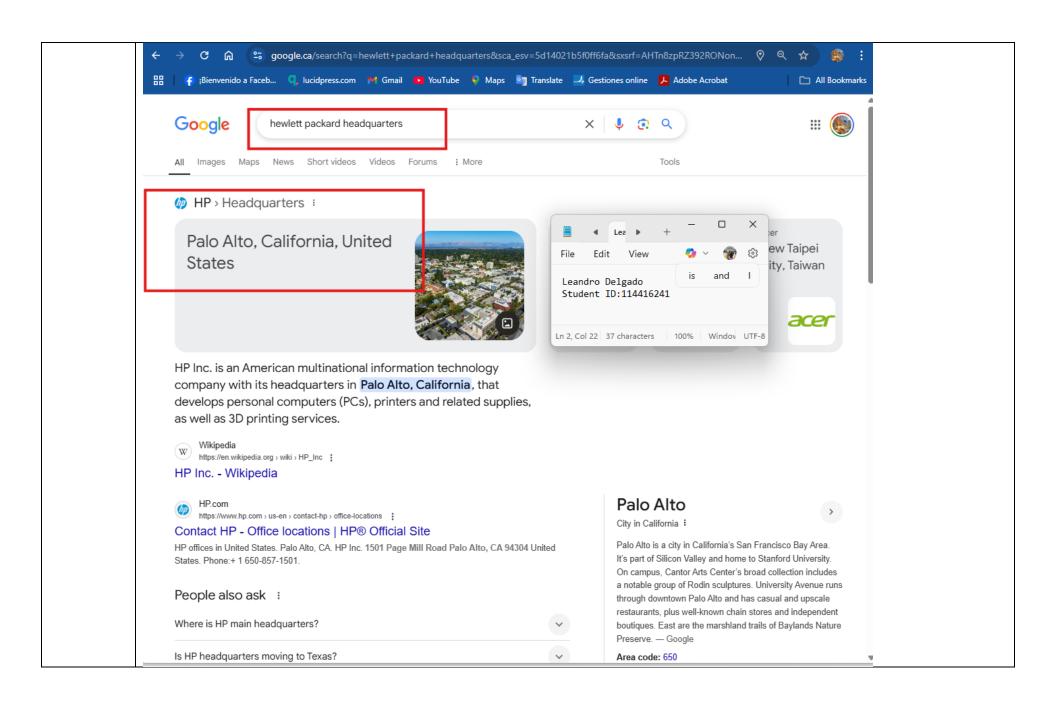


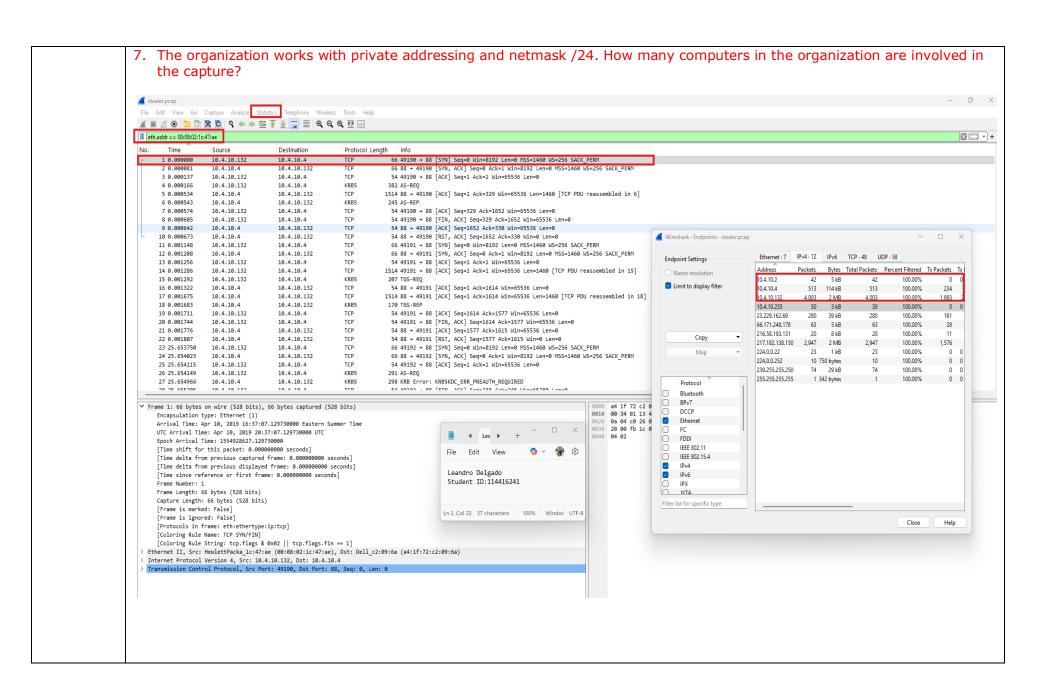


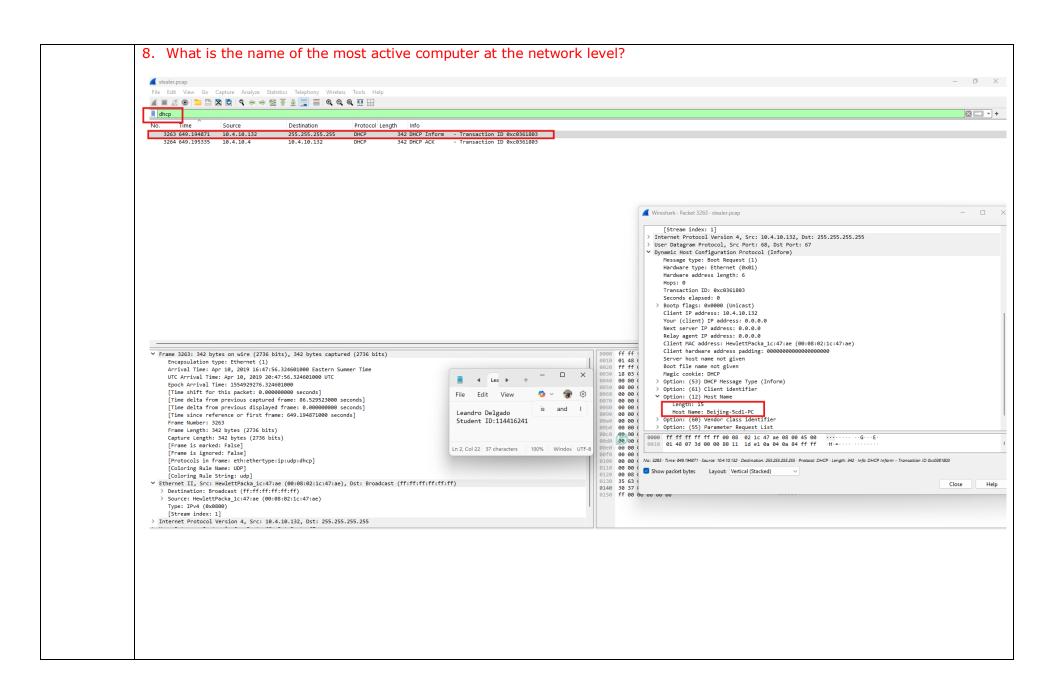


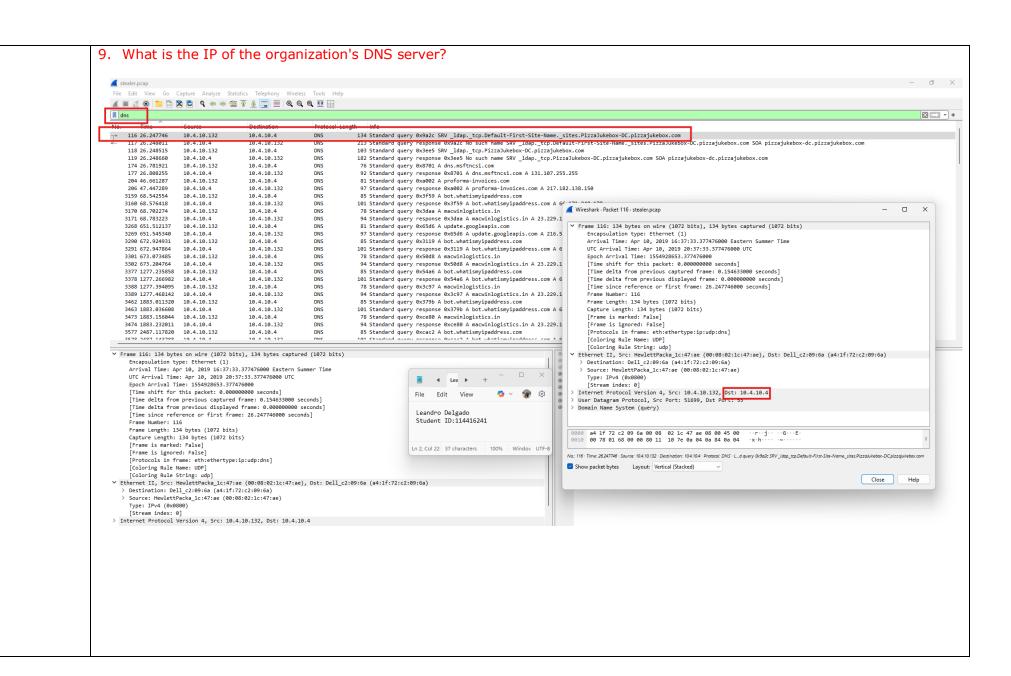


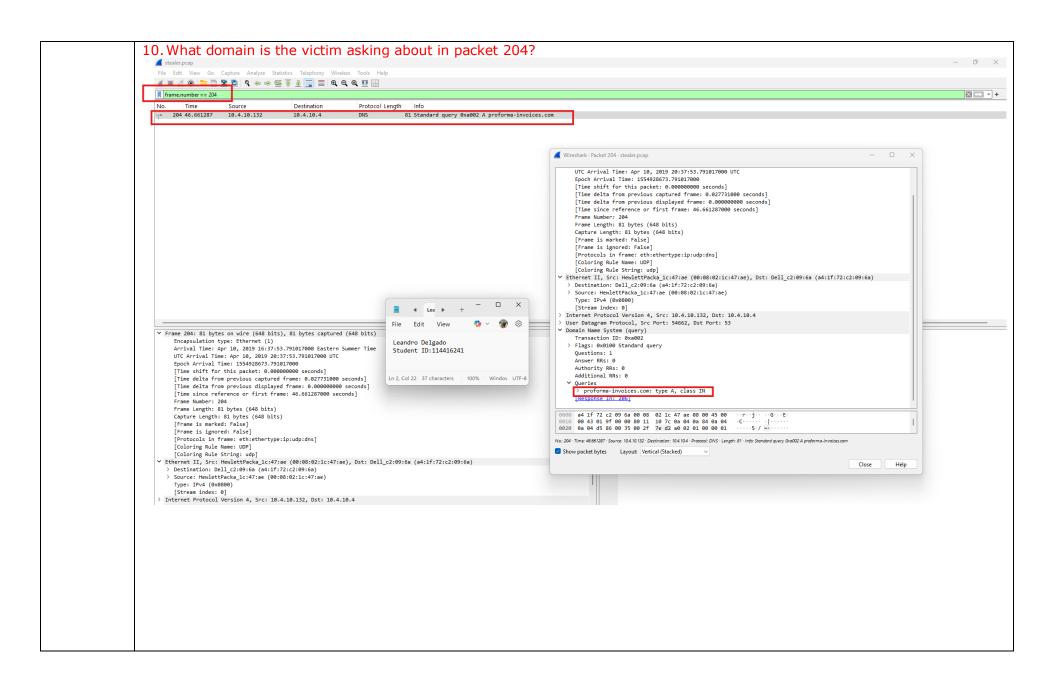
6. Where is the headqua	arter of the company that manufa	ctured the NIC of the most a	ctive computer at the link le	evel?

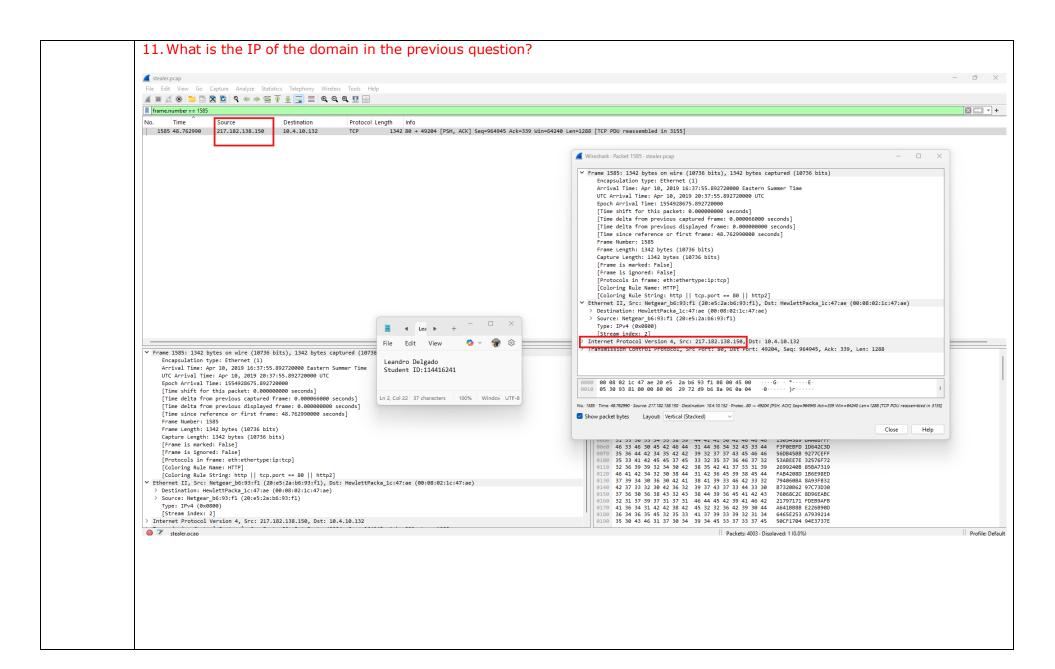


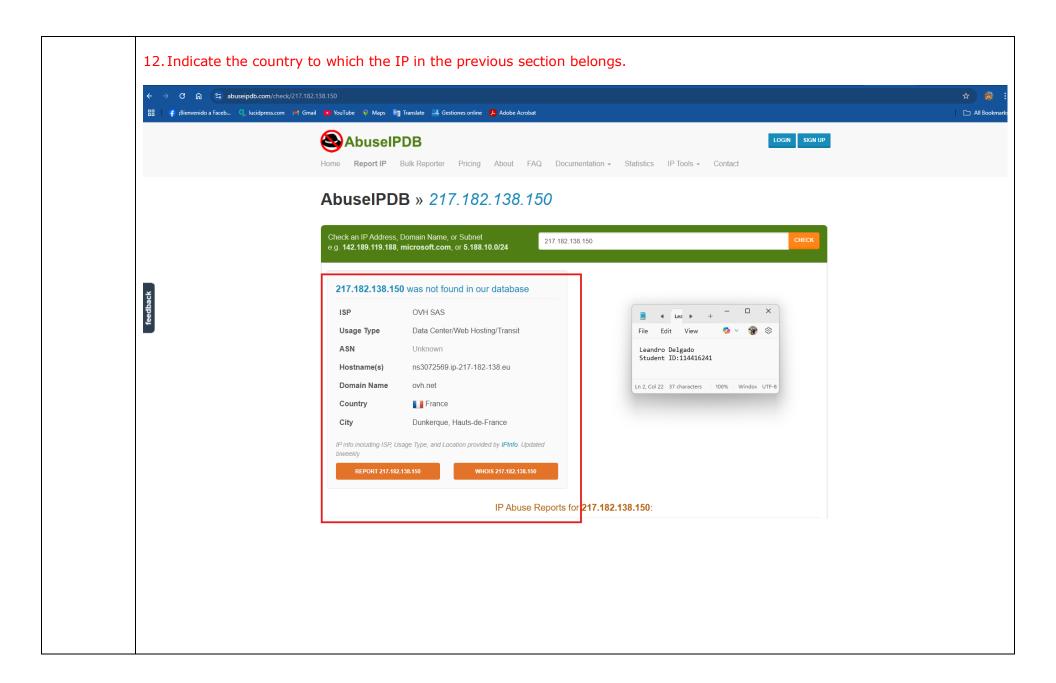


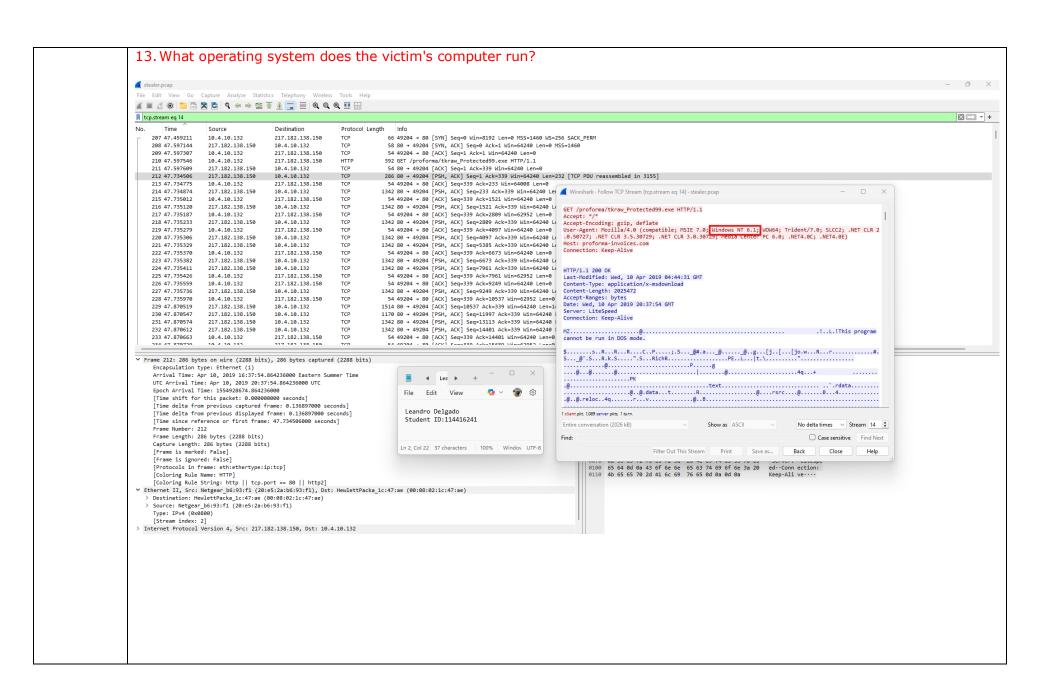


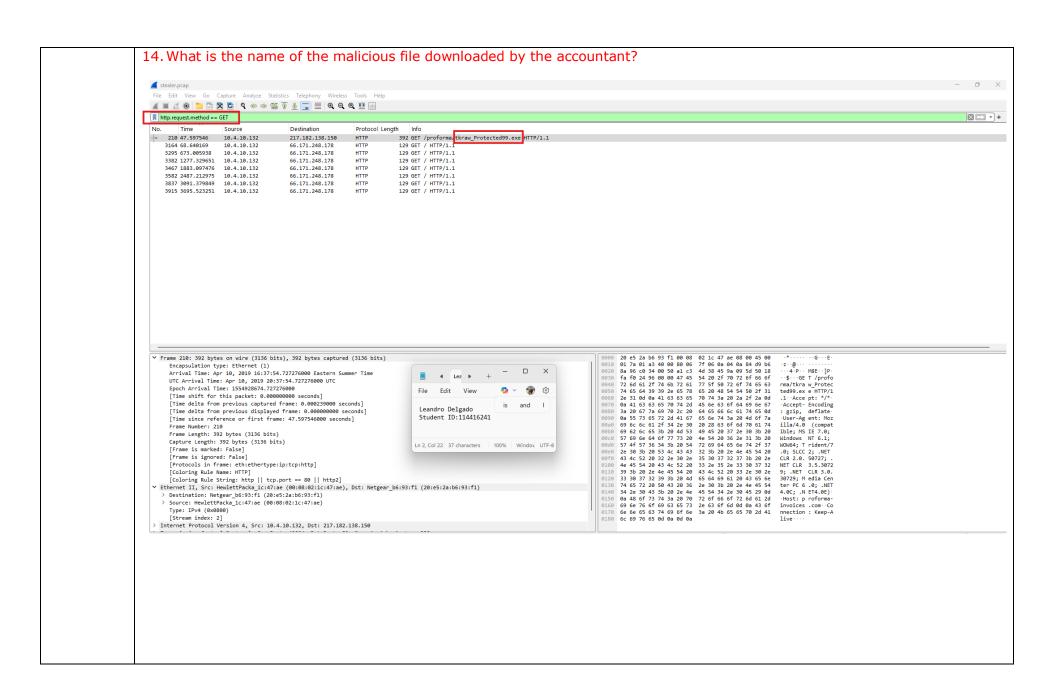


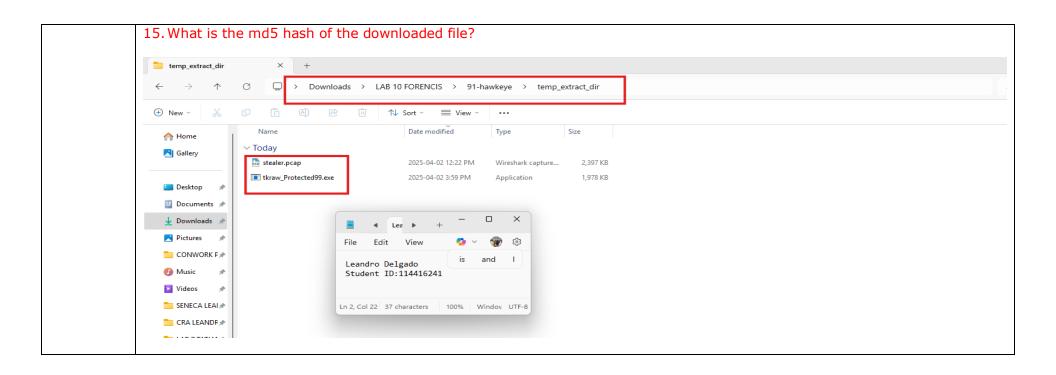


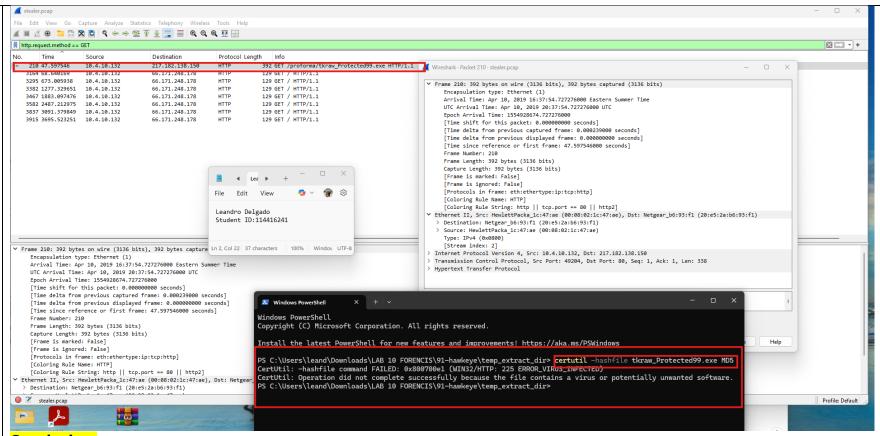






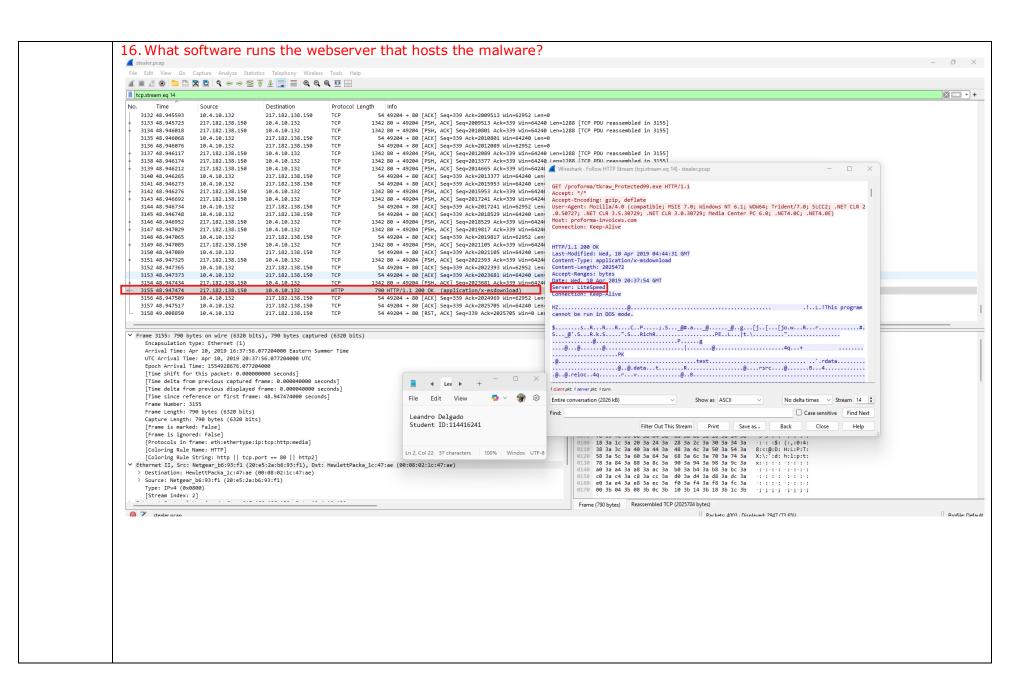


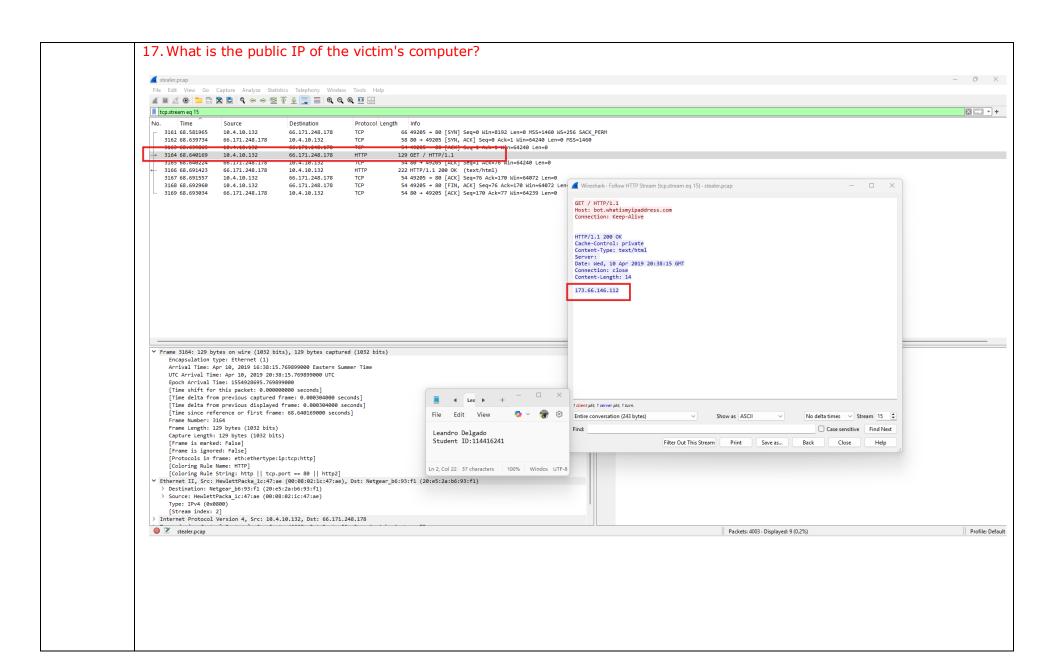


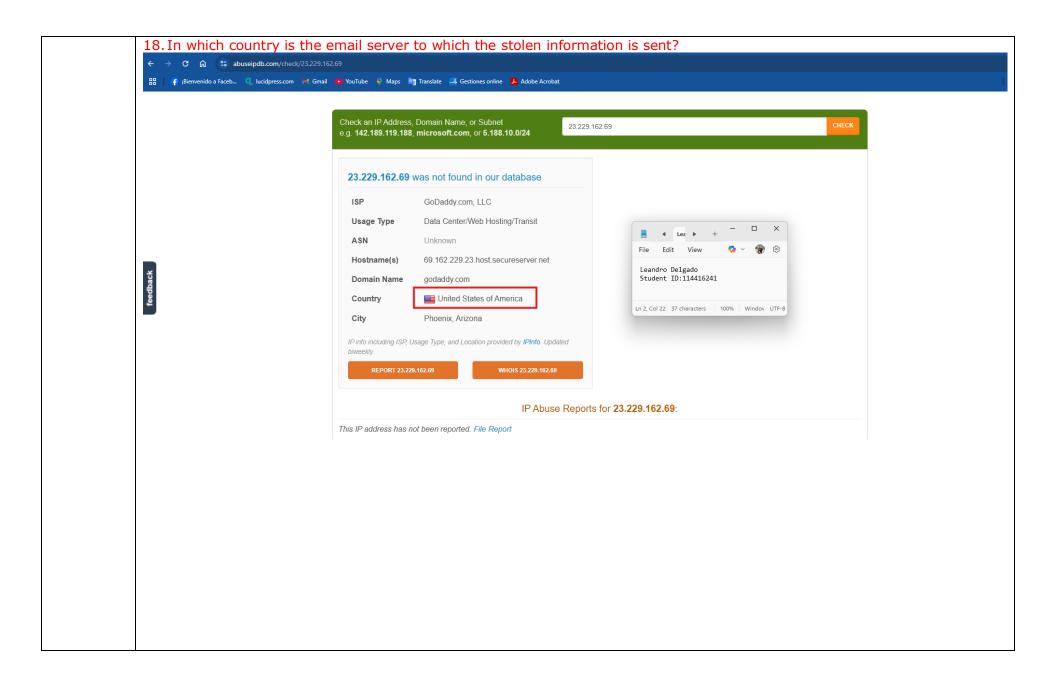


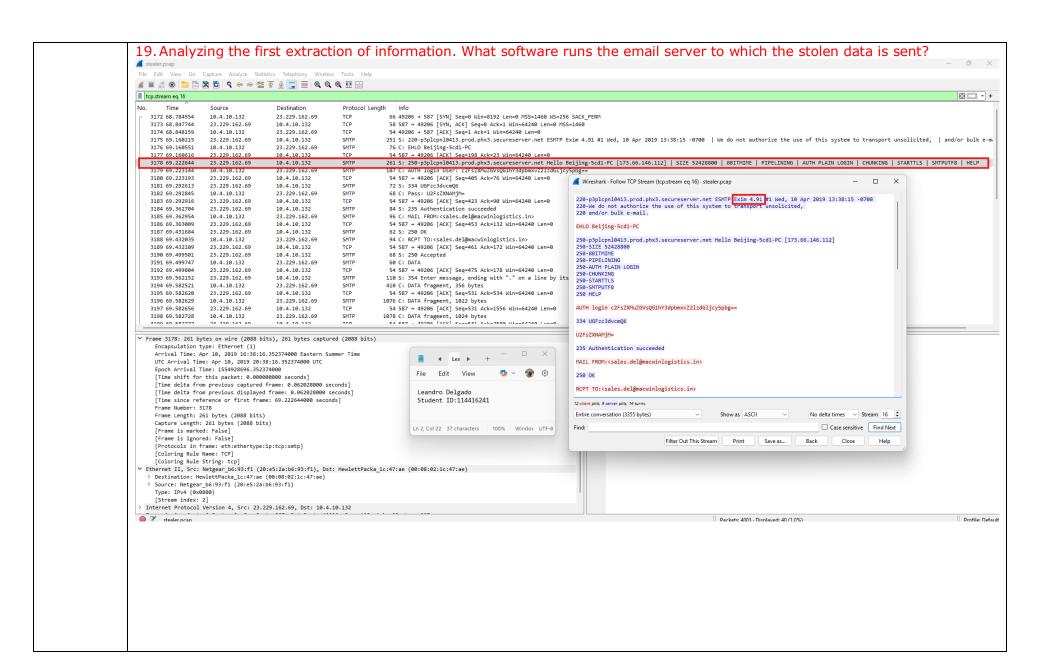
#### **Conclusion:**

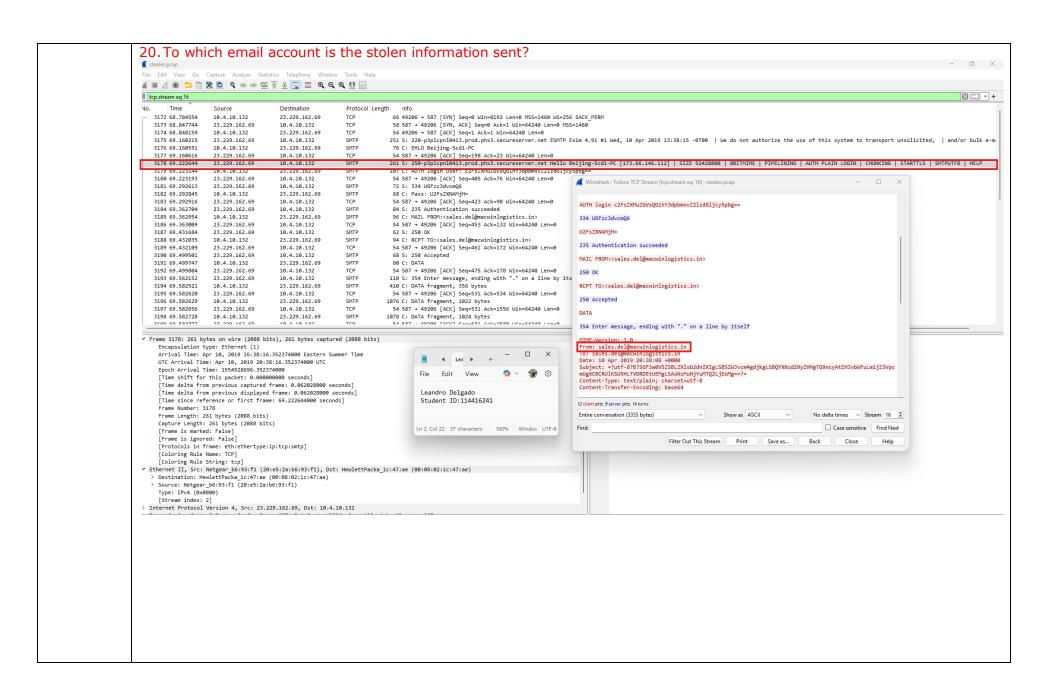
The file tkraw\_Protected99.exe is highly likely to be malicious software delivered through suspicious HTTP traffic. The host system's antivirus reacted by preventing further analysis, reinforcing the assumption that the file is a threat. This incident highlights the importance of monitoring and analyzing unsecured HTTP traffic in network environments.

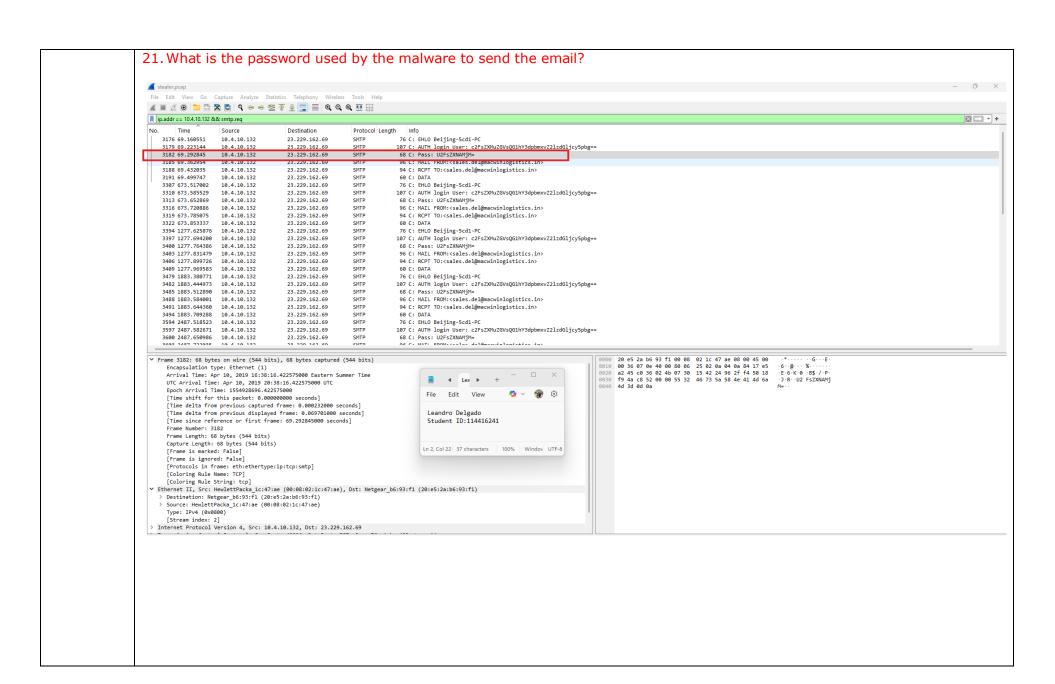


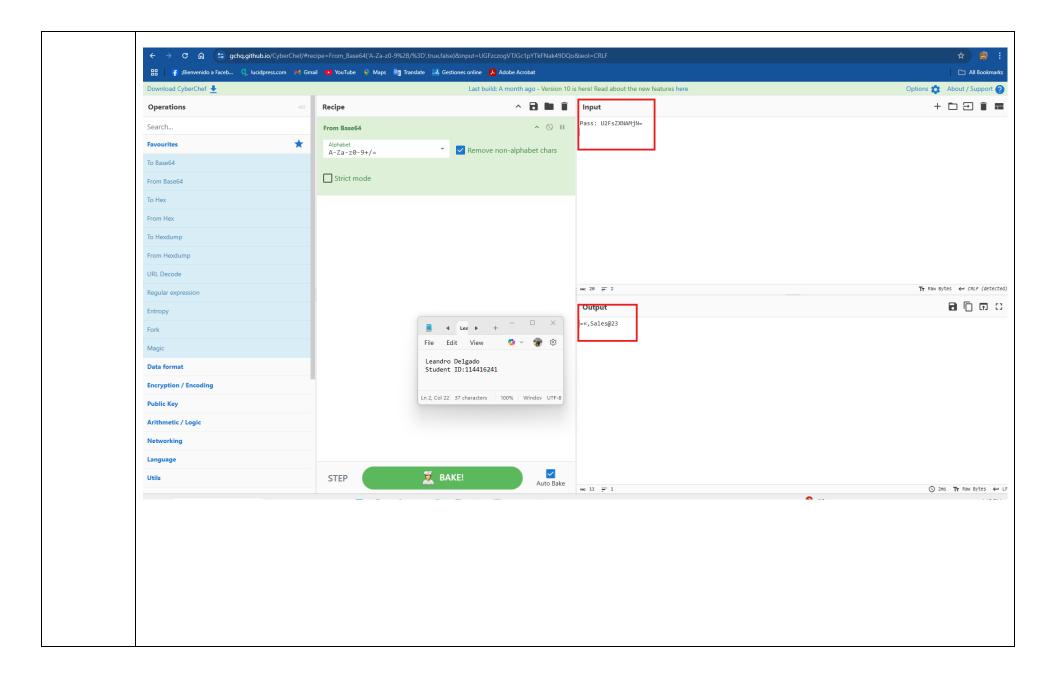


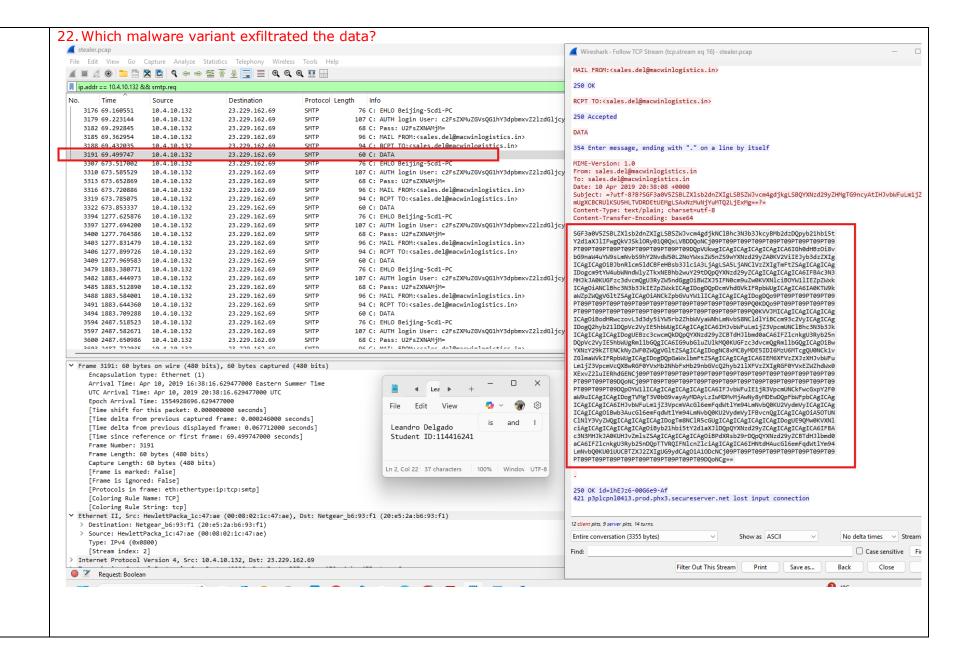


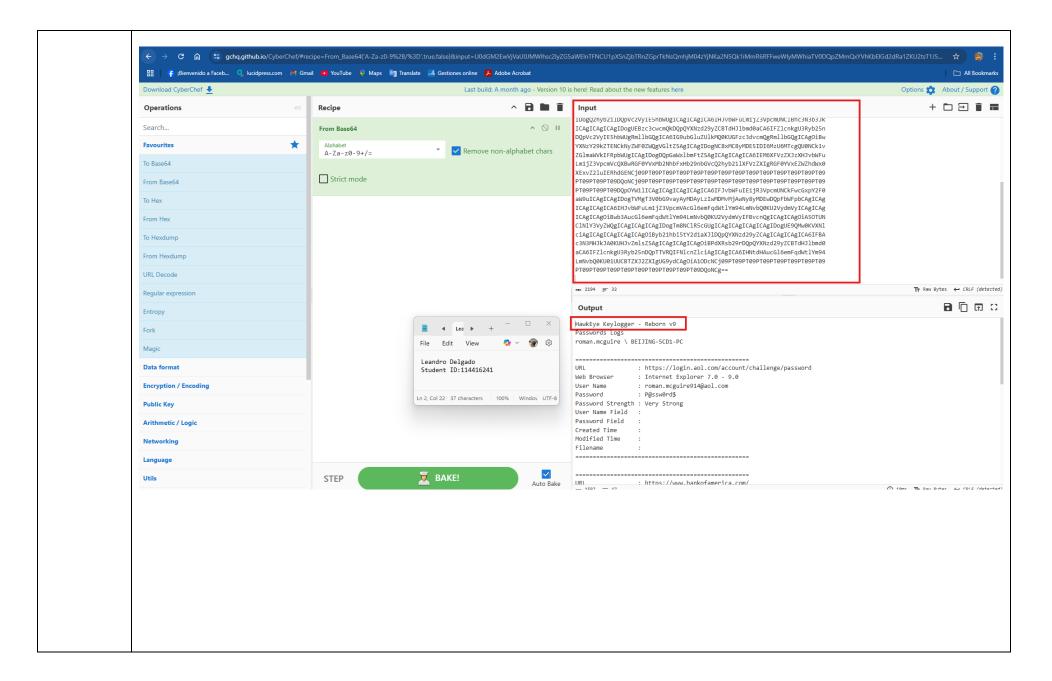


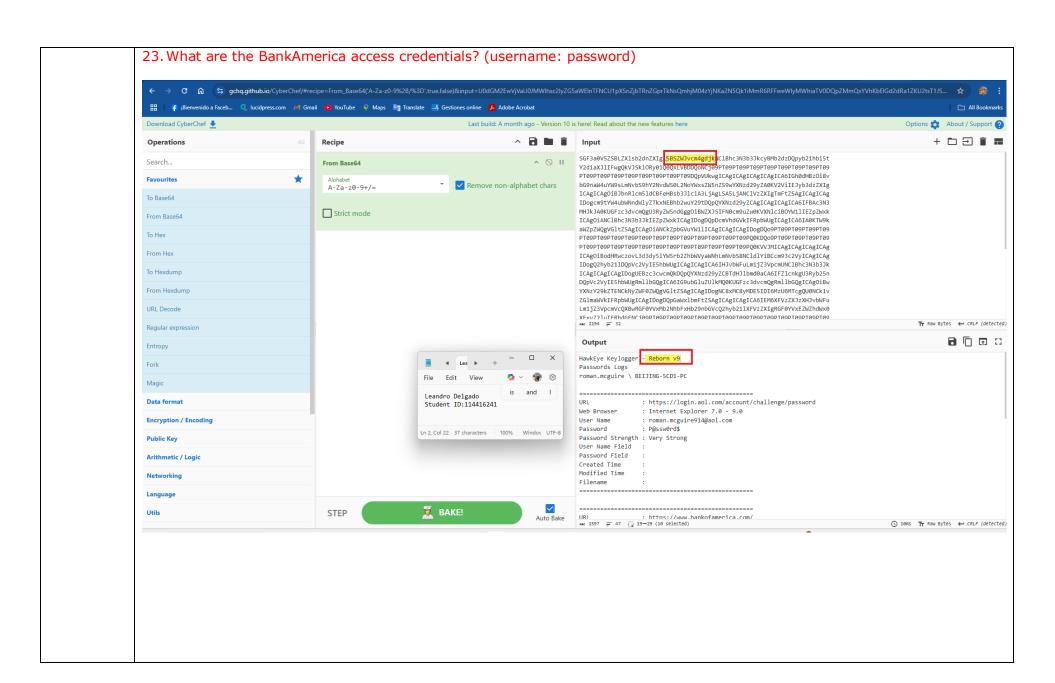


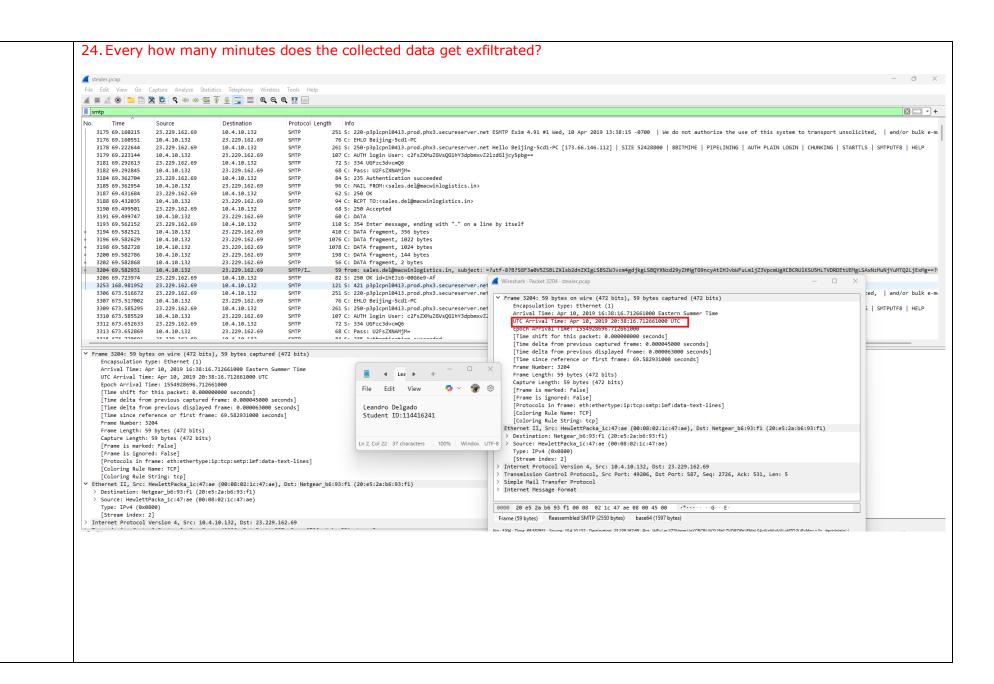


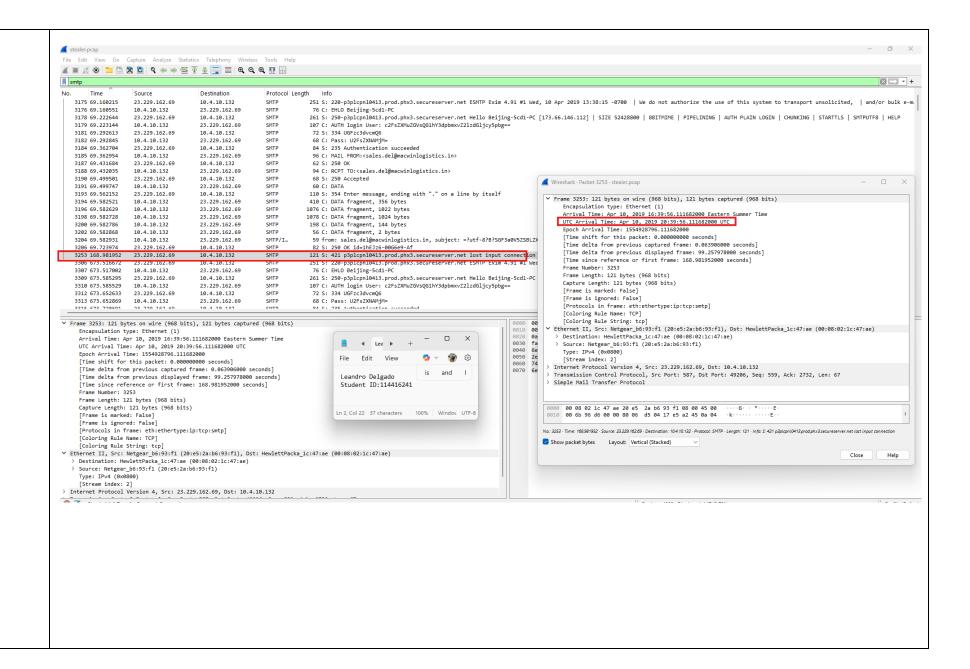


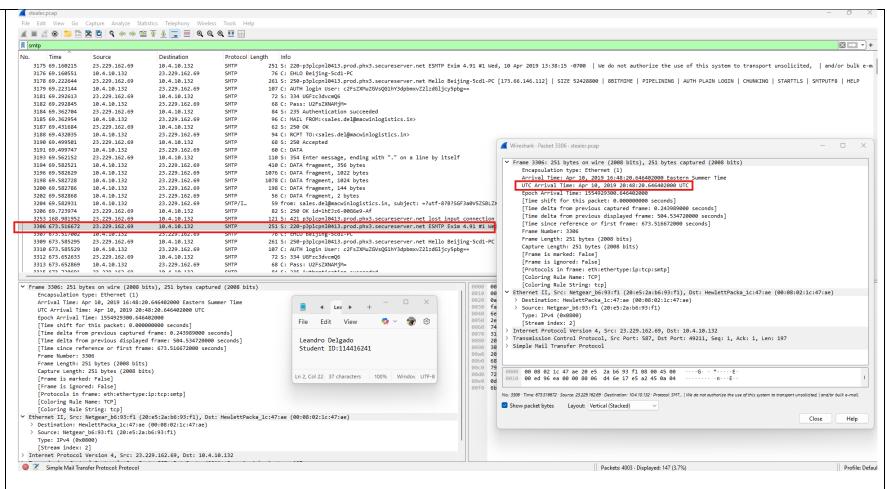












- Packet 3204 → 2019-04-10 20:38:16
- Packet 3253  $\rightarrow$  2019-04-10 20:39:56
- Packet 3306 → 2019-04-10 20:48:20

Now calculate the intervals between these data exfiltrations:

- From 20:38:16 to 20:39:56 = ~1 minute 40 seconds
- From 20:39:56 to 20:48:20 = ~8 minutes 24 seconds

So, the average interval is close to **every 10 minutes**.

### **Learning Experience**

This lab was a great hands-on experience that helped me understand how data exfiltration looks in real network traffic. I used tools like Wireshark and VirusTotal to analyze suspicious behavior, extract malware, and track its activity.

One key moment was trying to hash the malware file and seeing my system block it — proof that the threat was real. I also practiced using GeoIP, DNS analysis, and SMTP tracking.

Overall, this lab improved my skills in packet analysis and made me feel more confident about investigating security incidents

# Students Work required for this activity

- Go to the challenge <a href="https://cyberdefenders.org/blueteam-ctf-challenges/91#nav-questions">https://cyberdefenders.org/blueteam-ctf-challenges/91#nav-questions</a>
- Create an account and Login.
- Download the Challenge. Uncompress the challenge (pass: cyberdefenders.org).
- Answer the 24 challenge questions.
- Tool Used:
  - Wireshark
  - o BrimSecurity <a href="https://www.brimdata.io/">https://www.brimdata.io/</a>
  - Apackets https://apackets.com/
  - MaxMind Geo IP https://www.maxmind.com/en/home
  - VirusTotal
- Show complete screenshots of all your work.

## Grading Alerts

- If you do NOT use this template or delete any part of it or use any other template, you will be degraded.
- If you do NOT follow the fie naming convention, you will be degraded.
- If you do NOT submit your file in in PDF; you will be degraded.
- If you do NOT show your account real name (when applicable); you will be degraded.
- If you do NOT show your machine desktop background (with date & time) and IP, you will be degraded.

  If you do NOT write (in your own words) your learning experience for the activity practices, you will be degraded.