Network Capture Task

WE Innovate

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Download Google Authenticator PCAP from here :
https://drive.google.com/drive/folders/1To-ILZDL2RWRIsY7Y1ybCSlvRNrT7T0h?usp=drive_link

You work as an analyst at a (SOC). Someone contacts your team to report a coworker has downloaded a suspicious file after searching for **Google Authenticator.**

- LAN segment range: **10.1.17[.]0/24** (**10.1.17[.]0** through **10.1.17[.]255**)
- Domain: **bluemoontuesday[.]com**
- Active Directory (AD) domain controller: **10.1.17[.]2 - WIN-GSH54QLW48D**
- AD environment name: **BLUEMOONTUESDAY**
- LAN segment gateway: **10.1.17[.]**1
- LAN segment broadcast address: **10.1.17[.]255**

TASK

For this exercise, answer the following questions for your incident report:

- What is the IP address of the infected Windows client?
- What is the mac address of the infected Windows client?
- What is the host name of the infected Windows client?
- What is the user account name from the infected Windows client?
- What is the likely domain name for the fake Google Authenticator page?
- What are the IP addresses used for C2 servers for this infection?

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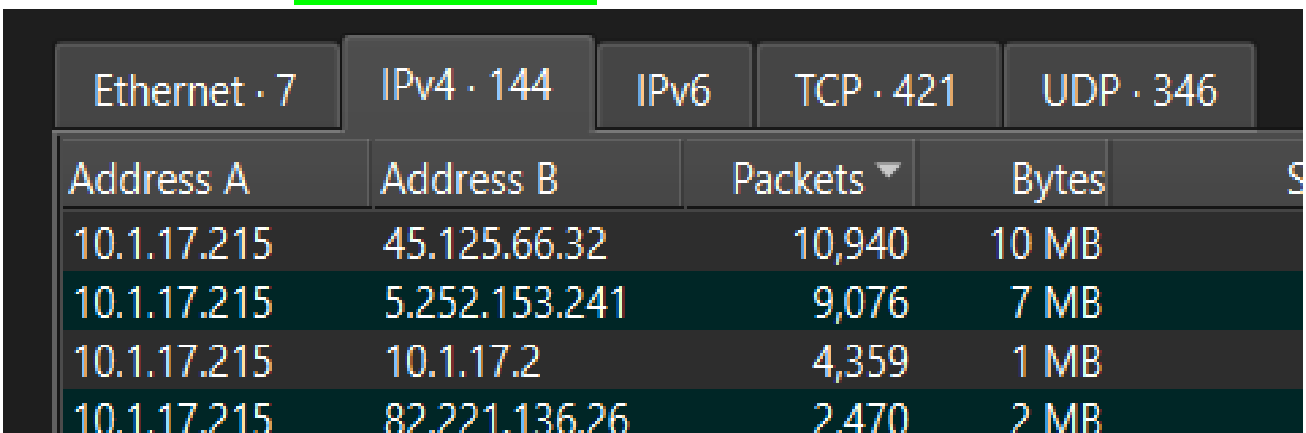
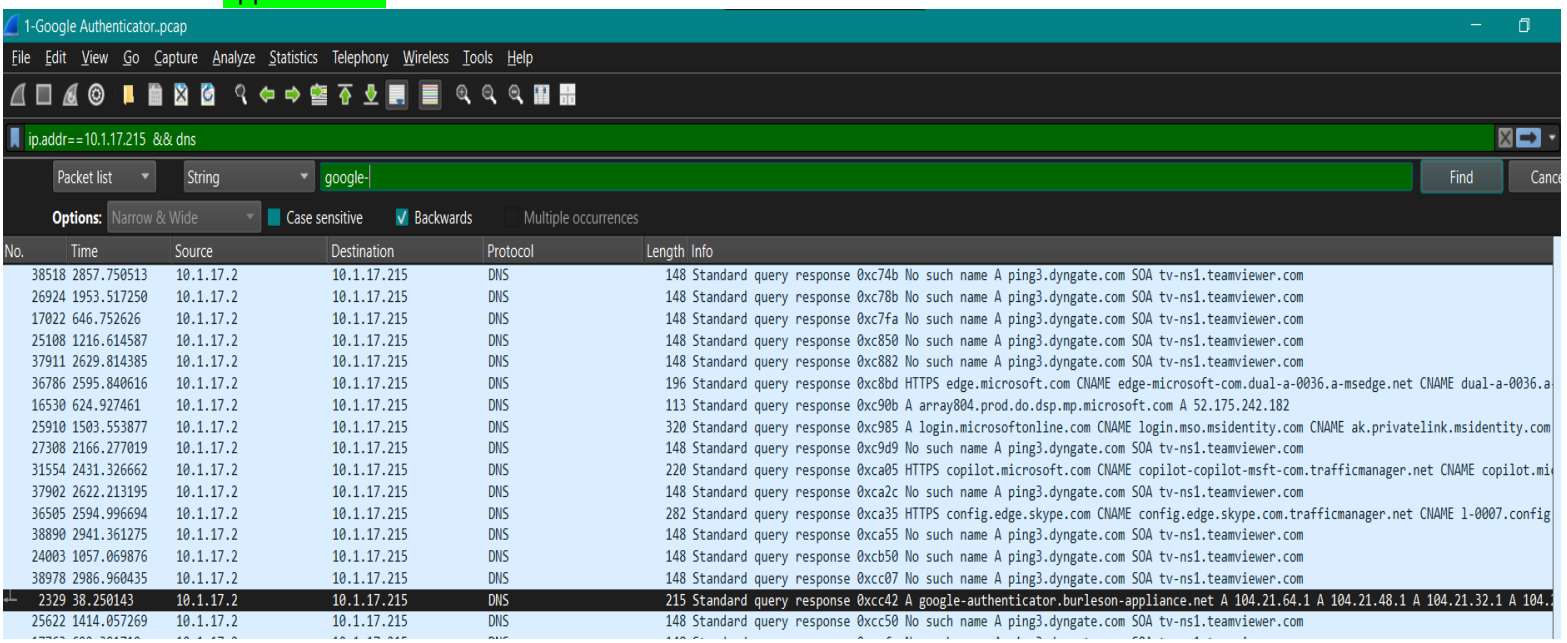
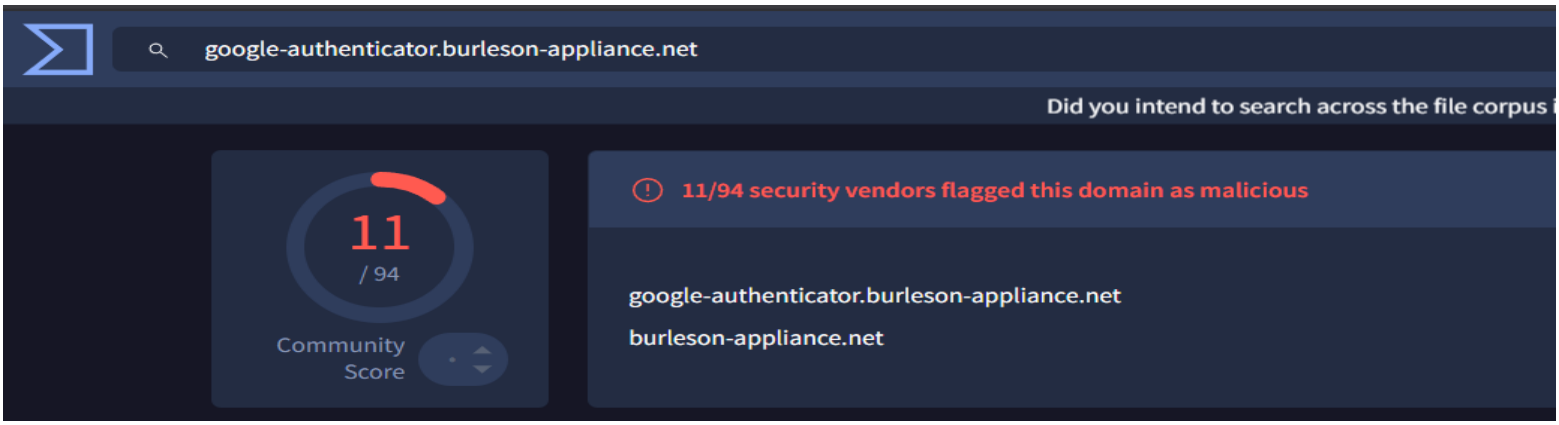
1. My first thought is to look into the conversation tab to get a summary or any clue about the IPs that we have. Statistics > Conversations

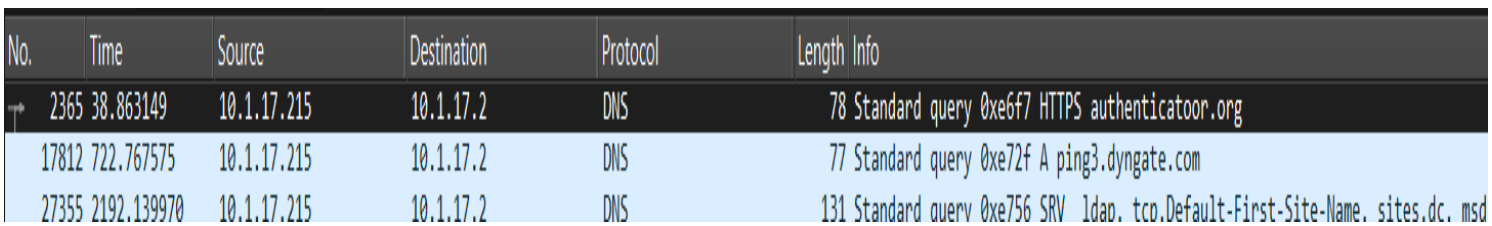


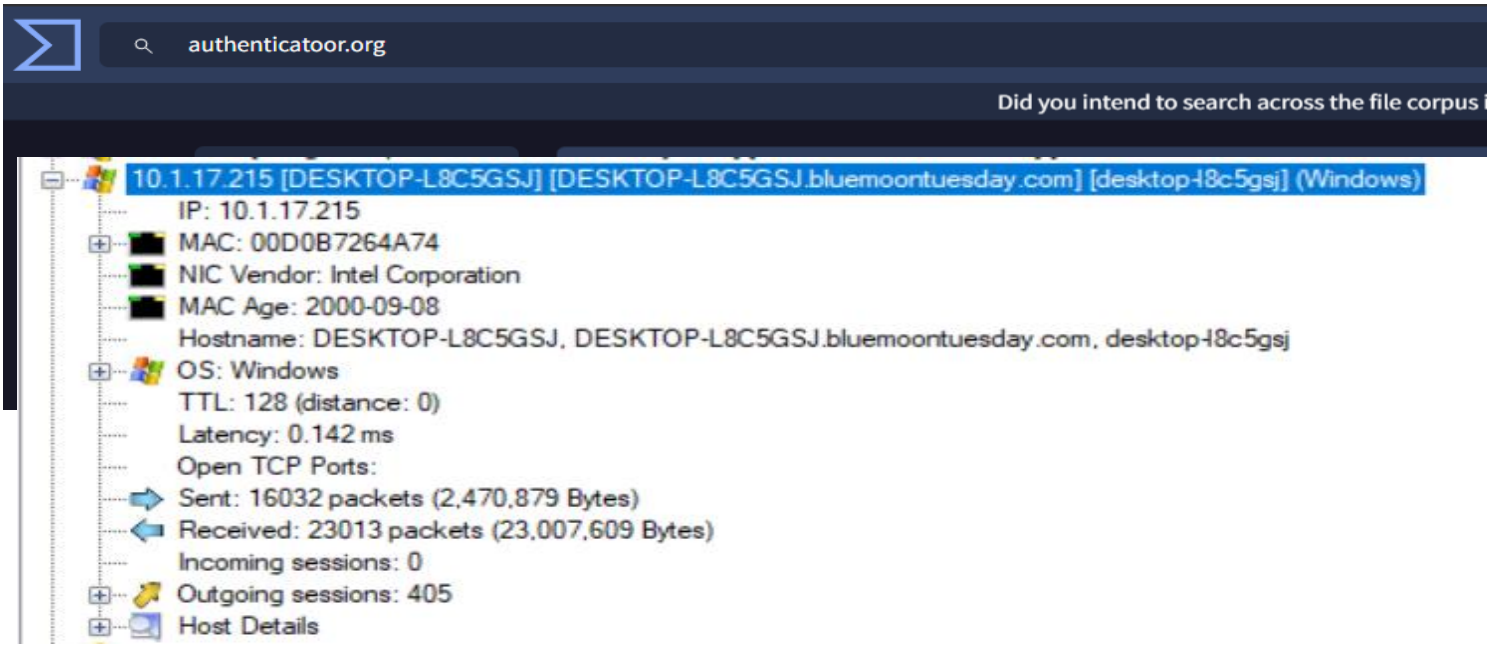
2. There is something going on with ip 10.1.17.215 which is in LAN segment range , therefore I will search for this specific IP and then filter using dns and search for ‘google-’ to see if there is an impersonation going on , fake google authenticator : google-authenticator.burleson-appliance.net.



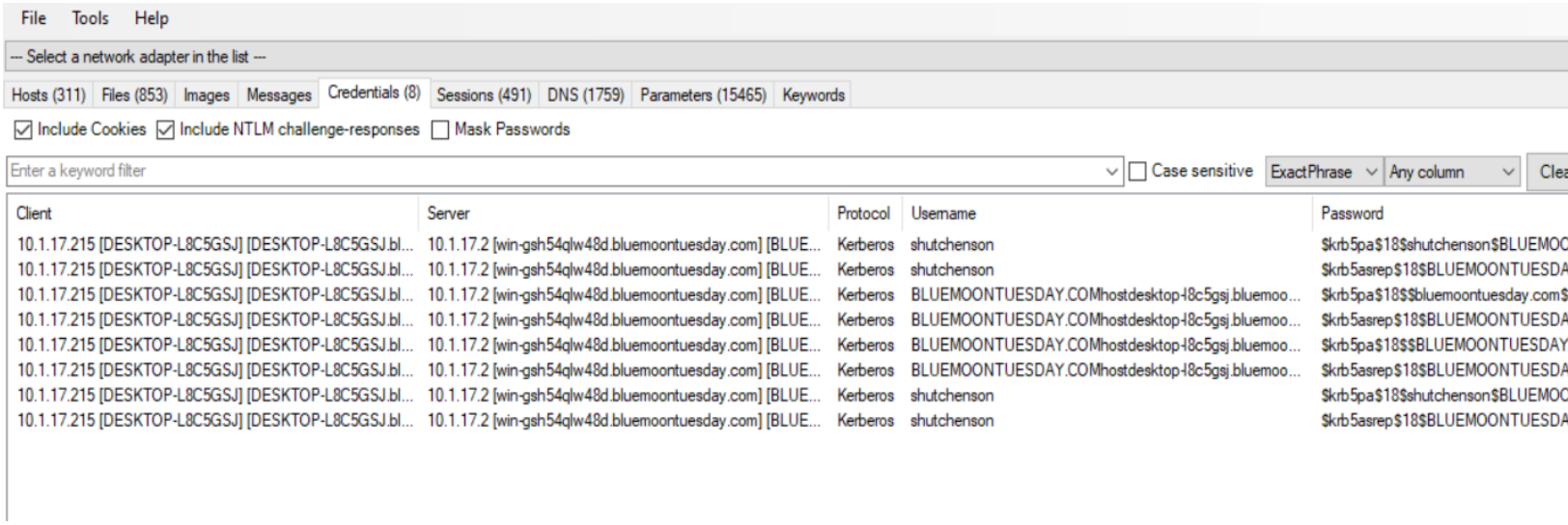


3. And then I managed to find another one , so probably there are more that malicious domain , notice the extra o ?

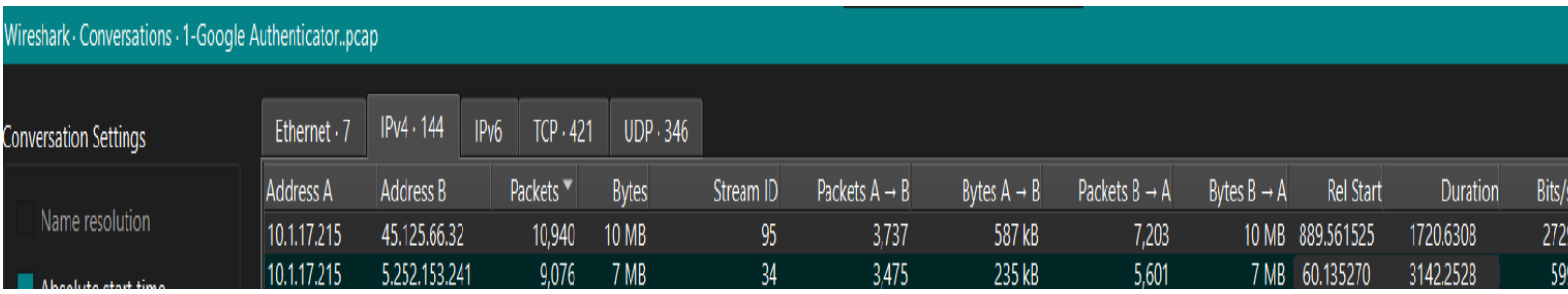


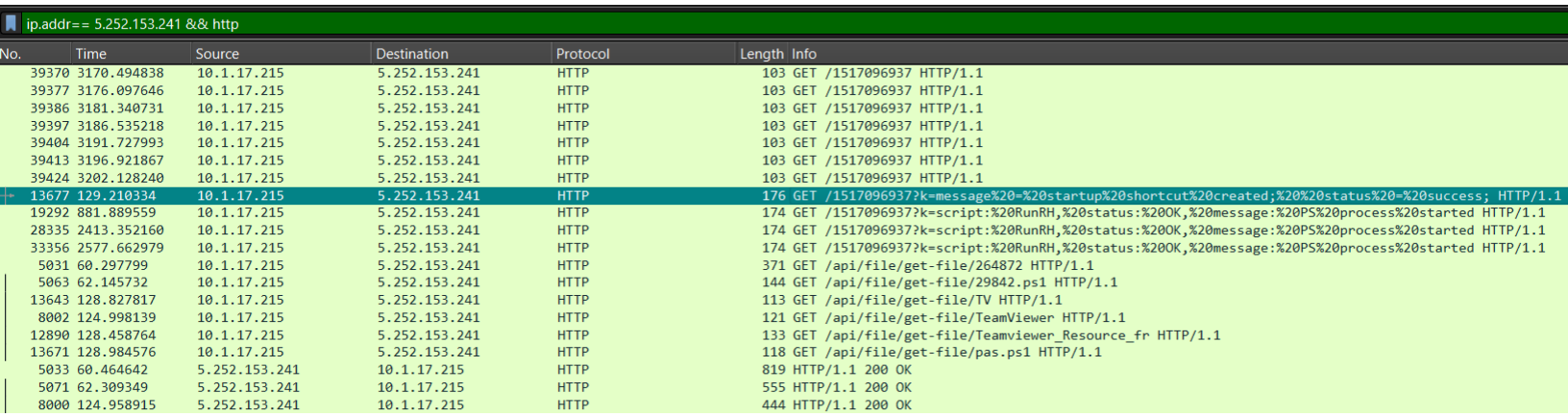


6. We can also get the username with passwords too using the credentials tab



7. Now the remaining question “What are the IP addresses used for C2 servers for this infection?” I suspect those two because they are out of the LAN and have the most packets but we will do further investigation.





ip.addr== 5.252.153.241 && http

No.	Time	Source	Destination	Protocol	Length	Info
39370	3170.494838	10.1.17.215	5.252.153.241	HTTP	103	GET /1517096937 HTTP/1.1
39377	3176.097646	10.1.17.215	5.252.153.241	HTTP	103	GET /1517096937 HTTP/1.1
39386	3181.340731	10.1.17.215	5.252.153.241	HTTP	103	GET /1517096937 HTTP/1.1
39397	3186.535218	10.1.17.215	5.252.153.241	HTTP	103	GET /1517096937 HTTP/1.1
39404	3191.727993	10.1.17.215	5.252.153.241	HTTP	103	GET /1517096937 HTTP/1.1
39413	3196.921867	10.1.17.215	5.252.153.241	HTTP	103	GET /1517096937 HTTP/1.1
39424	3202.128240	10.1.17.215	5.252.153.241	HTTP	103	GET /1517096937 HTTP/1.1
13677	129.210334	10.1.17.215	5.252.153.241	HTTP	176	GET /1517096937?k=message%20=%20startup%20shortcut%20created;%20%20status%20=%20success; HTTP/1.1
19292	881.889559	10.1.17.215	5.252.153.241	HTTP	174	GET /1517096937?k=script:%20RunRH,%20status:%20OK,%20message:%20PS%20process%20started HTTP/1.1
28335	2413.352160	10.1.17.215	5.252.153.241	HTTP	174	GET /1517096937?k=script:%20RunRH,%20status:%20OK,%20message:%20PS%20process%20started HTTP/1.1
33356	2577.662979	10.1.17.215	5.252.153.241	HTTP	174	GET /1517096937?k=script:%20RunRH,%20status:%20OK,%20message:%20PS%20process%20started HTTP/1.1
5031	60.297799	10.1.17.215	5.252.153.241	HTTP	371	GET /api/file/get-file/264872 HTTP/1.1
5063	62.145732	10.1.17.215	5.252.153.241	HTTP	144	GET /api/file/get-file/29842.ps1 HTTP/1.1
13643	128.827817	10.1.17.215	5.252.153.241	HTTP	113	GET /api/file/get-file/TV HTTP/1.1
8002	124.998139	10.1.17.215	5.252.153.241	HTTP	121	GET /api/file/get-file/TeamViewer HTTP/1.1
12890	128.458764	10.1.17.215	5.252.153.241	HTTP	133	GET /api/file/get-file/Teamviewer_Resource_fr HTTP/1.1
13671	128.984576	10.1.17.215	5.252.153.241	HTTP	118	GET /api/file/get-file/pas.ps1 HTTP/1.1
5033	60.464642	5.252.153.241	10.1.17.215	HTTP	819	HTTP/1.1 200 OK
5071	62.309349	5.252.153.241	10.1.17.215	HTTP	555	HTTP/1.1 200 OK
8000	124.958915	5.252.153.241	10.1.17.215	HTTP	444	HTTP/1.1 200 OK

9. There are a lot of suspicious things especially the highlighted packet therefore 5.252.153.241 is a suspicious c2.