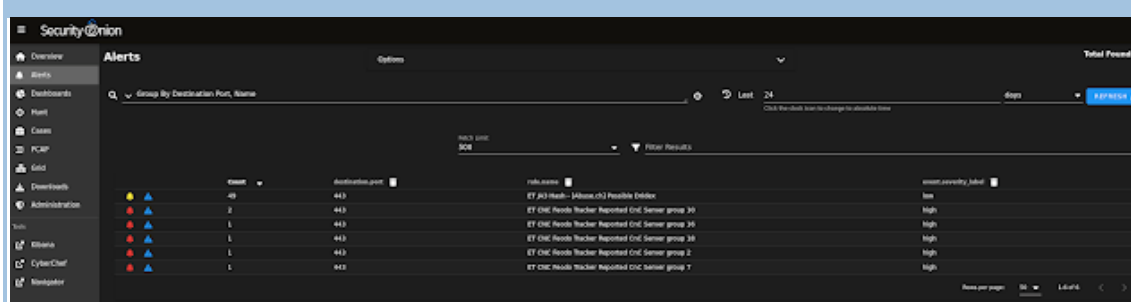
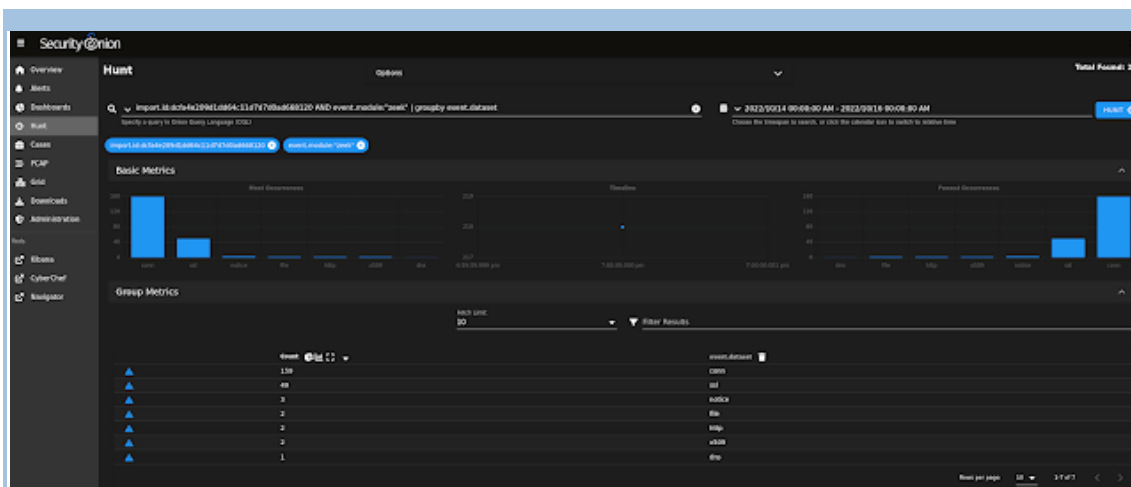


Las siguientes capturas de pantalla muestran algunas de las interesantes alertas de Suricata, registros de Zeek y transcripciones de sesiones. Comenzamos con las alertas de Suricata y luego pasamos a los metadatos de Zeek. Por el camino, encontramos una descarga interesante a través de HTTP y utilizamos CyberChef para descifrarla y determinar la contraseña del archivo. Por último, examinamos todas las conexiones, incluidos el país de destino y el nombre de la organización.

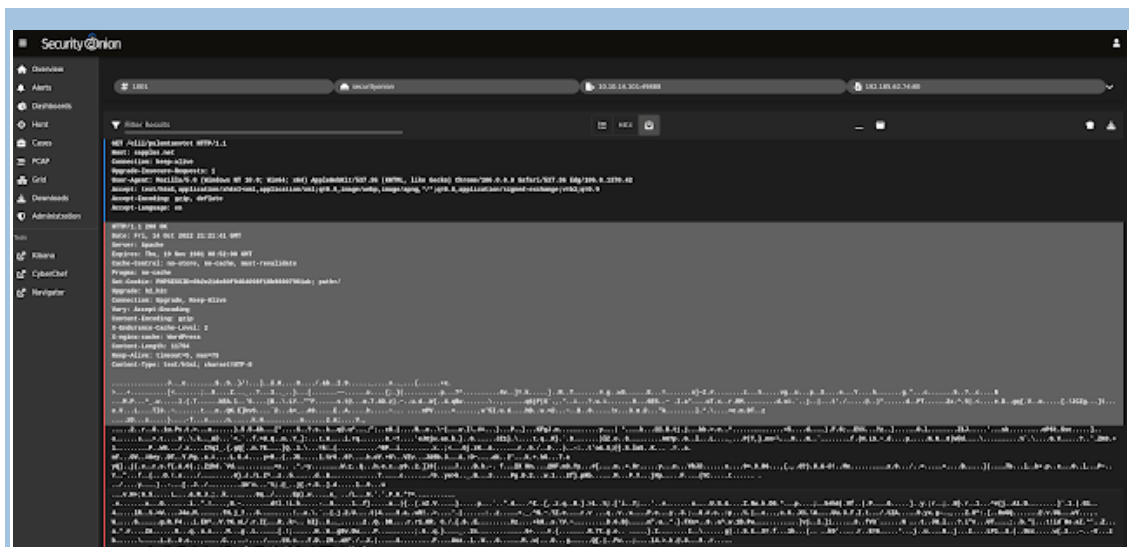
CAPTURAS DE PANTALLA



Alertas Suricata NIDS



Metadatos de Zeek

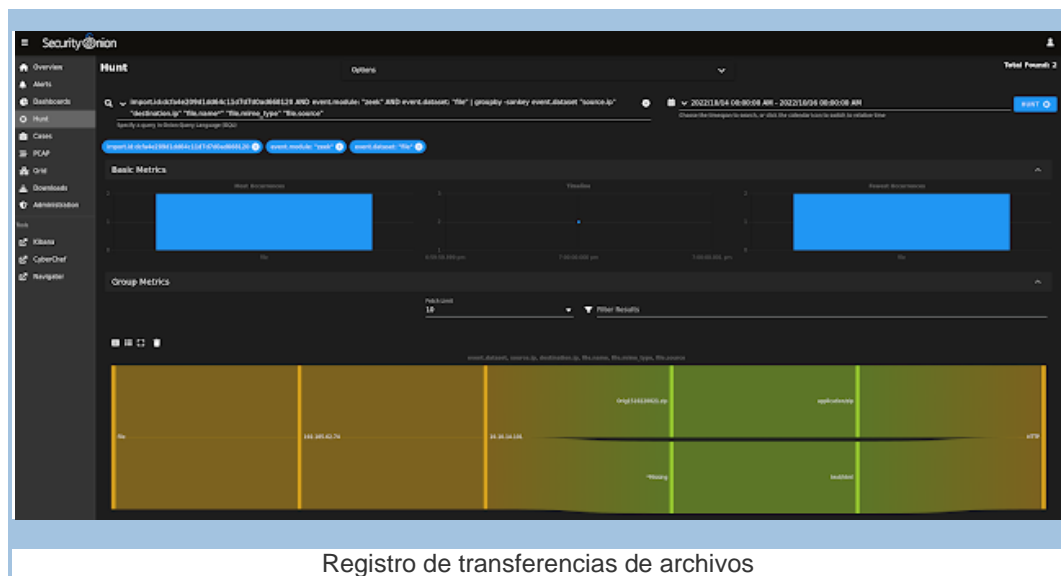
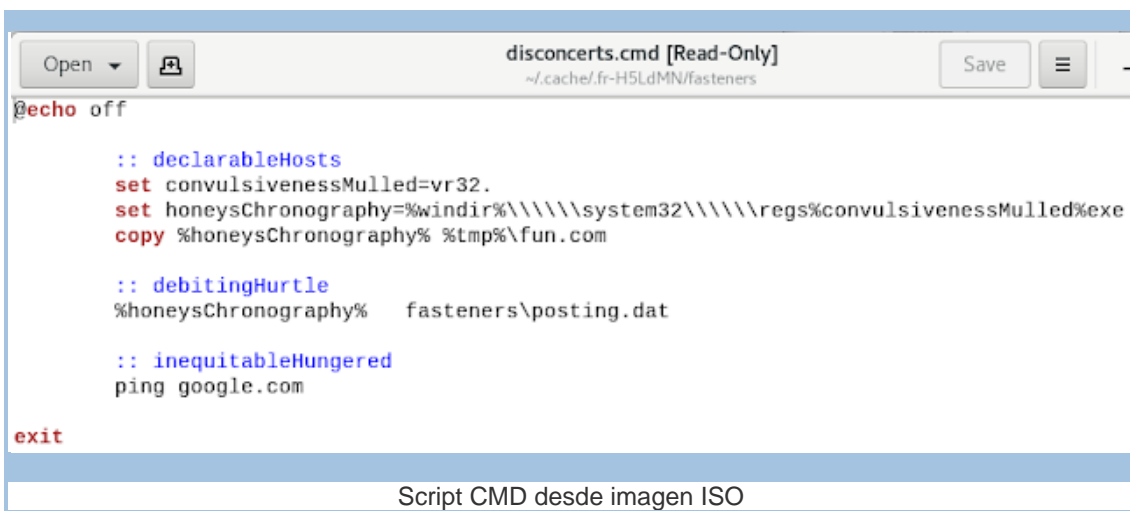
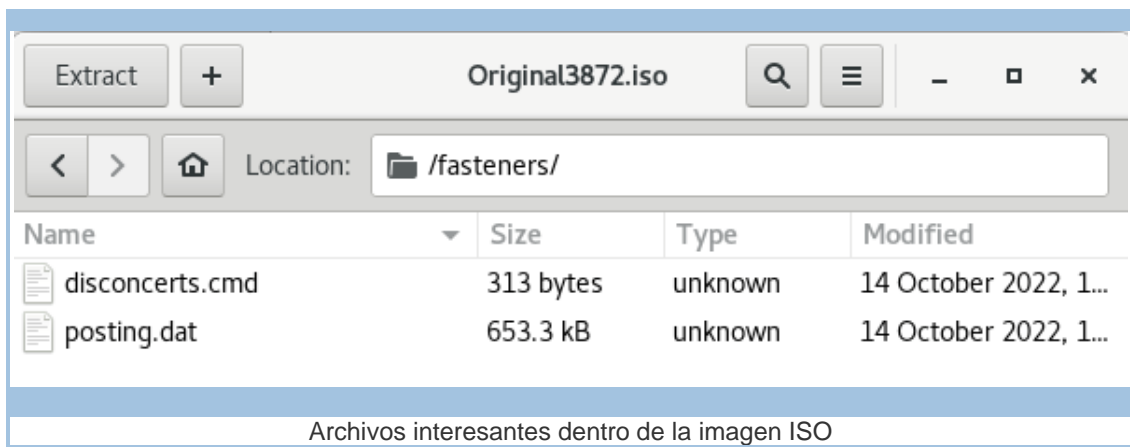


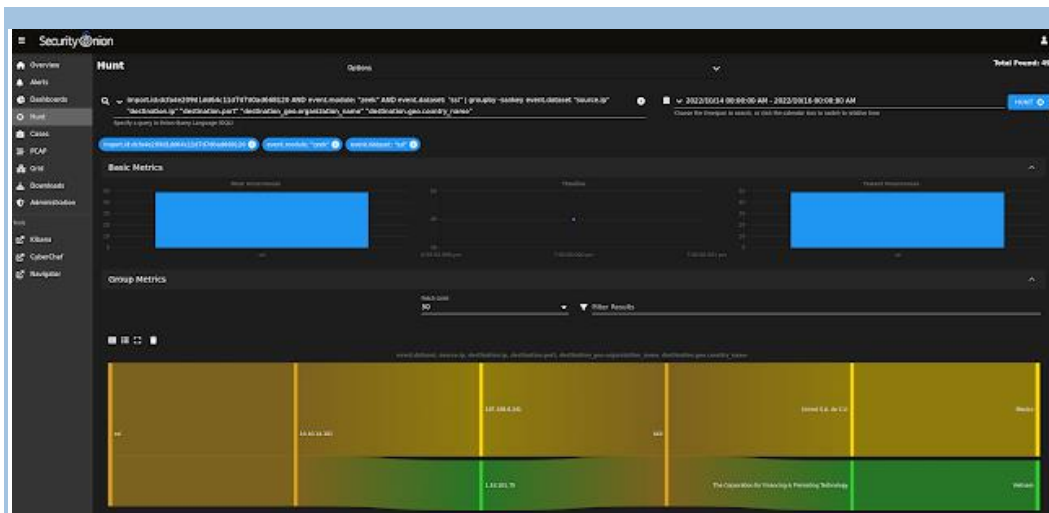
Transcripción ASCII de la transacción HTTP

Offset	Length	Protocol	Source	Destination	Details
0	10	HTTP	192.168.1.100	192.168.1.1	GET / HTTP/1.1
10	10	HTTP	192.168.1.1	192.168.1.100	200 OK

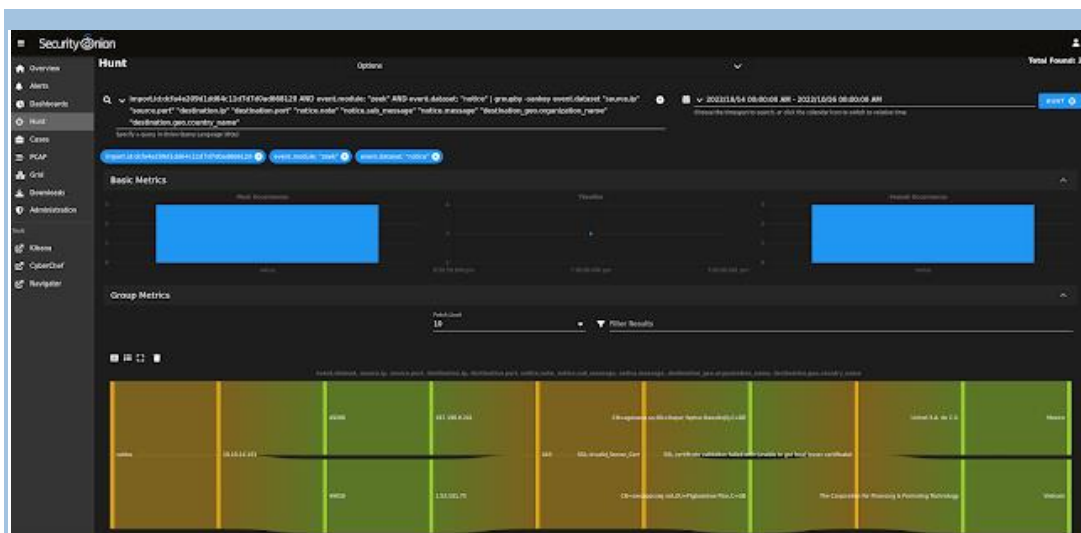
The screenshot shows a detailed view of the first packet in the capture. The packet is an HTTP GET request from 192.168.1.100 to 192.168.1.1. The details pane shows the raw data of the packet, which is displayed as a large block of ASCII text. The text is a hexadecimal representation of the packet data, with some parts highlighted in green to indicate the structure of the HTTP request.

La primera transacción HTTP muestra la contraseña que utilizaremos para abrir el archivo descargado

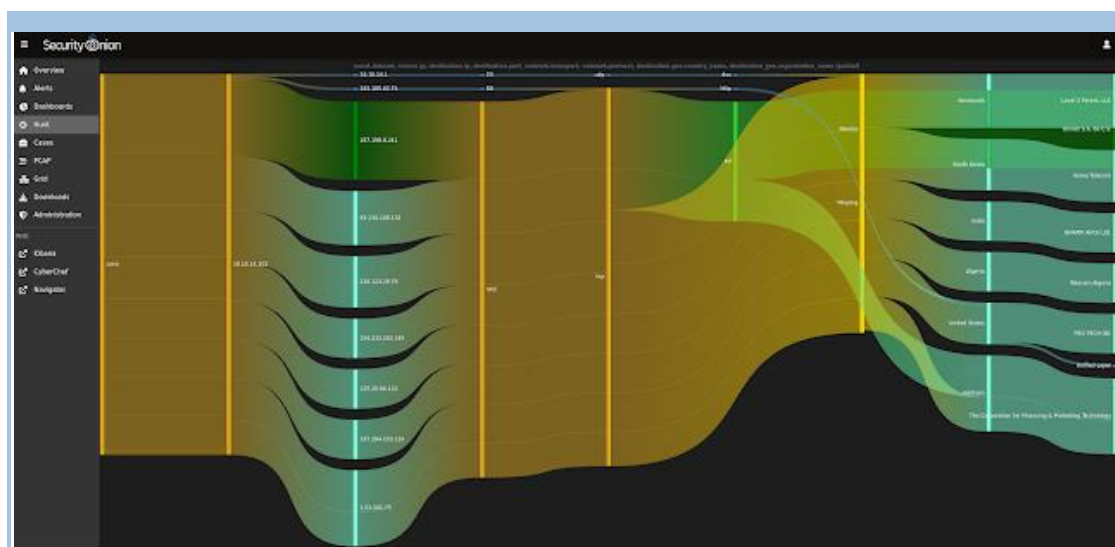




Conexiones SSL



Zeek avisa de certificados SSL no válidos



Todas las conexiones, incluido el país de destino y el nombre de la organización

2022-10-14 (FRIDAY) BB02 QAKBOT (QBOT) INFECTION

CADENA DE INFECCIÓN:

- email --> link --> password-protected zip --> ISO --> Windows shortcut runs installer DLL --> Qakbot C2

ENLACE EN EL CORREO:

- [hxxps://sapplus.net/elii/pulemtaevtot](https://sapplus.net/elii/pulemtaevtot)

ARCHIVOS DESDE EL ENLACE EN EL CORREO:

- SHA256 hash:
7dcc02a5947410627d94c50ed37a500335ccd9d7b30cd540e174457096a54a1e
- File size: 383,936 bytes
- File name: Orig1510220021.zip
- File location: <https://sapplus.net/elii/Orig1510220021.zip>
- File description: Password-protected zip archive downloaded through link in the email
- Password: FYN09
- SHA256 hash:
f1b6767c8be1d9d0083dcc041469a5404e16ce96c60a62f76de7a88de873e0c5
- File size: 712,704 bytes
- File name: Original3872.iso
- File description: ISO image extracted from the above zip archive

CONTENIDO DE LA IMAGEN ISO:

- SHA256 hash: 200a604f819bcdedd10258f4f58b30e1e36780a9e91c0686a1f08b4c144cc217d
- File size: 1,259 bytes
- File name: Originals.lnk
- File description: Windows shortcut (only visible file in the ISO image)
- SHA256 hash:
070272bda35f495343673b51cf871ae9e49b1aa0d3276aacc826b63768b8a860
- File size: 313 bytes
- File name: fasteners\disconcerts.cmd
- File description: .cmd batch script run by the above Windows shortcut
- SHA256 hash: bc672fe23b19898032b312ab849d781cfd450966e17f571b8e31a0328f2baf8
- File size: 653,312 bytes
- File name: fasteners\posting.dat
- File description: Windows DLL file for Qakbot, distribution tag: bb02
- Run method: regsvr32.exe [filename]

TRAFIO DESDE UN HOST WINDOWS INFECTADO:

PÁGINA WEB PARA Y ENTREGA DE ARCHIVO ZIP PROTEGIDO CON CONTRASEÑA:

- 192.185.62.74 port 80 - sapplus.net - GET /elii/pulemtaevtot
- 192.185.62.74 port 80 - sapplus.net - GET /elii/Orig1510220021.zip
- Note: Link from the emails was https, but used http URL for this infection.

TRAFICO QAKBOT C2:

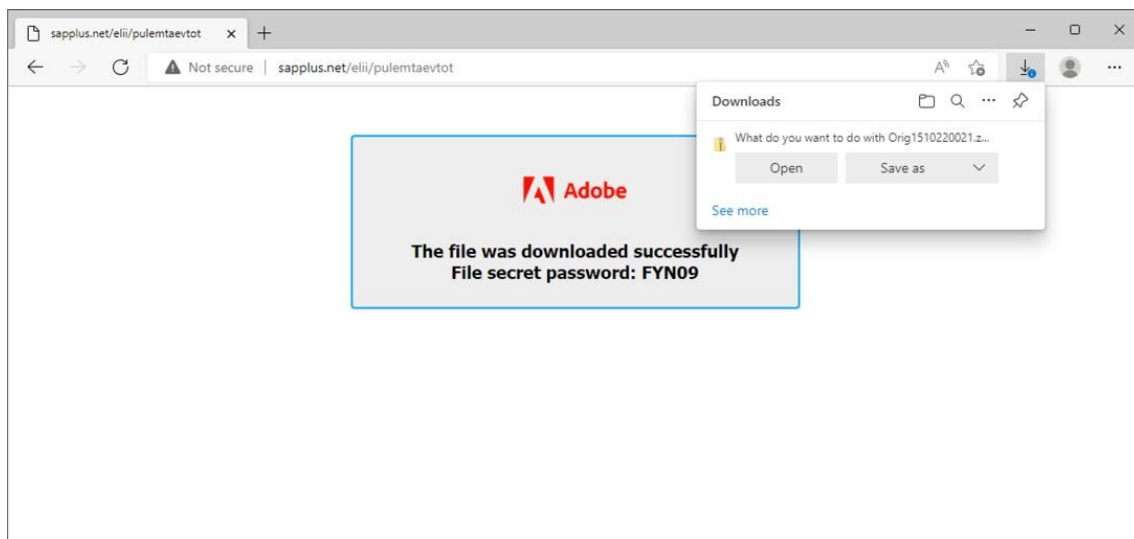
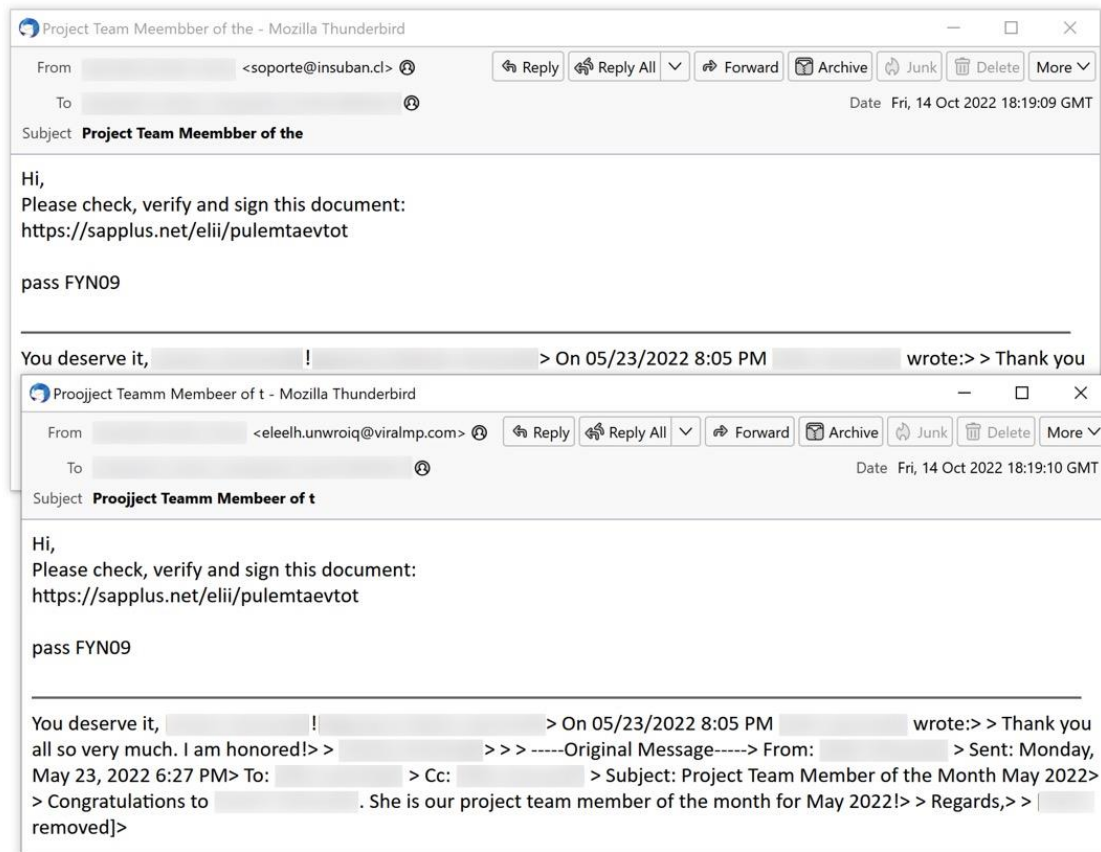
- 1.53.101.75 port 443 - HTTPS traffic (TLSv1.2)
- 125.20.84.122 port 443 - TCP connection attempts unsuccessful
- 220.123.29.76 port 443 - TCP connection attempts unsuccessful
- 197.204.233.216 port 443 - TCP connection attempts unsuccessful
- 45.230.169.132 port 443 - TCP connection attempts unsuccessful
- 104.233.202.195 port 443 - TCP connection attempts unsuccessful
- 187.198.8.241 port 443 - HTTPS traffic (TLSv1.2)

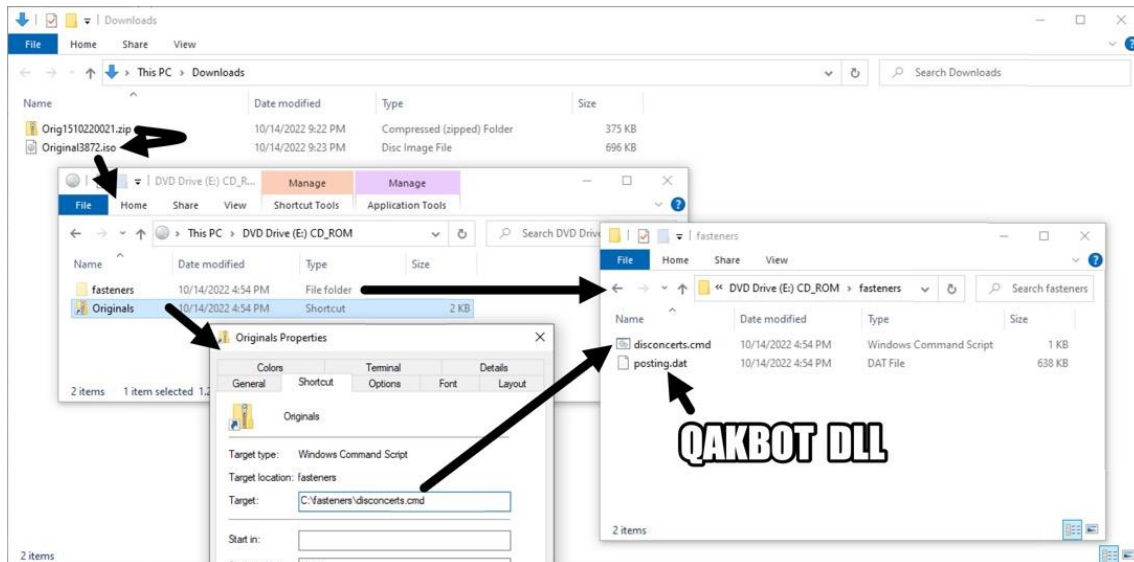
DATOS DEL EMISOR DEL CERTIFICADO PARA EL SERVIDOR QAKBOT C2 EN 1.53.101.75:

- id-at-countryName=GB
- id-at-stateOrProvinceName=AZ
- id-at-localityName=Akftth
- id-at-organizationName=Flibo Tdelirie Ouiopi LLC.
- id-at-commonName=sxeuiqecowj.net

DATOS DEL EMISOR DEL CERTIFICADO PARA EL SERVIDOR QAKBOT C2 EN 187.198.8.241:

- id-at-countryName=DE
- id-at-stateOrProvinceName=QE
- id-at-localityName=Otcsvjgcu Zsu
- id-at-organizationName=Oiumeicn Bteu Yphap Aenejfcom LLC.
- id-at-commonName=sageiaez.us





The Wireshark Network Analyzer					
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help					
(http.request or tls.handshake.type eq 1) and !(ssdp) and !(frame.number > 31 and frame.number < 6178) and !(frame.number > 6178 and !(ip.addr eq 1.53.101.75 or ip.addr eq 187.198.8.241))					
Time	Dst	Port	Host	Info	
2022-10-14 21:21:41	192.185.62.74	80	sapplus.net	GET /elii/pulemtaevtot HTTP/1.1	
2022-10-14 21:21:42	192.185.62.74	80	sapplus.net	GET /elii/Orig1510220021.zip HTTP/1.1	
2022-10-14 21:31:18	1.53.101.75	443		Client Hello	
2022-10-14 21:31:28	1.53.101.75	443		Client Hello	
2022-10-14 21:31:36	1.53.101.75	443		Client Hello	
2022-10-14 21:31:38	1.53.101.75	443		Client Hello	
2022-10-14 21:32:15	1.53.101.75	443		Client Hello	
2022-10-14 21:35:24	1.53.101.75	443		Client Hello	
2022-10-14 21:38:32	1.53.101.75	443		Client Hello	
2022-10-14 21:41:45	1.53.101.75	443		Client Hello	
2022-10-14 21:44:54	1.53.101.75	443		Client Hello	
2022-10-14 21:48:06	1.53.101.75	443		Client Hello	
2022-10-14 21:51:15	1.53.101.75	443		Client Hello	
2022-10-14 21:54:27	1.53.101.75	443		Client Hello	
2022-10-14 21:57:40	1.53.101.75	443		Client Hello	
2022-10-14 22:00:48	1.53.101.75	443		Client Hello	
2022-10-14 22:04:01	1.53.101.75	443		Client Hello	
2022-10-14 22:07:34	1.53.101.75	443		Client Hello	
2022-10-14 22:10:43	1.53.101.75	443		Client Hello	
2022-10-14 22:20:57	187.198.8.241	443		Client Hello	
2022-10-14 22:23:25	187.198.8.241	443		Client Hello	
2022-10-14 22:26:33	187.198.8.241	443		Client Hello	
2022-10-14 22:29:46	187.198.8.241	443		Client Hello	
2022-10-14 22:32:55	187.198.8.241	443		Client Hello	