

\$ whoami

- 6 yr. IT before InfoSec (not counting HS or College)
- 2 yr. InfoSec Team Lead @ Medline Industries
- 2 yr. Solutions Engineer @ LightCyber
- 2 yr. Solutions Engineer Specialist @ Palo Alto Networks
- 4.5 yr. Solutions Engineer @ Corelight
- 1 yr. Tech Marketing Engineer @ Corelight

Plus:

2 yr. Threat Hunter in the Black Hat Conference NOC



Mark Overholser





The Black Hat conference NOC partners



ARISTA

C corelight







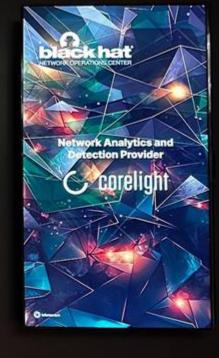














C corelight



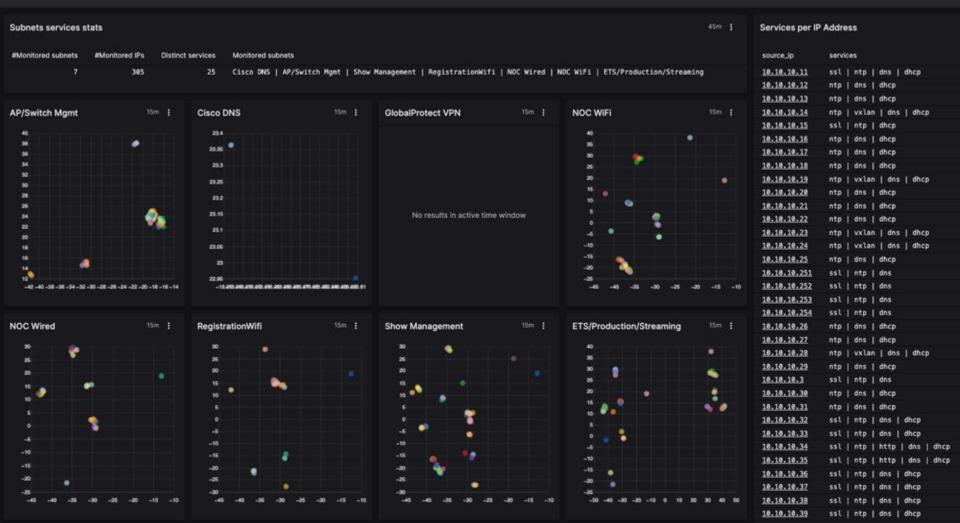








BlackHat Backbone outliers





Open-source roots









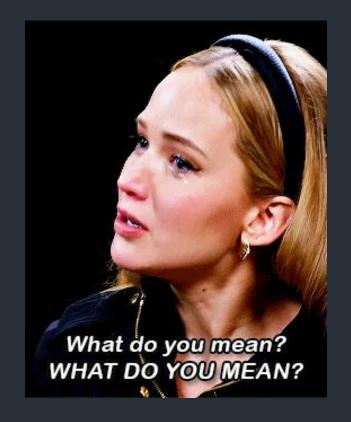


Amazon shrugged

host	server_headers	_count ↑
<pre>ocsp.rootcal.amazontrust.com</pre>	Server: __(ツ)_/_	1673
<u>ocsp.rootg2.amazontrust.com</u>	Server: "_(ツ)_/"	503
<pre>ocsp.rootca3.amazontrust.com</pre>	Server: "_(ツ)_/"	73
ocsp.rootg2.amazontrust.com:80	Server: "_(ツ)_/"	2
<pre>ocsp.rootca4.amazontrust.com</pre>	Server: "_(ツ)_/"	2
ocsp.rootca1.amazontrust.com:80	<u>Server: ̄_(ツ)_/ ̄</u>	2





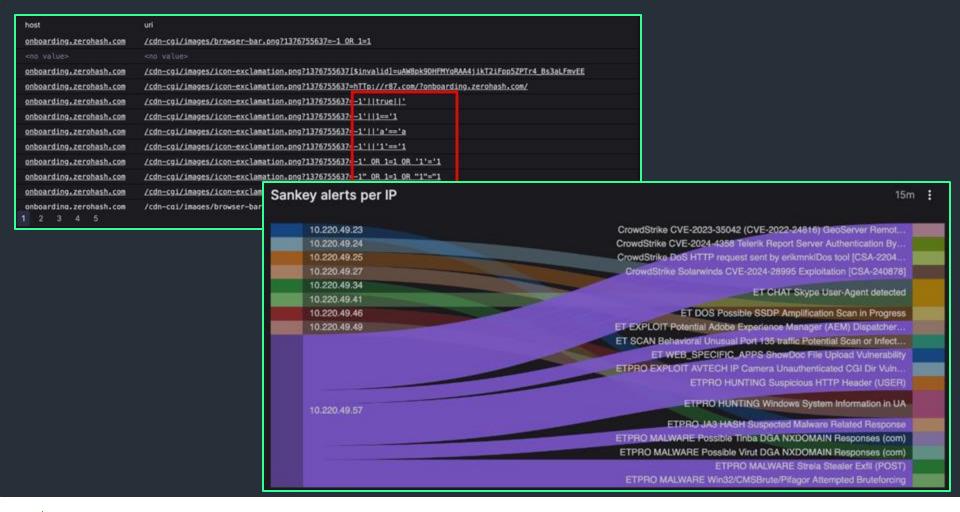




C

Pentesters gonna pentest









Living in syn-ology

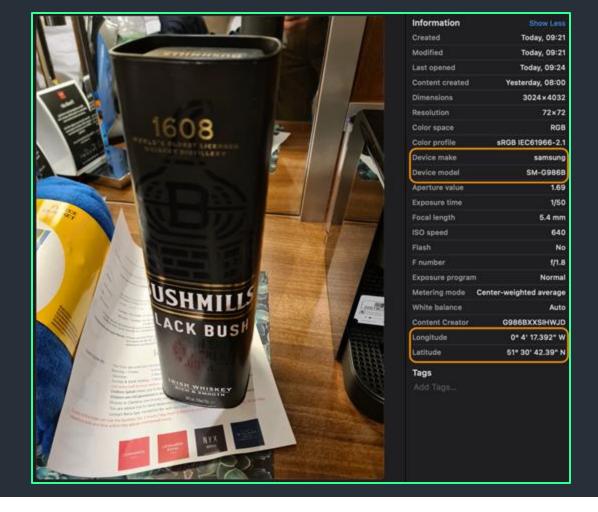


If you select Synology as the service provider, you can configure the following settings:

Get a certificate from Let's Encrypt and set it as default
 Tick the checkbox to apply a Let's Encrypt SSL certificate
 for your Synology DDNS and set it as the default certificate for DSM. However, if an SSL certificate is already matched
 for your DDNS hostname, the checkbox will be disabled. For more information on the SSL certificate, please refer to
 this article.

```
zeek_output % ls
                         files.log
                                                   http.log
                                                                              packet_filter.log
                                                                              reporter.log
extract files
                          heic
                  zeek_output % file heic/*
                         .994659-HTTP-FaeE1YewTXchExTpe.heic:
heic/extract-1701860860.583039-HTTP-FzXbTi4AhDzG
heic/extract-1701862798.988648-HTTP-F6FfUklaNGXPfwng
                      00.589052-HTTP-FYbjn93H54VZu4IX9.heic:
                       02.002174-HTTP-Fk90iH2cKli
heic/extract-1701862894.675585-HTTP-FwMBUA2JX
heic/extract-1701863023.68998-HTTP-FwGq42141QJT9SMcGj.heic:
erberus@d zeek_output % file mp4/*
mp4/extract-1701853097.844574-HTTP-FN2glloTcHks3l809.mp4: ISO Media, MP4 v2 [ISO 14496-14]
```





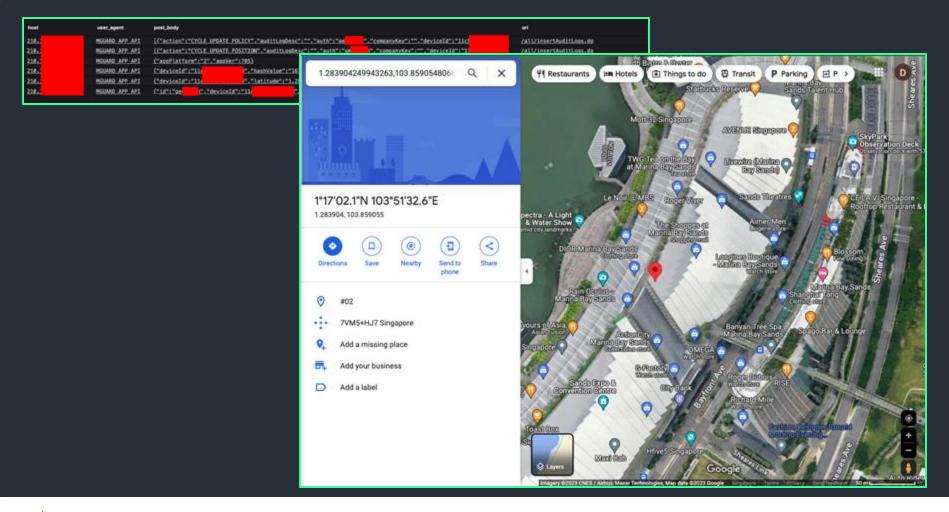




C

A vpn that doesn't understand what p stands for







DOH!



id.resp_h	host	uri
47.246.2.191	httpdns.alicdn.com	/multi_httpdns_resolve?host_key=vdn5-1.vzuu.com;vdn.vzuu.com;vdn6-1.vzuu.com&qtype=all
47.246.2.192	httpdns.alicdn.com	/multi_httpdns_resolve?host_key=vdn.vzuu.com;vdn5-1.vzuu.com;vdn6-1.vzuu.com&qtype=all
47.246.2.192	httpdns.alicdn.com	/multi_httpdns_resolve?host_key=vdn5-1.vzuu.com;vdn.vzuu.com;vdn6-1.vzuu.com&qtype=all
47.246.2.191	httpdns.alicdn.com	/multi_httpdns_resolve?host_key=vdn.vzuu.com;vdn5-1.vzuu.com;vdn6-1.vzuu.com&qtype=all
59.111.211.11	httpdns.yunxindns.com	/httpdns/v2/d?domain=im-web.zeekrlife.com
59.111.211.11	httpdns.yunxindns.com	/httpdns/v2/d?domain=statistic.live.126.net

This *looks like* DOH...

But DOH is *supposed to* be over HTTPS!

Sanity check?

Yep, it works.





It came from behind the podium!

C corelight	C corelight INVESTIGATOR						
■ List	⊞ Table						
Score	Alert Category	Entity	Alert Type	#Alerts			
6	ET MALWARE TraderTraitor CnC Domain in DNS Lookup (canolagroove .com)	192.168.0.50	Suricata	22			
6	ET MALWARE Observed DNS Query to UNC3890 Domain (office365update .live)	192.168.0.50	Suricata	41			
6	ET MALWARE Observed DNS Query to UNC3890 Domain (mfacebook .com)	192.168.0.50	Suricata	12			
6	ET MALWARE TraderTraitor CnC Domain in DNS Lookup (primerosauxiliosperu .com)	192.168.0.50	Suricata	16			
6	ET MALWARE TraderTraitor CnC Domain in DNS Lookup (alwaysckain .com)	192.168.0.50	Suricata	21			
6	ET MALWARE Mallox Ransomware CnC Domain (whyers .io) in DNS Lookup	192.168.0.50	Suricata	24			
6	ET MALWARE TraderTraitor CnC Domain in DNS Lookup (centos-repos .org)	192.168.0.50	Suricata	11			
6	ET MALWARE TraderTraitor CnC Domain in DNS Lookup (reggedrobin .com)	192.168.0.50	Suricata	9			
6	ET MALWARE TraderTraitor CnC Domain in DNS Lookup (centos-pkg .org)	192.168.0.50	Suricata	12			
6	ET MALWARE TraderTraitor CnC Domain in DNS Lookup (toyourownbeat .com)	192.168.0.50	Suricata	12			
6	ET MALWARE TraderTraitor CnC Domain in DNS Lookup (datadog-cloud .com)	192.168.0.50	Suricata	9			
6	ET MALWARE TraderTraitor CnC Domain in DNS Lookup (nomadpkg .com)	192.168.0.50	Suricata	9			
6	ET MALWARE TraderTraitor CnC Domain in DNS Lookup (datadog-graph .com)	192.168.0.50	Suricata	12			
6	ET MALWARE TraderTraitor CnC Domain in DNS Lookup (launchruse .com)	192.168.0.50	Suricata	9			
6	ET MALWARE TraderTraitor CnC Domain in DNS Lookup (nomadpkgs .com)	192.168.0.50	Suricata	9			





Topics ~

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Spotlight

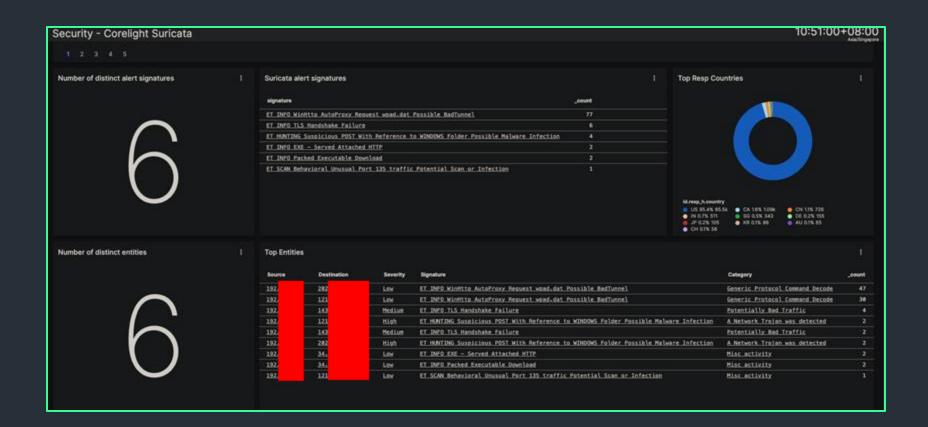
TraderTraitor: North Korean State-Sponsored APT Targets Blockchain Companies

Careers V

About >

Last Revised: April 20, 2022 Alert Code: AA22-108A









Customer telemetry...

Who knew that EDR stood for "Everything Disseminated in Real-time"?

```
.: o....y...%.T..qb..*.P....Y. POST /edr/telemetry?CustomerId=1 HTTP/1.1
Content-Type: application/octet-stream
Accept: application/octet-stream
Content-Length: 250123
Connection: Keep-Alive
Host: nive
        DateCheckedTo" | 1681733260933.
        "Message"
               "CommandLine" :
                                "string" | "taskhostw.exe SYSTER"
                                "string": "\"C:\\Program Files (x86)\\Google\\Update\\GoogleUpdate.exe\" /ww /installsource scheduler"
                                "string" : "\"C:\\Program Files (x86)\\Microsoft\\EdgeUpdate\\MicrosoftEdgeUpdate.exe\" /wa /installsource sch
                                "string" : "\"C:\\Program Files (x86)\\DesktopCentral_Agent\\bin\\dcagentupgrader.exe\" Task"
                                "string" : "C:\\MINDOWS\\System32\\Upfc.exe /launchtype periodic /cv fW6v2+NCaxG1Fk1Ga}2Avw.B"
                                "string" : "C:\\MINDOWS\\systeml2\\wbem\\scrcons.exe -imbedding"
```





IN SSHAMBLES







BLACK HAT BRIEFINGS

Secure Shells in Shambles

HD MOORE | ROBKING | AUGUST 7, 2024

☐ README ♣ License ♣ Security

sshamble

SSHamble is a research tool for SSH implementations that includes:

- · Interesting attacks against authentication
- · Post-session authentication attacks
- · Pre-authentication state transitions
- Authentication timing analysis
- · Post-session enumeration

This project is a work-in-progress and likely to change quickly.

You can reach our team via research[at]runZero.com.

https://SSHamble.com/



Timeline

4:00-4:30pm

5:15pm

5:35pm

5:50pm

6:00pm



ells in

ing traffic

luding ady collected

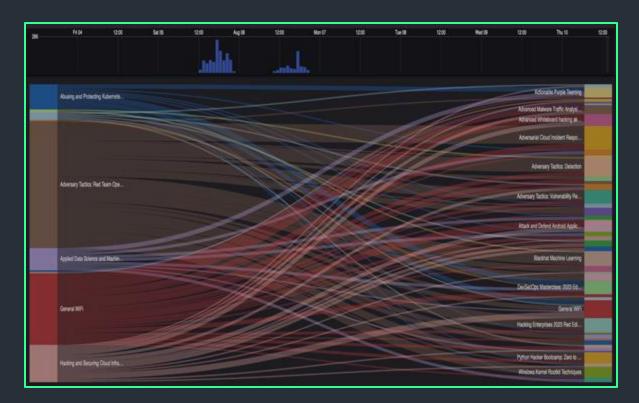
ned multiple g the fingerprint

firmed that IP





Multicast DNS Misadventures



Remember when I said we isolated networks effectively?

Well, we didn't.

Responder.py has entered the chat





