

National cyber security impact of Geopolitical tensions

I will not tell you anything you don't already know

Miguel De Bruycker

Managing Director CCB

Direct impact on Belgium by ...

Criminal

Tolerate

Cautiously limited



Hacktivism

State

Loss of global trust – emphasis on differences

Perception of difference





Tensions



Conflict/war



Ukraine war has changed National cybersecurity permanently











2023 - 2024

- Cyber security as part of the Internet
- Understand what they are capable of ... and what not
- The impossible will be done
 - Information sharing amongst trusted partners
 - Identification of TTP's and infrastructure
 - Filtering





Thank you

info@ccb.belgium.be





QUARTERLY CYBER THREAT OVERVIEW Q4 2022



CLARA GRILLET

Cyber Threat Analyst (Threat Research Center) Team of CyTRIS (Cyber Threat Research & Intelligence Sharing) CyTRIS is the CTI department of CCB TLP CLEAR





Today's agenda







Threats to Belgium

Ransomware

It's back and it's big! 28 ransomware attacks Multiple actors: **LockBit 3.0**, Play, Ragnar Locker

Same initial access vectors Phishing, exploited vulnerabilities, leaked credentials, insider threats

Mixed impact depends on each <u>organization's strategy</u>

3-2-2 backups MFA on all local and cloud accounts How to protect against ransomware

https://cert.be/en/alert/severalbelgian-municipalities-recently-fellvictim-ransomware

Sale of customer database and network access

Leaked credentials stolen in breaches are sold on underground forums

Concentrated in Exploit.in

RDP access, customer databases, **RDWeb** access

Spear warnings sent to entities identified by CCB/CyTRIS (names, domains)





Global threats to critical sectors

Risk of data breach, ransomware and DDoS



All critical sectors

Government, healthcare, finance, energy (oil, gas, electricity) Global campaign from TAG-52 against government, energy, defense, media and education sectors



Increased activity in the energy sector

Chinese and Russian nexus Information gathering (future destructive attacks?) Reconnaissance on LNG terminals in the Netherlands



Raspberry Robin The return of infected USB devices Targets European financial institutions







A word on the cyber impacts of the Ukraine-Russia conflict

Renewed activity from Russophone actors

A mix of longstanding, well-known actors and recent hacktivist groups Gamaredon, Sandworm, KillNet, IT Army of Ukraine, NoName057(16), <u>GhostWriter</u> Financial crime groups have likely reorganized Countries perceived to be pro-Ukraine are more targeted <u>Prestige ransomware attack on Polish and Ukrainian transportation and logistics networks</u> Geopolitical theme is a recurring **lure** in various campaigns

Beware of hacktivist groups

Ideologically-motivated attacks Could target any organization they suspect to be involved with either side Information war: high visibility, global reach but often low impact

Killnet lauches a <u>DDoS attack against the European Parliament</u> in retaliation for Parliament's decision to designate Russia as state sponsor of terrorism







Key APT actor trends

Their #1 weapon: spear-phishing



Source: flaticon.com

Long-established APTs

Information gathering, disruption and financial gain

Unlike Russia, for China, the UA/RU conflict is just one of multiple focuses

Widening scope: neighboring countries, but also Europe, Latin America, Asia Chinese activity outside Europe with spearphishing attacks towards government, NGO and research organizations

Shift towards more abuse of legitimate services

Malware delivered via emails from fraudulent Google accounts or malicious Google Drive/Dropbox links







✓ Use a link instead of an attachment
✓ Customize per department (make it realistic)

Key exploited vulnerabilities

Vulnerabilities in Microsoft Exchange

ProxyNotShell



<u>CVE-2022-41040</u> and <u>CVE-2022-41082</u>

Mitigations before a patch became available a month later

OWASSRF

CVE-2022-41080

Bypasses ProxyNotShell mitigations

Used by Play ransomware

Older vulnerabilities are still being actively exploited (Log4j)

OpenSSL <u>CVE-2022-3602 and CVE-2022-3786</u>

Citrix <u>CVE-2022-27518</u>

Apache "Text4Shell" Oracle <u>CVE-2022-42889</u> <u>CVE</u>

VMWare <u>CVE-2021-39144</u>

Other vulnerabilities

CVE-2022-40684

CVE-2022-42475

CVE-2022-41352

Fortinet

Zimbra

racie <u>CVE-2021-35587</u>

CENTRE FOR CYBER SECURITY BELGIUM



Outlook

Ransomware will continue to rise

- Primarily for financial gain
- Also for destructive or disruptive operations OT, industrial systems and critical infrastructure Increased specialization, extortion-only groups

Continued influence of Ukraine-Russia conflict

- Hacktivism and APTs, upskilling
- Geopolitical targeting: government, logistics, media, energy Phishing lure

Increased speed of exploitation



Prioritize!



Good practice: MFA on cloud and local accounts, <u>back-ups</u>

Inform CCB about possible threats or compromises to your organization/sector

- Increase overall security posture <u>https://cyberguide.ccb.belgium.be/en</u>
- ✤ Know your environment & look for anomalies!
- ✤ User awareness!!!
- 💁 Periodical threat hunt
- Protect your entry points
 Vulnerability Management
- Protect supply chain Zero-Trust network
- PREPARE for the attack! Crisis communication Incident Response plan





Questions?



Contact details:

- CTI questions: <u>ews@cert.be</u>
- Incident reports: <u>cert@cert.be</u>
- in https://www.linkedin.com/company/centre-for-cybersecurity-belgium/
- 🥑 @certbe



CLARA GRILLET Analyst at Threat Research Centre, CyTRIS <u>clara.grillet@ccb.belgium.be</u> <u>clara.grillet@cert.be</u>











Page 10

How can we prioritize vulnerabilities?

Know	Know your environment! Scan internally & externally
Patch	Patch management: • Prioritize! • Fix exploited vulnerabilities first • Don't neglect internal applications

- Common Vulnerability Scoring System (CVSS v3.1)
- Apply to your own environment •
 - Impact on crown jewels •
 - Where in the network does the vulnerability exist? •
 - Possibility to move laterally? •
- Exploit sought in Underground / researched publicly / disclosed publicly? ۲

8.4

Overall

Exploit weaponized?

.

.

Exploit used by Activity Groups targeting your organization/sector? •











Crisis communication

- Be prepared for an incident: <u>https://youtu.be/-cHcTidmT1Y</u>
 - Create a cyber emergency plan + add crisis communication plan
- How to communicate?
 - Be open and honest
 - Communicate pro-actively, take control of the story
 - Rule: "We know, We do, We care"
 - 1. We know about the incident and acknowledge the problem
 - 2. We do the following steps to fix the problem ASAP
 - 3. We care about the incidents, our clients, and vendors who are impacted by it
- Have a cyber emergency plan with a contact list on paper in a secure place
- Ask help at to the CCB!
- Major incident: hire a professional crisis communication expert







Think Like an Attacker

The Importance of Attack Surface Management in Cloud Security

Nick Miles | Director Partner Channel, EMEA nmiles@censys.io

January, 2023

State of Security

The fundamentals of security are the same

- Inventory all of the assets
- Prioritize and remediate risks
- Prevent breaches

But the IT ecosystem has become more complex

- Multi-cloud adoption
- More people, offices, assets, services...
- More vulnerabilities and exposures
- Shift from 'What's mine?' to 'What's Exposed?'

Existing security solutions weren't built for this challenge

- Tools miss unknown assets and risks are fractured across multiple platforms and products
- Too many alerts and not enough context to effectively prioritize and fix critical risks



Why Attack Surface Management

Security pros are unable to comprehensively discover, manage, and protect their rapidly growing attack surface

€IDC

Gartner

Gartner forecasts worldwide public cloud enduser spending to reach nearly \$500 billion in 2022 IDC forecasts worldwide "whole cloud" spending to reach \$1.3 trillion by 2025

1 Security FOR EVERY 10 DevOps FOR EVERY 100 Devs

80%

Internet facing assets were impacted in 80% of security breaches - 2022 DBIR y/y attack surface growth

110%



of assets are potentially unknown

60%

of exposures on the Internet are misconfigurations - 2022 SOTIR

Attack Surface definition:

"the set of points on the boundary of a system, a system element, or an environment where an attacker can try to enter, cause an effect on, or extract data from."

- NIST

Attacker's Perspective

The "**think like an attacker**" perspective is a unique but essential point of view; it's important for organizations to secure not only the assets they know about, but to **secure the unknown ones** as well, as those are some of the **most vulnerable assets**.

Attackers are crawling the Internet and the cloud constantly, looking for any vulnerabilities to exploit:

80% Of security incidents involved external cloud assets in 2022

43% on average of any company's assets are unknown

69%

Of organizations experience a cyber attack that started with unknown assets

65%

of High and Critical risks live in the Cloud

110%

Attack Surface growth yearover-year

9%

of all hosts with services on the Internet are AWS, Azure, Google, and Oracle Security starts with visibility.





1000's of Cloud Projects & Accounts

(& 100's that you *don't* know about)

in

ovHcloud

aws

Azure

gM²

ogle CI

aws

OVHcloud

Azure

aws

Google Cloud

Azure

Azure

Google Cloud

aws

Azure

aws.

OVHCloud

Google Cloud

Google Cloud

Unable to comprehensively discover, manage, and protect the rapidly growing and complex attack surface.

Challenges with existing solutions:

Vendor Risk Management

No visibility into suppliers' cloud configurations

Vulnerability Management

No visibility into Shadow IT

Digital Risk Protection

No visibility into unknown attackerfacing Internet assets Cloud Security Posture Mgmt

No visibility into unknown cloud accounts and weaknesses in other critical Internet assets, like SaaS

"

We have <u>14,000 unread warnings</u> from Wiz. We don't know which are about assets exposed to the Internet.

- McKinsey

Current challenges organizations face

- 1. Vulnerability Management
- 2. Cloud Misconfiguration
- **3.** Internet of Things (IoT)
- **4.** Unknown/Unmanaged Assets
- 5. Shadow IT Groups
- 6. Identifying Public-Facing Assets
- 7. Home Networks for Remote Workers
- 8. IT Asset Inventory



"

Censys discovered <u>80% more cloud</u> <u>assets</u> than what we previously believed were online.

- New World Development

An Attack Surface Management Platform Provides:

Comprehensive Visibility

Get total visibility into your Internet and cloud exposure

Actionable Insights & Investigation

Explore context-rich attack surface results to prioritize and address your riskiest Internet weaknesses

Rapid Response & Remediation

Operationalize your attack surface insights across your critical security investments for efficiency across the organization

Critical infrastructure

Energie Sector & Utilities



Top Risks in Utilities and Energy Sector

From Censys State of the internet Report

The risk profile of the **Utilities industry** stands out because so much of it is driven by **unencrypted weak authentication pages**. While unencrypted weak authentication page is **one of the top three risks** we observe overall, it represents over half of the observed risks for this industry-driven primarily by a electric utility.

With increasing concern over **potential cyber attacks targeting Utilities**, this particular risk could offer threat actors a relatively **easy way into Utility networks unless remediated.** THE ATTACK SURFACE OF THE INTERNET

UTILITIES [EXCLUDING INTERNET] (JUNE 2022)



Figure 14a: Percentages of Censys-visible risks across hosts in the Utilities (excluding Internet) industry per ASdb, June 2022.

3 Insights Into the Colonial Pipeline Attack and Energy Infrastructure

232%

Increase in publicly accessible hosts and an 66% increase of insecure services/protocols running on the total number of hosts.

130%

Increase in expired certificates. Expired certificates drops encryption, allowing attackers to intercept user credentials to website logins.

1 in 10

Of the 10 US energy organizations Censys observed, only one has a fulltime CISO.

The **Colonial Pipeline breach** was made possible via a **reused password** on a Virtual Private Network (VPN) login lacking multifactor authentication. This **disruption prompted Censys** to utilize its Universal Internet Dataset and Attack Surface Management (ASM) platform to determine risk to and exposure of Critical Infrastructure and Key Resources (CIKR) within **the energy industry from an external, attacker perspective**.
"

For Security Pros that protect the organization, Censys is the best at finding what attackers will exploit.

www.censys.io

Who We Work With







With Nick Miles, Director Partner Channel

& Dominik Bieszczad, Senior Solutions Engineer



The Energy Sector: A Cyber Battleground

Maggie Coleman January 12, 2023

TLP:CLEAR

Agenda



Understanding the current lay of the land



Cyber attacks against the energy sector



Deep dive into destructive cyber attacks



How to protect against cyber attacks effectively





Critical infrastructure is the backbone of our society and economies with the energy sector being at its core



Energy sector plays a pivotal role among critical infrastructure sectors, with its assets being geographically dispersed and connected by systems owned by both private and public sector



Energy sector presents certain particularities that require attention from IT security and risk perspective

Complexity due to combination of legacy and new technologies	Converge	ence of IT and OT	Large attack surface and risk of geographic and cross-industrial cascading effects				
 31% b Less than a third of energy professionals assert confidently that they know what to do when confronted with a cyber threat to their organization.* 	47% • • • • • • • • • •	Fewer than half of energy professionals believe that their OT security is as robust as their IT security.** Reconnaissance of OT devices accessible via the internet massively increased between Jan - Sept 2021.**	85%	Majority of energy professionals believes a cyberattack is likely to cause operational shutdowns and damage to critical infrastructure .**			
				Source: *DNV 2022, ** IBM 2021			

Russia's war against Ukraine



Cyberattacks can be broadly categorized into three types, but are not always clearly separable from each other



Read: ransomware groups

Both financially motivated and nation-state cyberattacks against Europe's energy sector have increased in last years



• Cyberattacks affect oil transport and storage companies across Europe, partly attributed to BlackCat (ALPHV) ransomware gang

2022

- Spillover effects by AcidRain wiper deactivates remote control of 5,800 Enercon wind turbines in Germany
- Sandworm attackers attempts to deploy the Industroyer2 malware against high-voltage electrical substations in Ukraine
- German energy supplier Entega and Luxembourg energy company Encevo Group hacked by BlackCat (ALPHV) ransomware operators
 ·[]: Recorded Future®

There are two threat actors that stand out due to their persistence, sophistication, and focus on the energy sector

	Sandworm		DragonFly
Aliases	Voodoo Bear	Aliases	Energetic Bear, Berserk Bear
Emergence	Probably 2014 (FireEye)	Emergence	Probably 2011 (Symantec)
Attack types	Destructive attacks	Attack types	Espionage (surveillance and technical reconnaissance)
Attribution	Russia, allegedly unit of GRU (military intelligence)	Attribution	Russia, more specifically FSB
Targets	Mostly Ukraine, special interest in power grids	Targets	Mostly energy organisations in Europe and US
Notable attacks	 BlackEnergy Industroyer NotPetya Industroyer2 (including CaddyWiper) 	Notable attacks	Energy organisations in Europe and US

Other honorable mentions



Six key takeaways regarding cyber attacks against Europe's energy sector



Nation-state groups are the **principal threat** against organizations in the energy and utilities sectors.



Recorded Future has observed the development and use of **sophisticated malware strains** targeting energy infrastructure in addition to **the exploitation of vulnerabilities**.



Recorded Future continues to identify a **large number of exposed credentials** associated with energy organizations, in addition to the sale of **global organizations' network access**.

Ransomware operations have **proven their intent to target the energy and utilities sector** (noting that ransomware groups are mostly opportunistic in their targeting).

Hacktivist groups have experienced a resurgence in the context of the Russian invasion of Ukraine beginning in February 2022.



The Russian invasion of Ukraine has provoked a rise in activity targeting the energy sector.

3 Deep dive into destructive cyber attacks

Destructive cyber attacks are diverse in terms of required sophistication, observed prevalence, and impact

Destructive cyber attacks are cyber attacks potentially resulting in:

- death or personal injury,
- significant physical damage,

and/or

• destruction or manipulation of information, data or software, rendering them useless unless extensive restoration is undertaken.



Source: Recorded Future

Use of wiper malware is correlated with geopolitical conflicts, is becoming more sophisticated, and has potential to spill over





Source: Recorded Future

4 How to protect against cyber attacks effectively

There are five major angles on how to protect IT and OT infrastructure from an intelligence perspective

	Brand imitation and mentions	Exploits and malicious innovation	Identities	Supply chains	Attack surface
What	 (Spear-)Phishing Typosquats Waterholing Extortion sites 	New exploits kitsVulnerabilitiesNew TTPs	Credentials or whole identities	 Trojanised third party software Misconfigured trust relationships 	 Exposed systems Misconfigurations or vulnerabilities
Example attack	Iranian APT LYCEUM activity (2022); historical BlackEnergy attacks	Industroyer2 in Ukraine (2022)	Mainzer Stadtwerke in Germany (2022) or Colonial Pipeline (2021)	DragonFly targeting updates of ICS (2011-2014)	Exposed RDP access as common attack vector
Example mitigations using intelligence	 Monitor phishing frameworks Monitor domain registrations Monitor extortion sites 	 Monitor trends in tool usage (also regarding OT) Monitor tools (e.g., Manjusaka) Monitor active vulnerability exploitation 	 Monitor credential dumps and malware logs Monitor credentials leaks on code repos 	 Monitor and assess third party software (e.g., npm libraries) 	 Keep track of attack surface Reduce attack surface as far as possible

But wait: are we not already infiltrated?

BND Vice: Access to the network procured early

Since the outbreak of the Russian war against Ukraine, German security authorities have been warning of cyber attacks on the power grid. At a conference at the end of June, Wolfgang Wien, Vice President of the Federal Intelligence Service, said: "We must be aware that Russia is in our networks." Such access to the network would be procured at an early stage. "Let's assume that's prepared," said Wien. "Berserk Bear" is considered among experts as a group whose task it is to procure such access.

In December 2015, hackers carried out an extensive attack on the power supply in Ukraine. The IT systems of several substations were infected with malware called "Black Energy" and shut down. More than 200,000 people were affected, and the power went out for up to six hours. The group "Sandworm" is held responsible for the attack. According to European security authorities, it is assigned to another Russian secret service, the GRU.

Source: globalecho.com (2022)

Threat Hunting



So what are the key takeaways?



Energy sector plays a special role embedded in the ecosystem of critical infrastructure, with very specific IT security issues and risks,



There is an **increased interest** in the **energy sector** by **state-sponsored**, **financially motivated**, **and hacktivist threat actors**.



Ransomware leads financially motivated attacks.



Destructive cyber attacks on **energy sector** have mostly occurred **along conflict lines** (e.g., Ukraine) with **few spillover effects** (e.g., AcidRain).



Despite threat, there are **numerous ways** in which **threat intelligence** can be **deployed** to **mitigate**, **detect**, and **prevent cyber attacks** against **energy sector**.





Sigma as common language of cybersecurity

QCTR Q4 2022

CCB Connect & Share event

by Andrii Bezverkhyi

socprime.com | uncoder.io

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_whoami

Founded SOC Prime Inc. in 2015

Invented uncoder.io

Attributed NotPetya to Sandworm in 5 days using ATT&CK +sigma (June 28 to July 2 2017)

Officially M.A.D. on CTI since March 2022 Headlining team of 12 M.A.D. people Pro bono consultant to SSSCIP & CERT UA



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SAC

#6 oss project, download trends

Evolution of Sigma language adoption

Open Source Security Index

The Most Popular & Fastest Growing Open Source Security Projects on GitHub

Rank	Repo	Index Score \downarrow	Description	Stars	Contributors	Watcher
1	metasploit- framework	74.748	Exploitation framework: tools for	29,052	285	2,020
2	vault	63.716	Secrets management tool from Hashicorp	26,711	394	827
3	openssl	57.198	Toolkit & crypto library for Transport	20,504	370	972
4	cilium	52.712	Networking, observability, and	13,937	399	303
5	osquery	47.787	Operating system instrumentation,	19,831	375	687
6	sigma	44.985	Generic signature format for SIEM	5,889	338	299
7	oss-fuzz	41.985	Fuzz testing for uncovering	8,212	423	243
8	rubocop	41.798	Ruby static code analyzer (a.k.a. linte	12,101	398	184
9	teleport	40.432	Identity-aware, multi- protocol access pro	13,331	238	246
10	wireshark	38.486	Network traffic analyzer, for Linux	5,100	337	276



Apache License 2.0 Other OMIT License



of downloaded Detection rules Code



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So who is using Sigma rules? And how does it connect with ATT&CK?

42% of Fortune 10030% of Global 50021% of Global 2000

320+ ISV, MSSP & MDR providers*** ***42% download Microsoft Sentinel translations (KQL)

<u>94%</u> of all Sigma rules are tagged with <u>ATT&CK</u>, yet not all SIEM/EDR support ATT&CK tags, so link to ATT&CK lives in Sigma rule name or UUID



Is Sigma over 9000? Yes





Based on field feedback, SOC Prime lab testing and ATT&CK tags 2020: 20% of Sigma rules are for alerting, 80% for threat hunting 2022: 5% are for alerting, 95% for threat hunting

What happened to 15%? They need additional tuning before prod (excludes, allow lists, false-positive filters)

We lack people, time and collaboration to get above 5% today

RME

Using MITRE ATT&CK & Sigma rules as hard skills proof, new CV for our future teammates

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fortinet (5)	More Details				
zeek (3)					dala Saliwa

tikorn Sangrattanapitak

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or Bid

n Sangrattanapitak is an active member of the SOC Prime Threat Bounty Program. He started as an Information Security Engineer, ng customers with support for security solutions such as WAF, NGFW, and SIEM, Then he worked in many roles as SIEM Engineer, alyst Specialist, Threat Intelligence Analyst, and today he is a Threat Hunting, Threat Intelligence and Security Researcher.

Platform Downloads

Jelevice 12242

"Threat Bounty is a new passion for learning new detection methods."

Read Full Interview >

500+ Golden Sigma Author



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Ariel Millahuel	Rewards	Platform Rules	Platform Views	Platform D
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Author Bio

Rewards

Ariel Millahuel started off in Threat Hunting and after several years moved from a SOC to a Blue Team. In Threat Hunting, Ariel considers malware hunting, Sysmon logs, and cloud technologies to be the most important trends, while machine learning integration into the industry, in his opinion, is the weakest point.

"Sigma can change not the way of how organizations build their cyber defense but the entire scenario for blue and red teams."

Read Full Interview >



S MITRE ATT&CK

View All Author Rules >

Initial	Execution	Poreletonco	Privilege	Defense	Credential	Discourser	Lateral	Collection	Command	Extiltration
Access	LABOULION	1.0191910100	Escalation	Evasion	Access	Discovery	Movement	Conscion	and Control	CANINATION

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PRME

Sigma & ATT&CK education Training 100+ students already in 2022

COMMUNITY









We are FRPOR освіта institute МАЙБУТНЬОГО!

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Державної служби спеціального зв'язку та захисту інформації України



ABOUT VNU STRUCTURE APPLICANTS STUDENTS STUDYING INTERNATIONAL RELATIONS SCIENCE

A HOME ► UKRAINE ABOVE ALL!

OUR HEROES: YESTERDAY, TODAY, TOMORROW













RME

Sigma & ATT&CK education via Slack Sigma Rules bot for Threat Bounty

Code, test, tag with att&ck & share Sigma rules in slack

6	 Furkan Çelik 4:25 PM I sent a new rule via bot. Automatic translation was nice But it didn't direct me to enter keywords. No need to enter keywords? I I I I I I I I I I I I I I I I I I I
	Onur 4:38 PM i get it, the project looks very nice, I would like to support it. thanks a lot
	Osman 12:05 PM I'm very happy with the bot it makes my work easier
	I share the rules faster from there.

‡ slack app directory	Q Search App Directory	Browse	Manage	Build
7	Sigma Rules Bot for Threat Bounty Description Features Configuration Security & Compliance			
	Instantly craft and manage your Sigma rules			
Open in Slack	Signa Rule Bot for Threat Bounty Bigma Rule Bot for Threat Bounty Image: Signa Rule Bot for Threat Bounty Threat Bounty Bot by SOC Prime Inc.			
Learn More	Central New York (Central New York)		>	
Supported Languages English	My Signas Bades Status Feasible Starting Scheduler Chat Checkler of VBA Mason (do Hings Loud) View			
Free				
€ Get app support € Get app support C Visit developer website	Create, verify, and get your Sigma rules published to SOC Prime's Detection as Code platform via S	ilack!		
Support@socprime.com Privacy policy	Submit new detections, improve them on the Hy with the smart suggestions of the automagic Sign the rules verified by leading detection engineering experts, and monetize your contribution to the cyber defense with the SOC Prime Platform.	a tests, get global		
Categories Developer Tools New & Noteworthy	Create Sigma rules directly in Slack. Improve your rules based on the smart suggestions of the automated Sigma check. Submit your Sigma rules to review by the best engineering experts of the SOC Prime Team.			
Security & Compliance	 Discuss possible improvements to your detection on review with the SOC Prime Team represent dedicated thread. Add updates to edits to your Sigma rules which are already published to the SOC Prime's Detect Code Platform 	ative in a		
Slack conducts a brief review of apps in our Ann Directory and does not	Here are some details to bear in mind about using the Sigma Rules Bot for Threat Bounty as a cont	ent author:		
endorse or certify these apps. If you	 You need to have an activated account with the SOC Prime Threat Bounty Program. 			0

SAC

335,508 Indicators of Compromise Shared by CERT-UA team, from 2100 / 1500 cyber attacks 2022



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SAC

125 behavior Sigma rules

Developed and linked to incidents publicly disclosed by CERT-UA

Q cert.gov.ua	WHY SOC PRIME? V PLATFORM V COMMUNITY V RESOURCES V COMPANY V PRICING		SIGN UP
MITRE ATT&CK® View Authors	: All -> Platforms ->		⊥ ⊥
125 results Category	Possible Russia's Trident Ursa (Gamaredon APT) Command and Control (via proxy)	21 Dec 2022	2 🗸
process_creation (56) file_event (20) registry_event (11)	Possible FateGrab/StealDeal Execution by Stealing Files and Internet Browser Data (via process_creation)	20 Dec 2022	2 🗸
proxy (9) image_load (6)	Virtual Hard Disk File was Created (via file_event)	07 Dec 2022	2 ~
<u>View more</u> ✓ Product windows (105)	Possible Command and Control Activity by Remote Access Software Domain Communication Attempt (via dns)	01 Nov 2022	2 🗸
linux (3) Event ID	Possible Advanced IP Scanner Download Attempt (via proxy)	24 Oct 2022	2 🗸
4688 (54)	Suspicious Domain Trusts Discovery (via cmdline)	26 Sep 2022	2 🗸
11 (20) 12 (11) 13 (11)	Suspicious Sandworm Activities by Detection of Associated Commands (via CmdLine)	21 Sep 2022	2 🗸
<u>View more</u> ✓	Possible Detection of Russia-Nexus UAC-0113 Group's Warzone RAT Persistence	20 Qan 2021	

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Sigma rules to stay ahead of the threats Practical proof

2100 cyber attacks just against Ukraine in 2022
335,508 Indicators of Compromise (compute challenge)
125 behavior Sigma rules to detect all TLP:WHITE incidents
>51% of rules created in 2020-2021
SAC

We asked ChatGPT:



what is the future of sigma rules



Sigma rules are a popular open-source framework for creating and sharing rules that can be used to detect security events and incidents in log data. The use of Sigma rules has grown significantly in recent years, as they provide a simple and flexible way to define complex detection logic and make it easy to share rules between different security tools and platforms.

It is likely that Sigma rules will continue to be widely used in the future as a tool for detecting and responding to security threats. As the landscape of cyber threats and attack techniques evolves, new Sigma rules will be developed to detect these threats, and existing rules will be updated and refined to improve their accuracy and effectiveness.

Additionally, it is possible that Sigma rules will become increasingly integrated with other security tools and platforms, allowing them to be more easily used and leveraged in a wider range of scenarios. It is also possible that new tools and frameworks will emerge that build upon or extend the capabilities of Sigma rules in some way. Overall, the future of Sigma rules looks bright, and they will likely continue to be a valuable resource for security professionals for years to come.

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chatGPT can generate basic rules. sometimes.



THANK YOU!

search anything on sigma rules @ socprime.com

Translate Sigma to SIEM, EDR & Big Data queries @ uncoder.io

twitter: @andriinb

one UI & feedback, get involved @

https://github.com/socprime/the-prime-hunt

SigmaHQ https://github.com/SigmaHQ/sigma