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Caribbean Cyber
Competence Centre



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CNCS

CENTRO NACIONAL
DE CIBERSEGURIDAD
REPÚBLICA DOMINICANA



CSIRT-RD

Equipo Nacional de Respuestas a Incidentes
Cibernéticos del CNCS

QUIÉN SOY



NOMBRE DE USUARIO:
OSCAR ENCARNACIÓN LIZ



A QUÉ ME DEDICO:
INGENIER(O) EN CIBERSEGURIDAD



QUÉ ME APASIONA:
BLUE TEAM & SEGURIDAD DE LA INFORMACIÓN



EN QUÉ ME ESPECIALIZO:
GENERACIÓN DE INTELIGENCIA OBTENIDA A TRAVÉS DE PROCESOS DE CRAWLING, ANÁLISIS Y CORRELACIÓN DE DATOS MASIVOS SOBRE AMENAZAS.



EN QUÉ ME ESPECIALIZO:
PERFIL MULTIDISCIPLINAR CON CONOCIMIENTOS SOBRE ADMINISTRACIÓN DE SISTEMAS, REDES Y LENGUAJES DE PROGRAMACIÓN Y CIBER INTELIGENCIA.



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PROYECTO

EU
CYBERNET

EU CYBERNET SE PUSO EN MARCHA EN

SEPTIEMBRE DE 2019

CON EL OBJETIVO DE FORTALECER LA EJECUCIÓN, LA COORDINACIÓN Y LA COHERENCIA GLOBAL DE LOS PROYECTOS EXTERNOS DE CREACIÓN DE CAPACIDAD CIBERNÉTICA DE LA UE Y REFORZAR LA PROPIA CAPACIDAD DE LA UE PARA PROPORCIONAR ASISTENCIA TÉCNICA A TERCEROS PAÍSES EN EL ÁMBITO DE LA CIBERSEGURIDAD Y LA CIBERDELINCUENCIA.



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EN DICIEMBRE DE 2020

LA COMISIÓN EUROPEA ENCARGÓ A EU CYBERNET PARA QUE LIDERE LA CREACIÓN DE UN CENTRO REGIONAL DE CIBERCAPACIDADES EN LA REPÚBLICA DOMINICANA PARA PERMITIR UNA CREACIÓN DE CAPACIDAD MÁS ESPECÍFICA Y SISTEMÁTICA EN LA REGIÓN DE AMÉRICA LATINA Y EL CARIBE.



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METODOLOGÍA OPERATIVA DE UNA CIBER INVESTIGACIÓN



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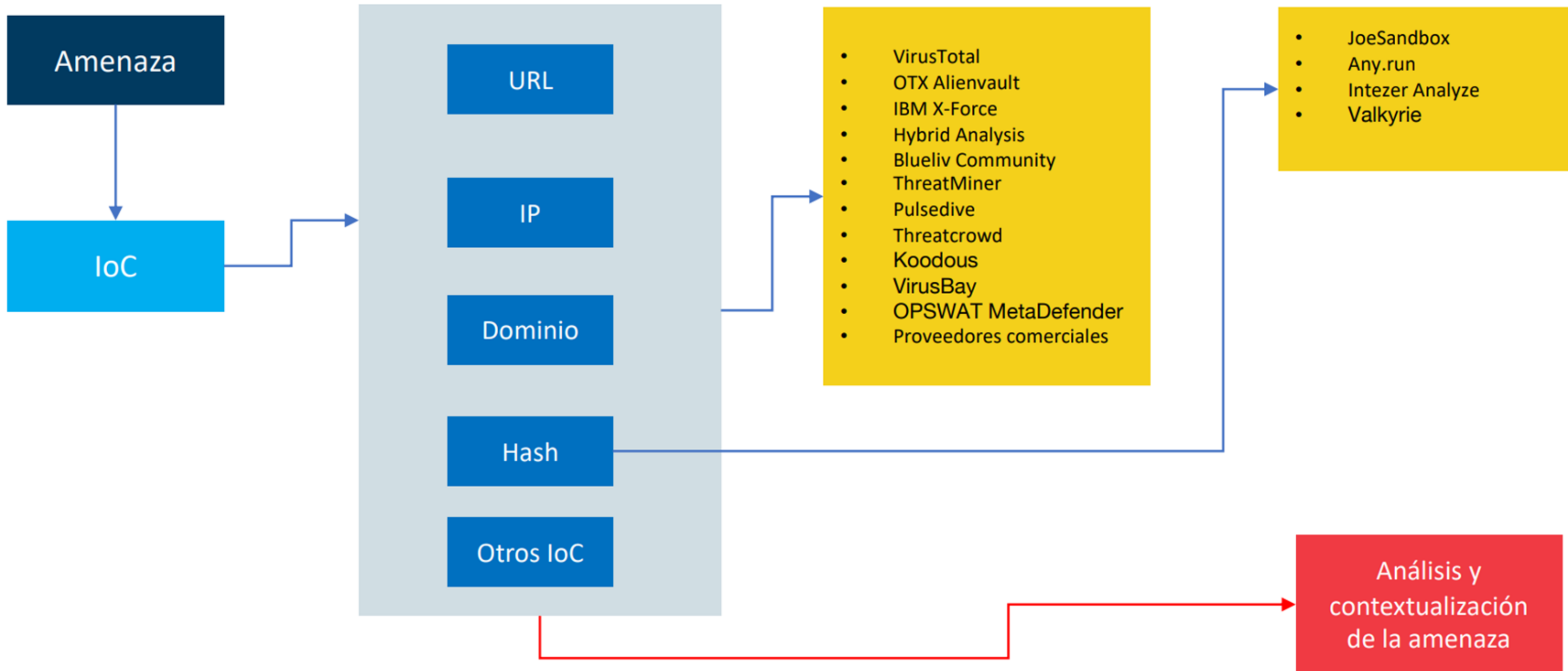
METODO Y CONTEXTO DE LA AMENAZA



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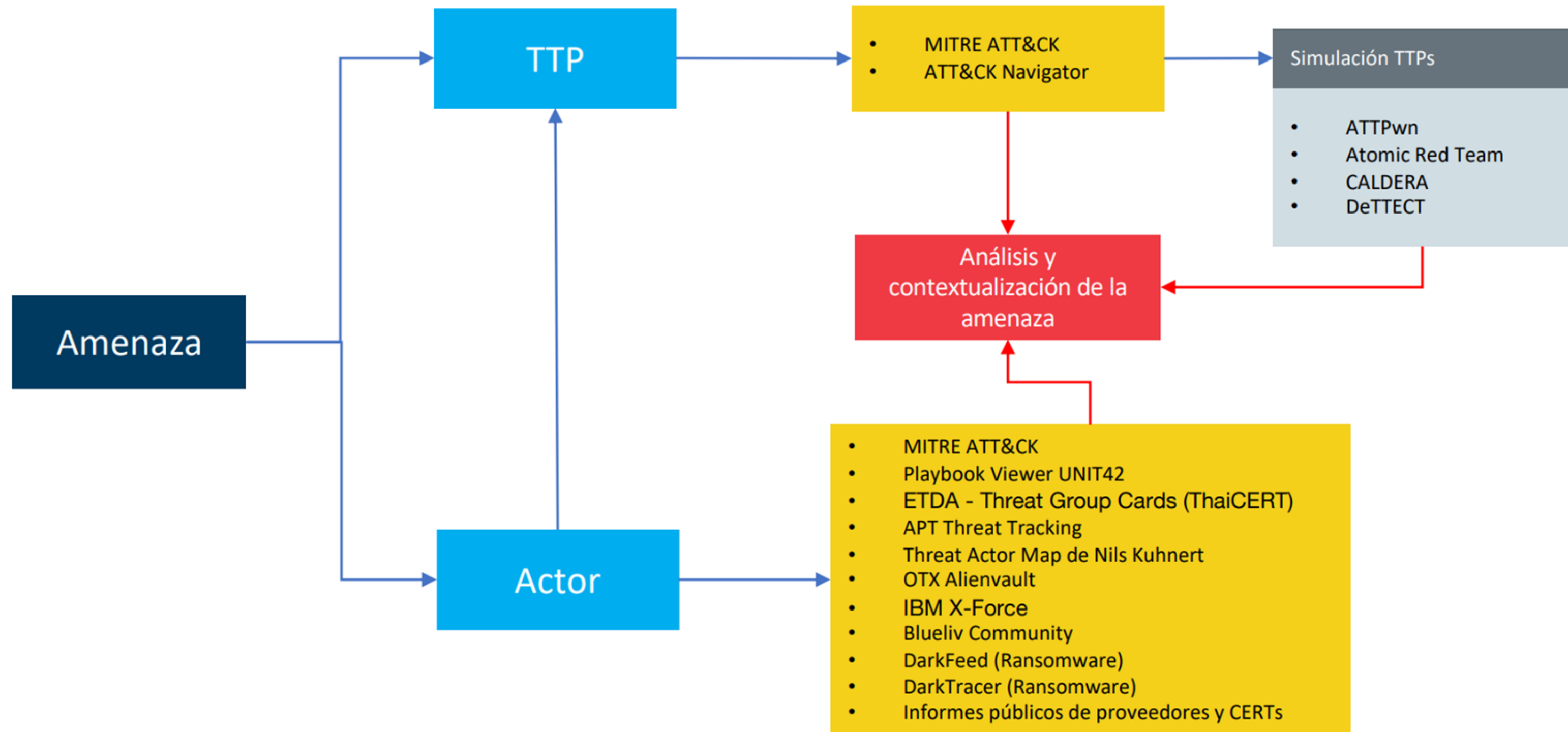


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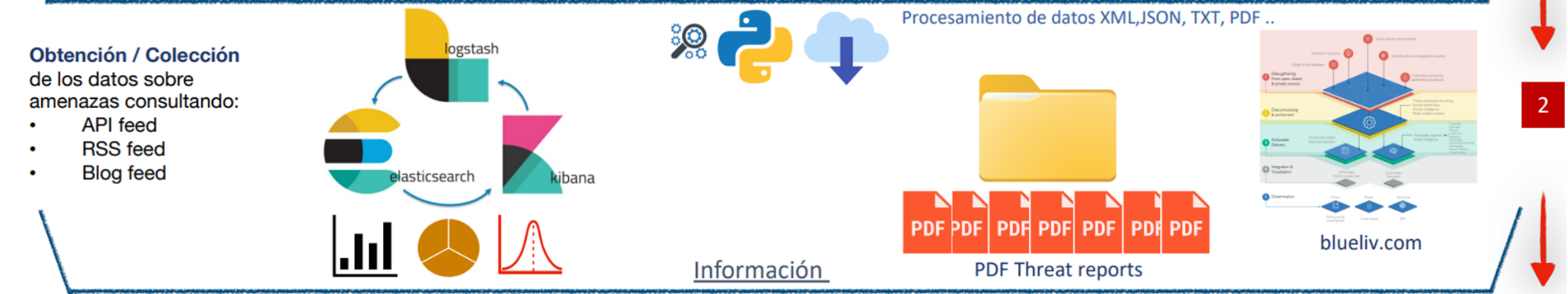


MODELADO DE AMENAZAS



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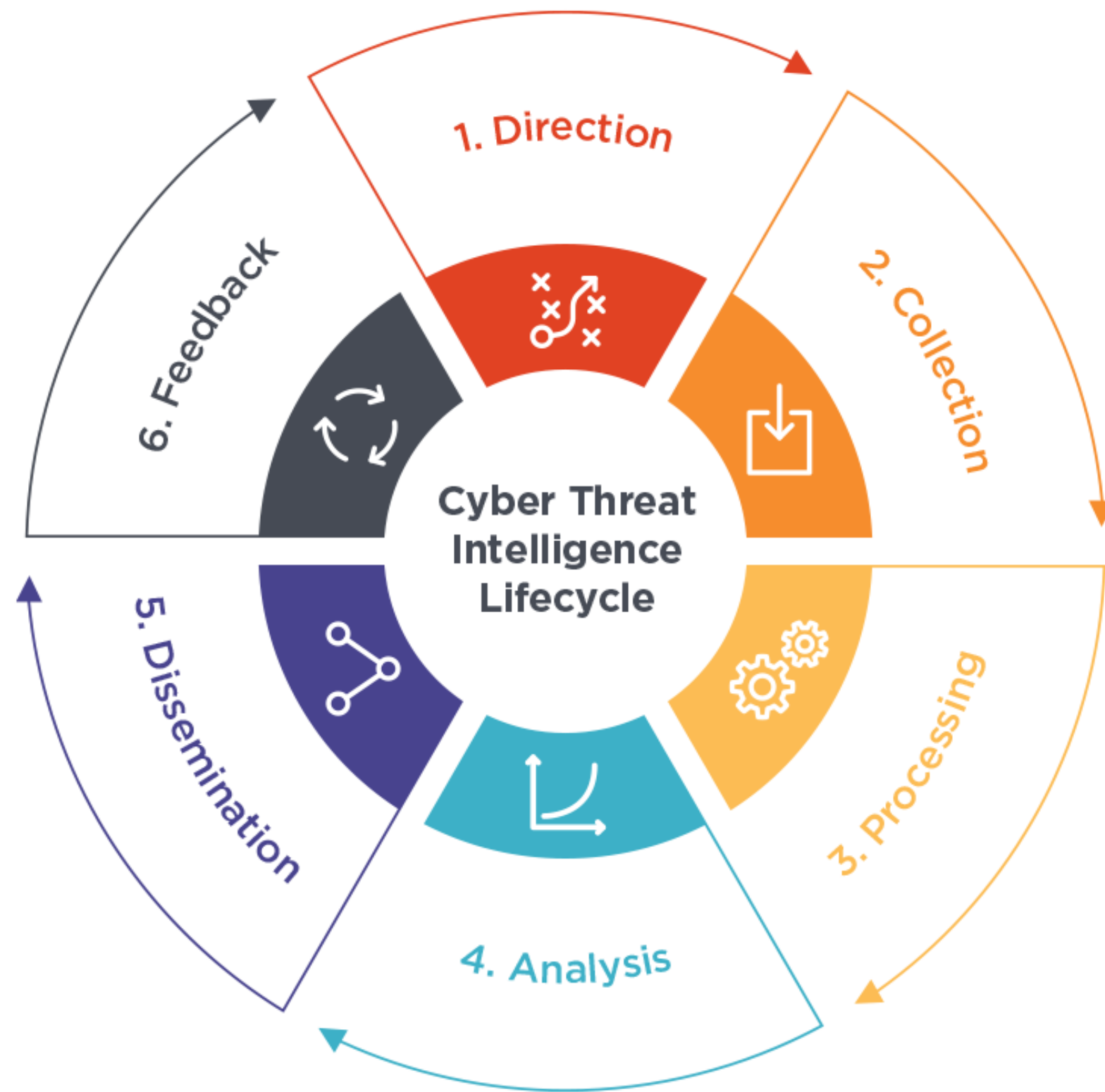
ENRRIQUECIMIENTO BASADO EN WORKFLOWS



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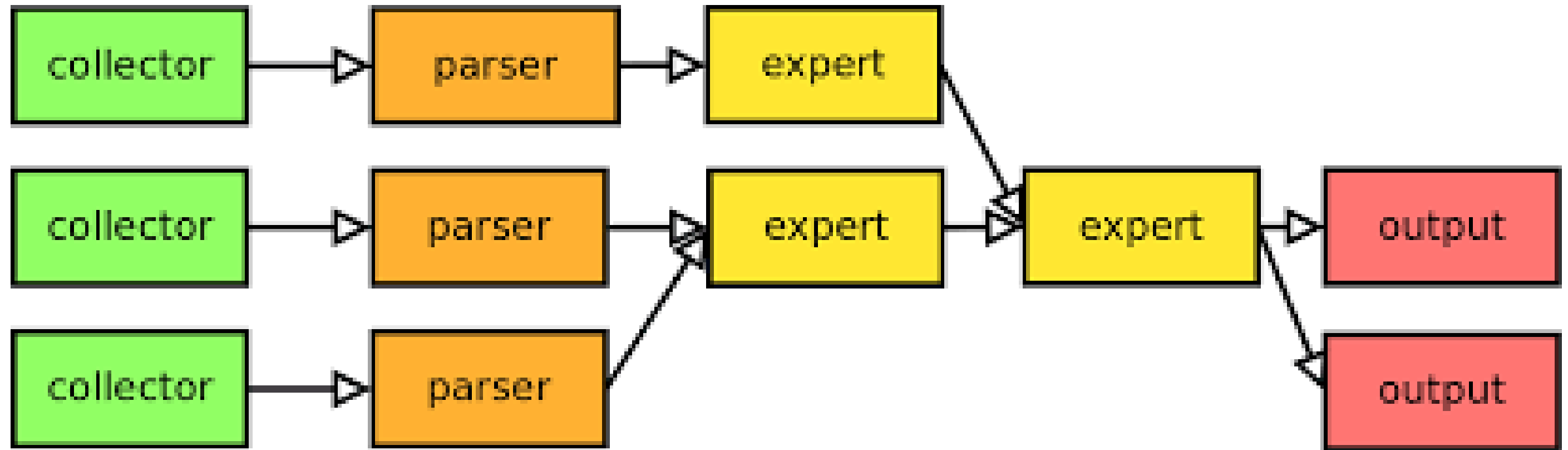
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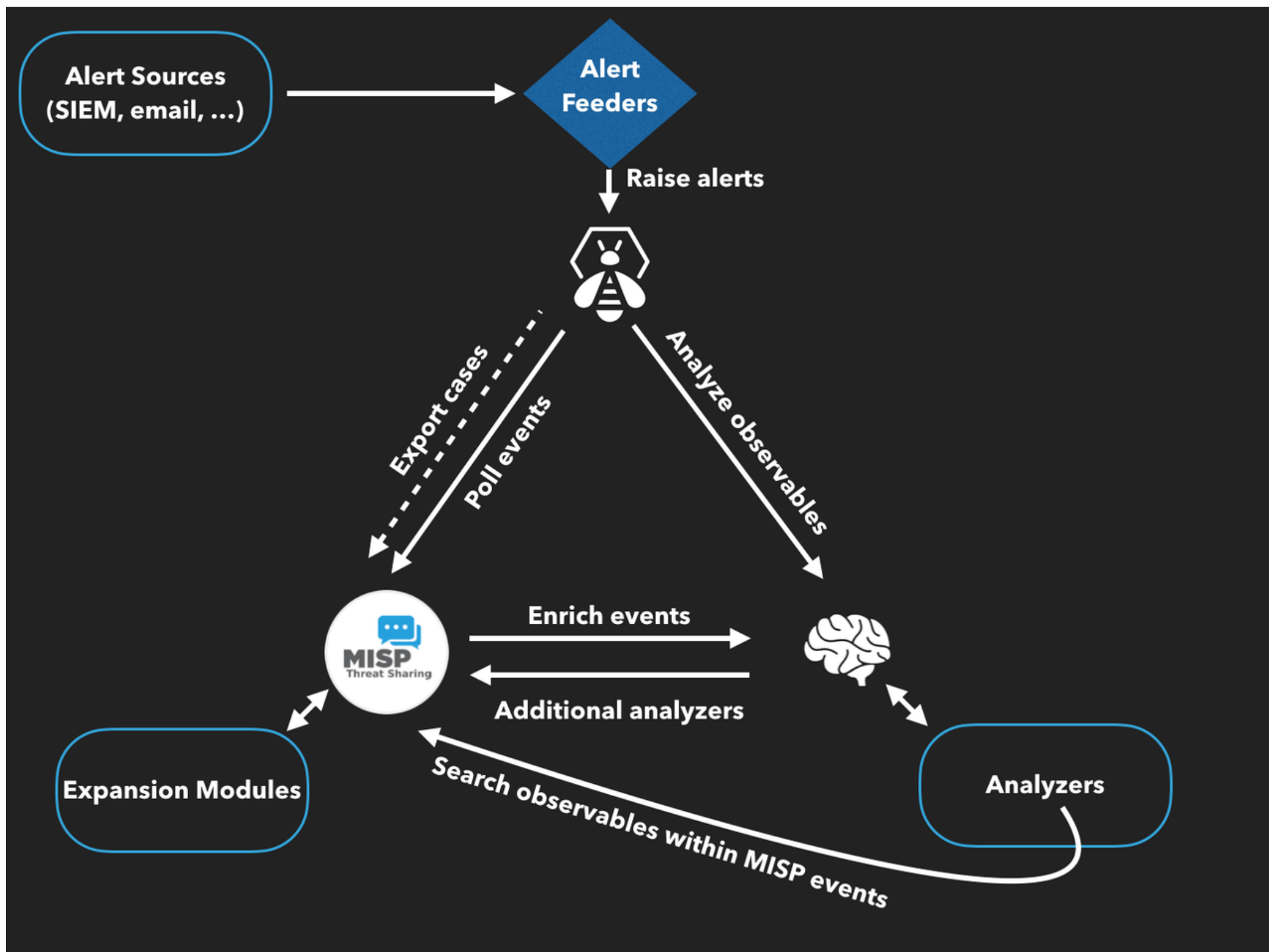
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INTELMQ





82a87a6a-88f1-4ab1-ba53-1bf15211b4b8

Type	Tracker	Date added	Level	Created by	First seen	Last seen	Tags	Email
regex	<code>\b[A-Z]{2}[0-9]{2}(?:[1]?[0-9]{4}){4}(?:[1]?[0-9]{3}){1}[1]?[0-9]{1,2})?b</code>	2019/09/12	1	admin@admin.test	2018/08/31	2019/11/28		

yyyy-mm-dd yyyy-mm-dd

Search Tracked Items

infoleak:automatic-detection="base64" infoleak:automatic-detection="phone-number" +

Date	Source	Encoding	Language	Size (Kb)
05/10/2018	pastebin.com_pro	text/plain	('rw', 1.0)	38.25

Create Event Create Case



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https://breached.to

General Cracking **Leaks** Marketplace Tutorials Tech Staff

Leaks

Category	Description	Threads	Posts	Latest Post
Games	All game leaks go here. Videos, SRC Codes and Cracked Games are all allowed.	199	6,152	Best Game 16 minutes ago by ramsay
Databases	Database dumps are posted here. • Official • Databases Removed Content	4,125	47,092	Universitas Raden Wijaya 3 minutes ago by x4v13r
Stealer Logs	Forum where you can post Stealer logs. • Stealer Log Removed Content	225	3,302	FREE ARGENTINA LOGS 37 minutes ago by SegoPadanx
Other Leaks	Ransomware Leaks, Stealer logs, Scrapes, Leads or other kinds of data that isn't considered a leaked database. • Other Leaks Removed Content	1,251	12,162	discord otp bot leaked 42 minutes ago by yooooo
Database Discussion	Forum where you can discuss & request databases. • Database Discussion Removed Content	396	2,373	HIBP - all not found leak... 1 hour ago by God
Combolists	Combolists are posted here (Cracked lines from Databases). • Combolist Removed Content	1,813	33,780	2K ROBLOX ACCOUNTS Less than 1 minute ago by 0roh

2,938 members

LP ❤️ 4 10:13 AM

LOGS - PUBx
↓ US_part4.rar
1860.0 MB

LP 🔥 4 11:05 AM

LOGS - PUBx
↓ US_part5.rar
1675.0 MB

LP 👍 7 11:29 AM

LOGS - PUBx
↓ LT-LV.rar
1038.3 MB

LP ❤️ 6 3:16 PM

LOGS - PUBx
↓ NL.rar
1930.1 MB

LP 🍌 8 ❤️ 1 3:56 PM

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```
grep -A3 -B1 -RnE '((URL |Username):.*)(gob.bo|gov\.bo)|edu\.bo|com\.bo|org\.bo)' > leaks.txt
```

BO[0B90EB87EBB4FD1D424F62501C047E1A] [2...	10/4/2022 9:48 PM	File folder
BO[0B321C885245AA2D16FA02837B305EBD] [...	10/4/2022 9:48 PM	File folder
BO[0BFD0D0BC8E6CAEC5599971529C996B1] [...	10/4/2022 9:48 PM	File folder
BO[0D05485EA6F3B345F379534373D4B3BB] [...	10/4/2022 9:48 PM	File folder
BO[0DAAA8060554D6ABA70BE5E9B4BF4F2B] [...	10/4/2022 9:48 PM	File folder
BO[0EFEC0F16C598A35DBF8D45F02A767C4] [...	10/4/2022 9:48 PM	File folder
BO[0F41F520A9431654FBC8323264C7B10C] [2...	10/4/2022 9:48 PM	File folder
BO[0FA63EAE376C04FDF415C69BC8BB8E38] [2...	10/4/2022 9:48 PM	File folder
BO[0FCEA570D87B6C6E5C4665752CA4AF23] [...	10/4/2022 9:48 PM	File folder
BO[1A9E29E4C75BBCB163572A92F603BC03] [2...	10/4/2022 9:48 PM	File folder
BO[1B69FDB82DFB555495E07614BE2CFC8D] [...	10/4/2022 9:48 PM	File folder
BO[1B70E59B2447929AC91EBB35DFBBAAB5] [...	10/4/2022 9:48 PM	File folder
BO[1B133899D533EC5FC84A1A69EAEE0CE3] [...	5/3/2022 6:50 AM	File folder
BO[1BED3F67A5714825AC5C7FC74B2C11F0] [...	10/4/2022 9:48 PM	File folder
BO[1BFDA60F357AA1ED142AD79F0D1431901 ...	10/4/2022 9:48 PM	File folder



sswords.txt-71-=====
sswords.txt:72:URL: https://salvatuagenda.tigo.com.bo/otp_login.jsf
sswords.txt-73-Username: 69208579
sswords.txt-74-Password: ██████████
sswords.txt-75-Application: Google_[Chrome]_Profile 16

sswords.txt-101-=====
sswords.txt:102:URL: <https://www.bnb.com.bo/BNBNet/IniciarSesion/IniciarIdentificador>
sswords.txt-103-Username: nsawg
sswords.txt-104-Password: ██████████
sswords.txt-105-Application: Google_[Chrome]_Profile 16

sswords.txt-111-=====
sswords.txt:112:URL: <https://www.bnb.com.bo/BNBNet/IniciarSesion/IniciarIdentificador>
sswords.txt-113-Username: loflxf
sswords.txt-114-Password: ██████████
sswords.txt-115-Application: Google_[Chrome]_Profile 16

ternational Sort)/Passwords.txt-607-=====
ternational Sort)/Passwords.txt:608:URL: <http://www.plataforma.amerinst.edu.bo/>
ternational Sort)/Passwords.txt-609-Username: riveroespinozaangela.ia
ternational Sort)/Passwords.txt-610-Password: ██████████
ternational Sort)/Passwords.txt-611-Application: Google_[Chrome]_Profile 1

ternational Sort)/Passwords.txt-617-=====
ternational Sort)/Passwords.txt:618:URL: <http://www.plataforma.amerinst.edu.bo/>
ternational Sort)/Passwords.txt-619-Username: riveroespinozajosue.ia
ternational Sort)/Passwords.txt-620-Password: ██████████
ternational Sort)/Passwords.txt-621-Application: Google_[Chrome]_Profile 1

ternational Sort)/Passwords.txt-880-=====
ternational Sort)/Passwords.txt:881:URL: <http://www.plataforma.amerinst.edu.bo/>
ternational Sort)/Passwords.txt-882-Username: riveroespinozajosue.ia
ternational Sort)/Passwords.txt-883-Password: ██████████
ternational Sort)/Passwords.txt-884-Application: Google_[Chrome]_Profile 7

ternational Sort)/Passwords.txt-945-=====
ternational Sort)/Passwords.txt:946:URL: <http://www.plataforma.amerinst.edu.bo/>
ternational Sort)/Passwords.txt-947-Username: riveroezpinozaangela.ia
ternational Sort)/Passwords.txt-948-Password: ██████████
ternational Sort)/Passwords.txt-949-Application: Google_[Chrome]_Profile 7

```
"
# Dateadded (UTC),URL,URL_status,Threat,Host,IPAddress,ASnumber,Country
"2022-10-04 00:03:08","http://200.58.91.248:44866/Mozi.m","online","malware_download","200.58.91.248","200.58.91.248","27839","BO"
"2022-10-03 12:03:06","http://200.110.48.161:56620/Mozi.m","online","malware_download","200.110.48.161","200.110.48.161","27839","BO"
"2022-10-03 03:04:06","http://201.150.183.241:45315/Mozi.m","online","malware_download","201.150.183.241","201.150.183.241","27839","BO"
"2022-10-01 06:04:06","http://200.90.145.12:54722/Mozi.m","offline","malware_download","200.90.145.12","200.90.145.12","27839","BO"
"2022-09-29 03:04:06","http://200.110.49.254:56850/Mozi.m","offline","malware_download","200.110.49.254","200.110.49.254","27839","BO"
"2022-09-27 03:04:05","http://201.150.176.149:54951/Mozi.m","offline","malware_download","201.150.176.149","201.150.176.149","27839","BO"
"2022-09-27 00:04:06","http://200.90.147.243:58912/Mozi.m","offline","malware_download","200.90.147.243","200.90.147.243","27839","BO"
"2022-09-26 16:32:05","http://200.90.145.246:44457/i","offline","malware_download","200.90.145.246","200.90.145.246","27839","BO"
"2022-09-25 00:18:06","http://200.110.49.218:48675/i","offline","malware_download","200.110.49.218","200.110.49.218","27839","BO"
"2022-09-25 00:04:07","http://200.110.57.53:52405/Mozi.m","online","malware_download","200.110.57.53","200.110.57.53","27839","BO"
"2022-09-24 19:08:06","http://201.150.183.160:36459/i","online","malware_download","201.150.183.160","201.150.183.160","27839","BO"
"2022-09-24 15:09:06","http://200.90.149.216:54681/i","offline","malware_download","200.90.149.216","200.90.149.216","27839","BO"
"2022-09-24 00:04:07","http://201.150.178.226:41671/Mozi.m","online","malware_download","201.150.178.226","201.150.178.226","27839","BO"
"2022-09-23 21:03:07","http://200.58.89.251:45414/Mozi.m","offline","malware_download","200.58.89.251","200.58.89.251","27839","BO"
"2022-09-23 15:04:06","http://201.150.179.207:60788/Mozi.m","offline","malware_download","201.150.179.207","201.150.179.207","27839","BO"
"2022-09-23 01:52:07","http://201.150.174.204:60824/mozi.m","offline","malware_download","201.150.174.204","201.150.174.204","27839","BO"
"2022-09-22 18:04:06","http://201.150.182.56:50546/Mozi.m","offline","malware_download","201.150.182.56","201.150.182.56","27839","BO"
"2022-09-22 09:04:06","http://201.150.175.47:39015/Mozi.m","offline","malware_download","201.150.175.47","201.150.175.47","27839","BO"
"2022-09-21 15:37:06","http://200.90.145.241:49105/i","offline","malware_download","200.90.145.241","200.90.145.241","27839","BO"
"2022-09-21 12:16:05","http://200.110.56.164:55685/mozi.m","offline","malware_download","200.110.56.164","200.110.56.164","27839","BO"
"2022-09-21 07:16:05","http://200.58.88.165:47084/i","online","malware_download","200.58.88.165","200.58.88.165","27839","BO"
"2022-09-20 03:04:07","http://201.150.177.22:38474/Mozi.m","offline","malware_download","201.150.177.22","201.150.177.22","27839","BO"
"2022-09-19 22:44:05","http://201.150.185.24:54931/i","offline","malware_download","201.150.185.24","201.150.185.24","27839","BO"
"2022-09-19 17:13:11","http://201.150.179.207:60788/i","offline","malware_download","201.150.179.207","201.150.179.207","27839","BO"
"2022-09-19 14:20:06","http://200.110.49.253:39796/i","offline","malware_download","200.110.49.253","200.110.49.253","27839","BO"
"2022-09-19 06:04:06","http://201.150.188.71:48604/Mozi.m","offline","malware_download","201.150.188.71","201.150.188.71","27839","BO"
"2022-09-18 19:12:05","http://201.150.186.166:47622/i","online","malware_download","201.150.186.166","201.150.186.166","27839","BO"
```



4,364

Count

1

Count

Request Map



Requests by country

Export

Country	Count
Bolivia	4,364

Top IPs

Export

IP	Country	Count
177.222.9...	Bolivia	121
181.115.1...	Bolivia	110
181.115.1...	Bolivia	92
177.222.5...	Bolivia	73
181.115.1...	Bolivia	66
2803:940...	Bolivia	66
181.115.1...	Bolivia	61
2800:cd0:...	Bolivia	53

< 1 2 3 4 5 >

Top requests by host

Export

Host	Requests
optic.gob.do	1,450

Top requests by URL

Export

Full URL.keyword: Descending	Count
https://optic.gob.do/nortic/images/sello...	295



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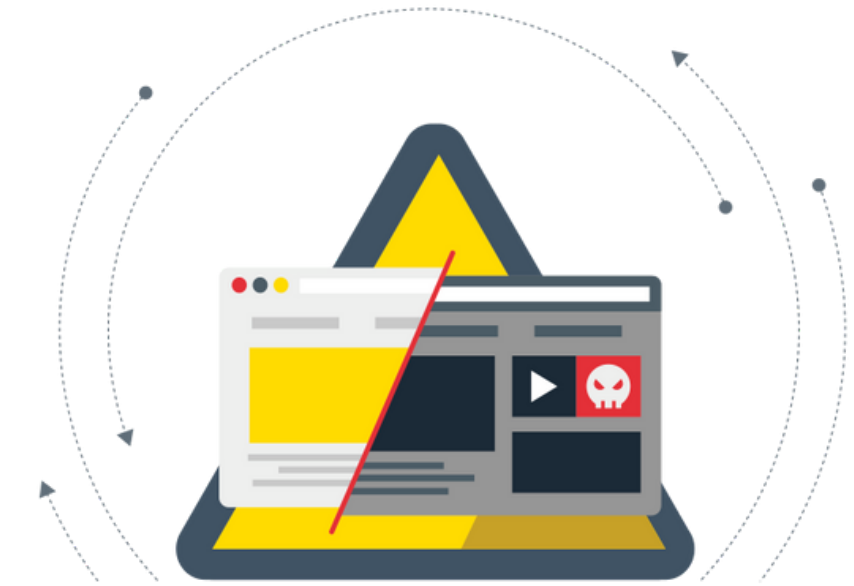


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Date, Group, Country, Domain,

2022/09/04, djebbaranon, Bolivia, sinacom.gob.bo/pwn.html

2022/08/02, djebbaranon, Bolivia, censosbolivia.ine.gob.bo



Defacement

Cuida tu web,
que no le cambien la cara



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DETECCION DE INTRUSOS CON THREAT INTEL



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Threat Intel Indicator Match

Oct 4, 2022 @ 08:32:33.000

Overview Threat Intel **1** Table JSON

Status	Severity	Risk Score	Rule
Open	Critical	99	Threat Intel Indicator Match

network event with process chrome.exe, source 192.168.104.158:49784, destination 151.139.128.11:443, by m.galvan on legal6 created critical alert Threat Intel Indicator Match.

Highlighted fields

Field	Value	Alert prevalence
host.name	legal6	7
Agent status	Unhealthy	—
user.name	m.galvan	7
Rule type	threat_match	31
destination.address	151.139.128.11	4
destination.port	443	4

Take action

X

kibana.alert.rule.name: Threat Intel Indicator Match X

Close analyzer

All Process Events

Process Name	Timestamp
smss.exe	Oct 3, 2022 @ 16:48:51.972
winlogon.exe	Oct 3, 2022 @ 16:48:52.795
userinit.exe	Oct 4, 2022 @ 07:27:23.757
explorer.exe	Oct 4, 2022 @ 07:27:23.998
chrome.exe	Oct 4, 2022 @ 07:47:49.792

TERMINATED PROCESS smss.exe

023 milliseconds

RUNNING PROCESS winlogon.exe

14 hours

TERMINATED PROCESS userinit.exe

241 milliseconds

RUNNING PROCESS explorer.exe

20 minutes

TERMINATED PROCESS chrome.exe

1 second

ANALYZED EVENT - TERMINATED PROCESS chrome.exe

Filter your data using KQL syntax

Last 24 hours Refresh

kibana.alert.rule.name: Threat Intel Indicator Match X

Open Acknowledged Closed

Updated 11 seconds ago

Group by kibana.alert.rule.name

Group by top

Threat Intel Indicator Match 31

Actions	@timestamp	Rule	Severity	Risk Score	Reason	host.name	user.name	process.n...
<input type="checkbox"/>	Oct 4, 2022 @ 08:32:33.000	Threat Intel Indicator Match	critical	99	network event with process chrome.exe, source 192.168.104.158:49784, ...	legal6	m.galvan	chrome.exe
<input type="checkbox"/>	Oct 4, 2022 @ 08:32:32.998	Threat Intel Indicator Match	critical	99	network event with process chrome.exe, source 192.168.104.158:49784, ...	legal6	m.galvan	chrome.exe
<input type="checkbox"/>	Oct 4, 2022 @ 05:28:09.160	Threat Intel Indicator Match	critical	99	network event with process System, source 85.31.46.179:37624, destinat...	SVR-WEB02	SYSTEM	System
<input type="checkbox"/>	Oct 4, 2022 @ 05:28:09.159	Threat Intel Indicator Match	critical	99	network event with process System, source 85.31.46.179:37624, destinat...	SVR-WEB02	SYSTEM	System



Investigación - IoC

- VirusTotal - <https://www.virustotal.com/gui/home/search>
- OTX Alienvault - <https://otx.alienvault.com>
- IBM X-Force - <https://exchange.xforce.ibmcloud.com>
- Hybrid Analysis - <https://www.hybrid-analysis.com>
- Blueliv Community - <https://community.blueliv.com>
- ThreatMiner - <https://www.threatminer.org>
- PhishTank - <https://phishtank.org>
- Pulsedive - <https://pulsedive.com>
- Threatcrowd - <https://www.threatcrowd.org>
- JoeSandbox - <https://www.joesandbox.com>
- Any.run - <https://app.any.run>
- Koodous - <https://koodous.com>
- VirusBay - <https://beta.virusbay.io>
- OPSWAT MetaDefender - <https://metadefender.opswat.com>



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STIX

- STIX - <https://oasis-open.github.io/cti-documentation/stix/intro.html>
- CTI STIX Validator - <https://github.com/oasis-open/cti-stix-validator>
- CTI STIX Visualization - <https://github.com/oasis-open/cti-stix-visualization>
- STIX Modeler - <https://github.com/STIX-Modeler/UI>
- Visual Studio Code - <https://code.visualstudio.com/download>
- STIX View - <https://github.com/traut/stixview>
- Jupyter STIX View - <https://github.com/traut/jupyter-widget-stixview>

Investigación - TTPs

- MITRE ATT&CK - <https://attack.mitre.org>
- ATT&CK Navigator - <https://mitre-attack.github.io/attack-navigator>

Investigación - Simulación TTPs

- ATTPwn - <https://github.com/Telefonica/ATTPwn>
- Atomic Red Team - <https://github.com/redcanaryco/atomic-red-team>
- CALDERA - <https://github.com/mitre/caldera>
- DeTTECT - <https://github.com/rabobank-cdc/DeTTECT>

Tools

- OpenCTI - <https://www.opencti.io>

CON TAC TO



OSCARLIZZ



OSCAR-ENCARNACION-LIZ



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PREGUNTAS



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MUCHAS GRACIAS

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