



Geert Baudewijns

CEO – Founder

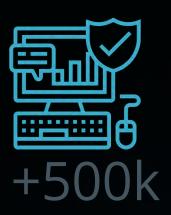
Negotiater Cybercrime



# Facts and Figures







ENDPOINTS SECURED



**CUSTOMERS** 



**65 Employees** 



**EXPERIENCE IN CYBER SECURITY** 



# **Focal Services**





# Our Partners









**BITSIGHT** 

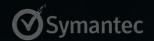


**SOPHOS** kaspersky























# 91% of all malware comes from unsafe DNS connections.

Secutec Secure DNS is a fast protocol that protects your company against malicious host names. It serves as an extra security software that protects your network against malware, phishing attacks or any other cyberattack.



Clients



**DNS Traffic** 



**400** virtual Honeypot Feeds

**CERT Feeds** – 20 to 30.000 URLs daily

New Domains - 24h blocking

**Secret Service Feeds** - Centres of Cybersecurity

**AI** - Artificial Intelligence





**DNS Provider** 







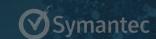














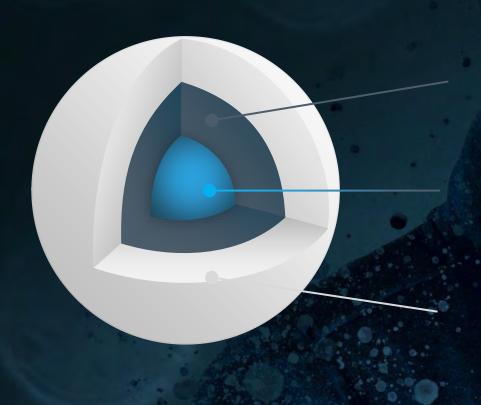












**40% Technology** 

30% Database and Intelligence

30% Experts / Data Analyses



# Benefits secureDNS

# Block faster – detect more – prevent proactively

- Reporting dashboard
- High-performant security service
- Complete network security
- SOC alerts malicious detections immediately reported

#### **Peace of mind**

- Support within 24 hours
- Implementation in less than 60 minutes



# Benefits secureDNS

## **Easy to implement**

- -System independent
- -Seamless infrastructure integration
- -No additional hardware or software required

### A safe team, wherever they work

- -Safe web browsing guaranteed
- -Fast connections assured
- -Remote and mobile cybersafety
- -We keep all your devices safe

# **Database**

SIAM Database with 35 worldwide vendors.

Vendor Database 60-90MB Secutec Database 410 GB

# Speed

Integration 20.000-30.000 daily CERT Feeds

several hours of time savings

# **Analysts**

40 Data Analysts monitore 7/24 all data

Active information in the event of a threat

# Darknet

A Kombination with Darknet Monitoring is possible

Secutec monitors 99% of bad traffic connections worldwide

## **New Domain**

New Domain blocking for the first 24 hours

More than 22% of all newly registered domains are used for cyber crime

# **False Positive**

108 Mio. daily DNS-requests monitored

Only 1 x false positive per month



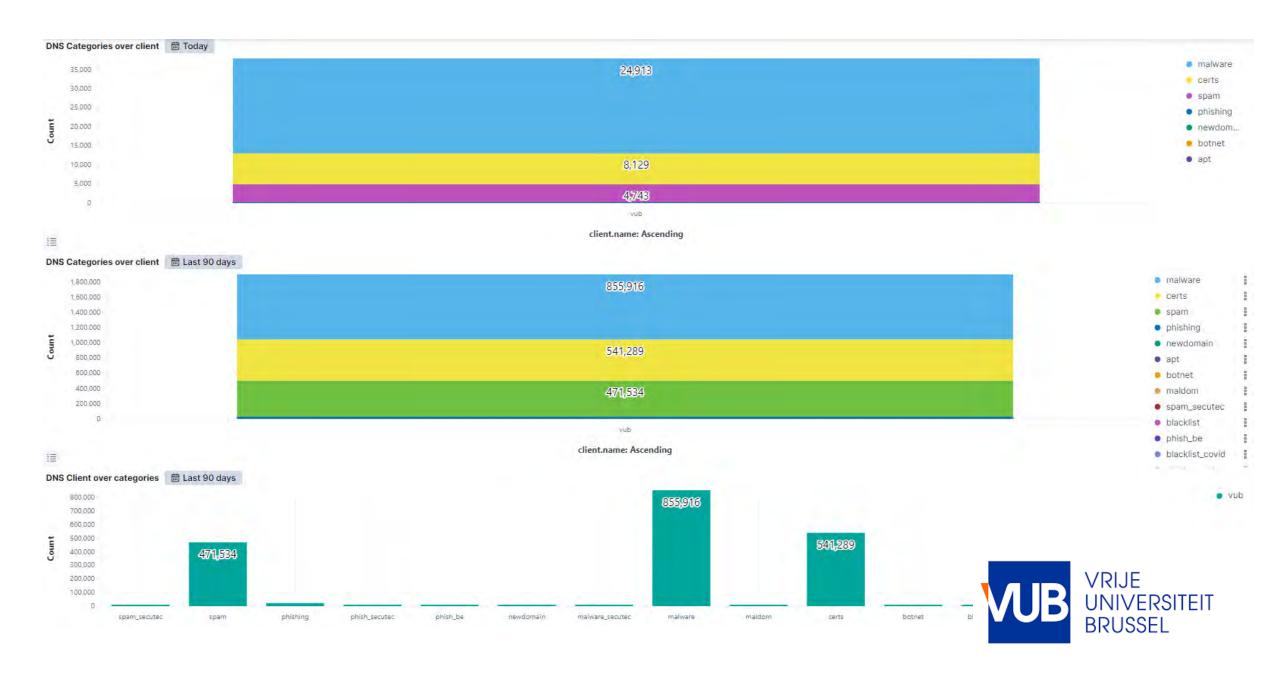
added value

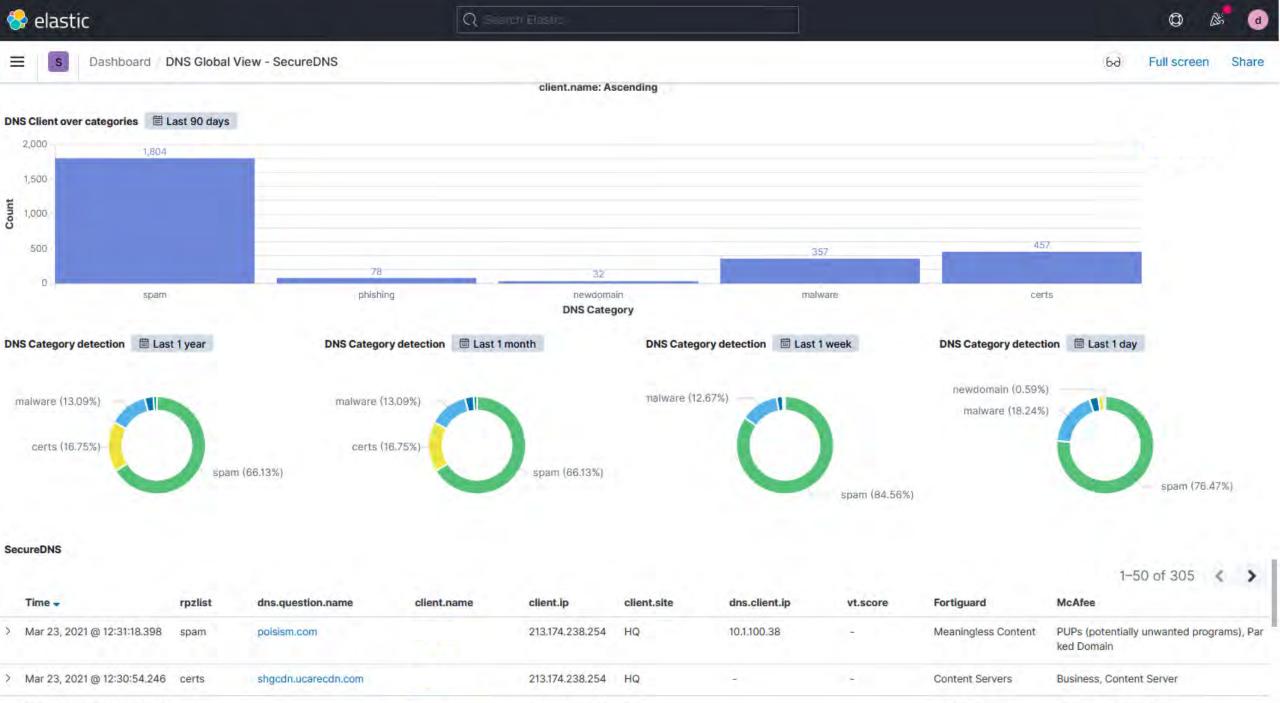
## Holistic

secureDNS = outbound traffic

secureSIGHT = inbound traffic + Clear-Web +Deep-Web +Darknet







213.174.238.254

Business, Content Server

Content Servers

> Mar 23, 2021 @ 12:30:54.230

shqcdn.ucarecdn.com



umbriawalking.com

Registrar DYNADOT, LLC 2 months ago

Creation Date

DETECTION DETAILS	S RELATIONS COMMUNITY		
CRDF	① Malicious	ADMINUSLabs	
AegisLab WebGuard	⊘ Clean	AICC (MONITORAPP)	⊘ Clean
AllenVault	⊘ Clean	aiphaMountain.al	
Antiy-AVL	⊘ Clean	Armis	○ Clean
Avira (no cloud)	○ Clean	BADWARE.INFO	
Baldu-International	⊘ Clean	benkow.cc	O Clean
Bfore,Al PreCrime	○ Clean	BitDefender	
Bluelly	⊘ Clean	Certego	⊘ Clean
CINS Army	⊘ Clean	CLEAN MX	⊘ Clean
CMC Threat Intelligence	⊘ Clean	Comodo Valkyrie Verdict	○ Clean
CyberCrime	⊘ Clean	CyRadar	○ Clean
deserimascara.me	⊘ Clean	DNS8	○ Clean
Dr.Web	○ Clean	EmergingThreats	
Emsisoft	⊘ Clean	EonScope	⊘ Clean
ESET	⊘ Clean	ESTsecurity-Threat inside	○ Clean
Forcepoint ThreatSeeker	⊘ Clean	Fortinet	○ Clean
raudScore	⊘ Clean	G-Deta	<ul><li>✓ Clean</li></ul>
Google Safebrowsing	⊘ Clean	GreenSnow	○ Clean
Hoplite industries		IPsum	⊘ Clean
K7AntiVirus	⊘ Clean	Kaspersky	⊘ Clean
MalBeacon	⊘ Clean	MalSilo	⊘ Clean
Malwared	⊘ Clean	MalwareDomainList	⊘ Clean
MalwarePatrol		malwares.com URL checker	⊘ Clean
Netcraft		Nucleon	
OpenPhish	⊘ Clean	Phishing Database	○ Clean
Phishtank	⊘ Clean	PREBYTES	○ Clean
Quick Heal	○ Clean	Outtera	(V) Clean



1 security vendor flagged this domain as malicious

umbriawalking.com

Registrar DYNADOT, LLC



DETECTION	DETAILS RELATIONS	COMMUNITY
Passive DNS Repli	cation (III	
Date resolved	Resolver	IP
2021-06-12	VirusTotal	206.81.5.96
2021-06-12	VirusTotal	207.148.10.239
2021-05-14	VirusTotal	138.197.2.20
2021-05-08	VirusTotal	149.28.197.239
2021-04-29	VirusTotal	104.207.158.220
2021-04-08	Georgia Institute of Tech nology	52,0.217.44
2021-04-07	VirusTotal	45.77.192.33
2021-01-29	VirusTotal	91.231.86.6
2020-01-27	VirusTotal	45.128.150.47
2019-02-26	VirusTotal	23.20.239.12
(***)		

#### Subdomains

www.umbnawalking.com 45.128.150.47

#### Files Referring

Scanned	Detections	Type	Name
2021-06-30	2 / 57	JavaScript	VirusShare_4aae92a3908fdfa6955084e242df7056
2021-06-15	1/57	JavaScript	87775896
2021-06-15	1/57	JavaScript	87775896
2021-06-14	2 / 57	JavaScript	87775896
2021-06-14	1/57	JavaScript	87775896
2021-06-14	1/58	JavaScript	87775896
2021-06-13	1/58	JavaScript	87775896
2021-06-13	2 / 57	JavaScript	87775896
2021-06-12	1/58	JavaScript	87775896
2021-05-27	1/57	JavaScript	87775896



#### 3 security vendors flagged this domain as malicious

ept.paypal-communication.com paypal-communication.com top-100K

Registrar MarkMonitor Inc. Greation Date 10 years ago

DETECTION DETAILS	RELATIONS	COMMUNITY		
AutoShun	① Malicious		CRDF	① Malicious
Outtera	① Malicious		ADMINUSLabs	@ Clean
AegisLab WebGuard	⊘ Clean		AICC (MONITORAPP)	⊘ Clean
AllenVault			alphaMountain.al	<ul><li>Clean</li></ul>
Antiy-AVL	⊘ Clean		Armis	(Clean
Ávira (no cloud)			BADWARE.INFO	
Baidu-International	⊘ Clean		benkow.cc	O Clean
Bfore Al PreCrime	⊘ Clean		BitDefender	○ Clean
Bluelly			Certego	⊘ Clean
CINS Army	⊘ Clean		CLEAN MX	○ Clean
CMC Threat Intelligence	⊘ Clean		CyberCrime	⊘ Clean
CyRadar	⊘ Clean		desenmascara.me	O Clean
DNS8			Dr.Web	⊘ Clean
Emerging Threats	Clean		Emsisoft	
EonScope	⊘ Clean		ESET	⊘ Clean
ESTsecurity-Threat Inside	⊘ Clean		Forcepoint ThreatSeeker	⊘ Clean
Fortinet	⊘ Clean		FraudScore	⊘ Clean
G-Data	⊘ Clean		Google Safebrowsing	@ Clean
GreenSnow	⊘ Clean		Hoplite Industries	⊘ Clean
IPsum .	⊘ Clean		K7AntiVirus	⊘ Clean
Kaspersky	⊘ Clean		MalBeacon	⊘ Clean
MalSilo			Malwared	@ Clean
MalwareDomalnList	⊘ Clean		MalwarePatrol	⊘ Clean
malwares.com URL checker			Nucleon	⊘ Clean
OpenPhish			Phishing Database	
Phishtank			PREBYTES	@ Clean
Quick Heal	⊘ Clean		Scantitan	⊘ Clean



#### ① 3 security vendors flagged this domain as malicious

epl.paypal-communication.com paypal-communication.com top-100K

Registrar MarkMonitor Inc.



DETECTION	DETAILS	RELATIONS	COMMUNITY

#### Passive DNS Replication

Date resolved Resolver IP VirusTotal 159.127.187.100 2019-12-13

#### Siblings

23.52.41.44 image.paypal-communication.com 104.106.25.50 23.194.69.133 www.paypal-communication.com 96.47.22.12 23.197.162.234 23.4.50,234 96.47.24.0 view.paypal-communication.com

#### Communicating Files

Scanned	Detections	Type	Name	
2021-02-05	1/59	Email	tpfS52Nv.exe	
2021-02-05	1/59	Email	Kf4etcaJ.exe	
2020-12-07	16 / 61	ZIP	ybDjhVws.exe	
2019-10-06	0 / 53	Email	L174HUWa.exe	
2018-07-06	0 / 57	Email	IK2KxcLt.exe	
2018-05-15	0 / 58	Email	sZJuSdaX,exe	
2021-06-17	0 / 57	Email	f5c9c808eec7e4c84acb0f2244f97c1c2e73942390f8115a1e6afe6ab0c83563	
2021-05-13	0 / 58	Email	787cd233e2eacc547f33b6d0a8b7887c2d908a843c3728882bc4de1acd6062e1	
2020-12-19	0 / 60	Email	zOzRcFCP.exe	
2020-11-19	0 / 61	Email	nárvybE6.exe	
10.00				

#### Files Referring

Scanned	Detections	Type	Name
2021-06-29	1/59	Email	[EXTERNAL] Upcoming changes to our PayPal legal agreements.eml
2021-06-26	3/69	Win32 EXE	nos_setup.exe
2021-06-22	1/58	Email	[EXTERNAL] Upcoming changes to our PayPal legal agreements.eml
2021-06-19	3 / 68	Win32 EXE	nos_setup.exe
2021-06-16	1/66	Win32 EXE	nProtectOnlineSecurity.exe
2021-05-28	3 / 61	PDF	PDF_UnknownActivity-compressed[176].pdf
2021-05-27	1/60	PDF	Information.pdf
2021-05-27	1 / 61	PDF	Informations.pdf
2021-05-24	2/69	WIn32 EXE	nos_setup.exe
2021-05-08	50 / 68	Win32 DLL	cb2b83093850faf4d9d3067f7203655etf699258
Crest.			



iclickedn.com

Registrar URL SOLUTIONS INC. 1 year ago

Creation Date

DETECTION DETAILS	RELATIONS	COMMUNITY 1		
ADMINUSLabs	① Malicious		alphaMountain.al	① Malicious
Bfore.Al PreCrime	① Malicious		CRDF	① Malicious
CyRadar	① Melicious		ESET	① Malware
Forcepoint ThreatSeeker	① Malicious		Fortinet	① Malware
Quttera	① Malicious		Sucuri SiteCheck	① Maliciou
Webroot	① Malicious		AegisLab WebGuard	⊘ Clean
AICC (MONITORAPP)	⊘ Clean		AllenVault	Clean
Antiy-AVL	⊘ Clean		Armis	⊘ Clean
Avira (no cloud)	○ Clean		BADWARE.INFO	⊘ Clean
Baldu-International	⊘ Clean		benkow.cc	⊘ Clean
BitDefender	⊘ Clean		Bluelly	
Certego	⊘ Clean		CINS Army	⊘ Clean
CLEAN MX.	⊘ Clean		CMC Threat Intelligence	⊘ Clean
Comodo Valkyrie Verdict	⊘ Clean		CyberCrime	⊘ Clean
desenmascara.me			DNS8	⊘ Clean
Dr.Web	⊘ Clean		Emerging Threats	⊘ Clean
Emsisoft	○ Clean		EonScope	⊘ Clean       □       □       □       □       □
ESTsecurity-Threat Inside	⊘ Clean		FraudScore	⊘ Clean
G-Data	⊘ Clean		Google Safebrowsing	⊘ Clean
GreenSnow			Hoplite Industries	⊘ Clean
IPsum	○ Clean		K7AntiVirus	⊘ Clean
Kaspersky	⊘ Clean		MalBeacon	⊘ Clean
MalSilo	⊘ Clean		Malwared	
MalwareDomainList	⊘ Clean		MalwarePatrol	⊘ Clean
malwares.com URL checker	⊘ Clean		Nucleon	⊘ Clean
OpenPhish	○ Clean		Phishing Database	⊘ Clean
Phishtank	⊘ Clean		PREBYTES	⊘ Clean



1 Ti security vendors flagged this domain as malicious

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top-100K

Registrar URL SOLUTIONS INC. 1 year ago

Creation Date

COMMUNITY 1 DETECTION DETAILS RELATIONS

#### Passive DNS Replication

Date resolved	Resolver	IP.	
2020-11-13	VirusTotal	104.26.13.118	
2020-11-12	VirusTotal	104.26.12.118	
2020-11-12	VirusTotal	172.67.75.9	
2020-11-05	VirusTotal	178.162.156.37	
2020-11-05	VirusTotal	178.162.156.33	
2020-11-05	VirusTotal	178.162.156.34	
2020-11-05	VirusTotal	81.171.10.206	
2020-11-05	VirusTotal	178.162.156.35	
2020-11-05	VirusTotal	178.162.156.36	
2020-06-02	VirusTotal	172.67.70.78	

#### .....

#### Communicating Files

Scanned	Detections	Туре	Name
2021-07-01	B /70	Win32 EXE	update.exe
2021-06-30	1/58	HTML	fd9446b8d92c996b0ba61743d7e3eacabb26256696ae12f2b12a09492f95e8cd
2021-06-23	55 / 70	WIn32 EXE	px01Z7FC7tMJ,exe
2021-06-16	1/62	Android	AlpineQuest GPS Hilking MOD_Updated.apk
2021-06-28	2/59	Androld	Netfilx%20MOD_latest.apk
2021-06-11	1/62	Android	ThopTV MOD_latest.apk
2021-06-11	1/62	Android	Showbox MOD_latest.apk
2021-06-07	57 / 70	Win32 EXE	Fix.exe
2021-06-07	36 / 59	RAR	MalwareBytes Premium 3.8.3.rar
2021-06-01	3/62	Androld	Coln%20Master%20MOD_latest.apk
-			

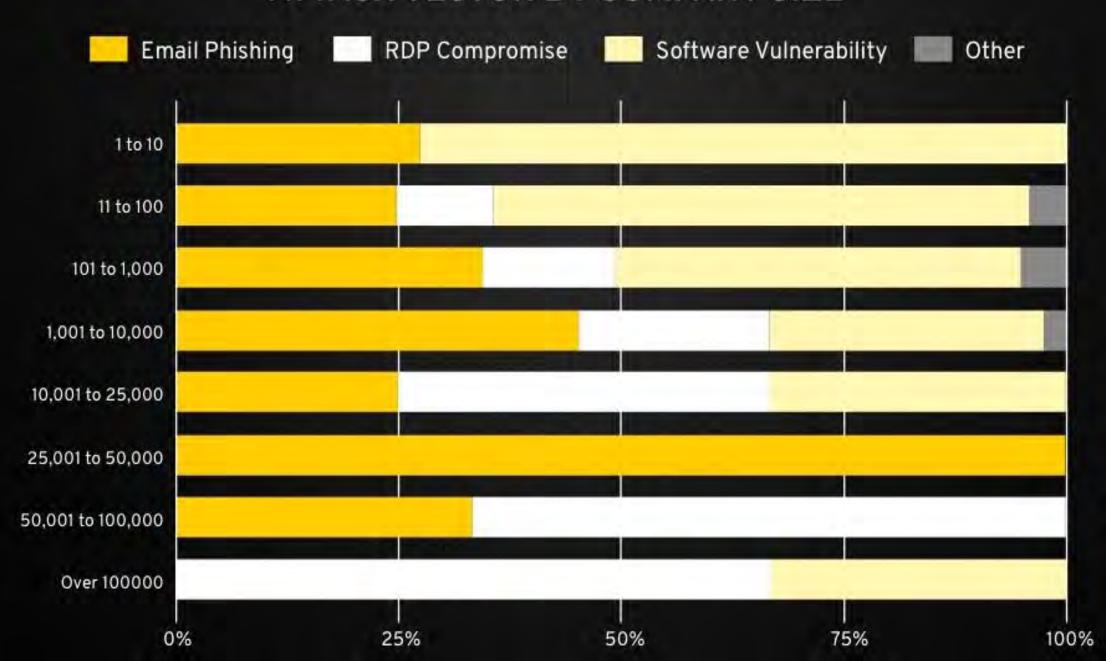
#### ....

#### Files Referring

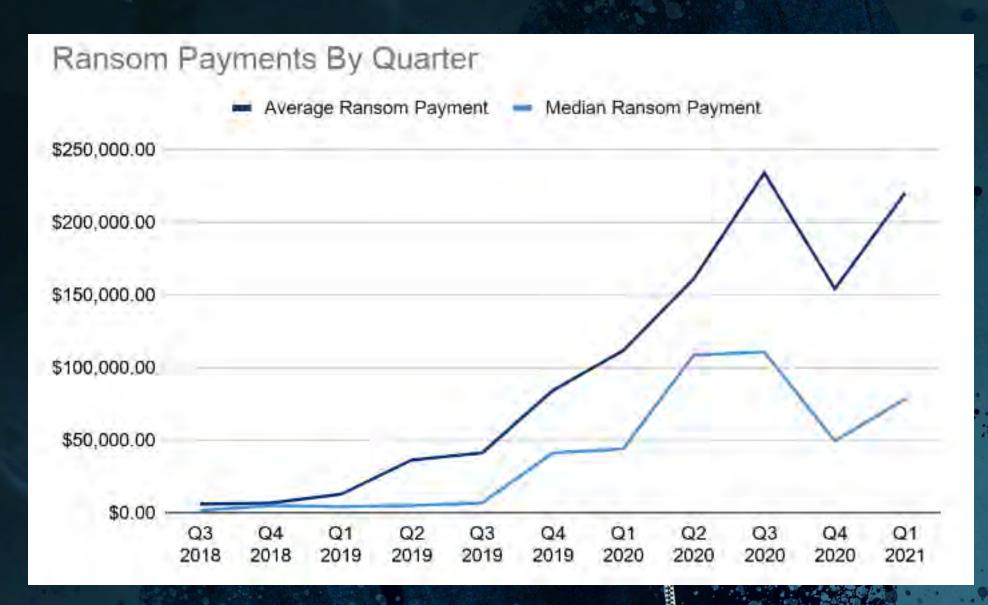
Scanned	Detections	Type	Name
2021-07-02	1/58	JavaScript	071d5c44d21c365c13133d46b93a94bc.js
2021-07-02	30 / 60	C++	071d5c44d21c365c13133d46b93a94bc.js
2021-07-01	10 / 59	JavaScript	071d5c44d21c365c13133d46b93a94bc.js
2021-07-01	4 / 57	JavaScript	071d5c44d21c365c13133d46b93a94bc.js
2021-07-01	1/54	JavaScript	73551518ff7a71fdfbef856a80b48232f7a4ce7c2faea4e0cdc2d60149652451
2021-07-01	17 / 55	JavaScript	071d5c44d21c365c13133d46b93a94bc.js
2021-07-01	2/58	JavaScript	071d5c44d21c365c13133d46b93a94bc.js
2021-07-01	31 / 60	Text	071d5c44d21c365c13133d46b93a94bc.js
2021-07-01	2/58	JavaScript	071d5c44d21c365c13133d46b93a94bc.js
2021-07-01	1/58	JavaScript	a5be6ccbda184fad7c228a1690321c0964a34bee8704e8cce28704def7579212
(888)			



# ATTACK VECTOR BY COMPANY SIZE









#### **Press releases:**

"Antwerp IT company Itxx pays 252.000 euros ransom after Conti ransomware attack"

"Ransomware attack is over, at cost of \$300,000"

"Antwerp ICT service provider Itxx victim of cyber attack"



## When a ransomware hit your company:

- ✓ First 48 hours
- √Forensic investigation onsite
- ✓Info on the Darknet
- ✓ Start negotiation
- ✓ Prioritise stakeholders in your company
- ✓ Prioritise data in your company
- ✓ Methodology of the recovery
- √Clear strategy

#### In all cases:

- ✓You need in best case 1 month to rebuild the network
- ✓ Never forget the human part
- ✓ Best teambuilding ever!

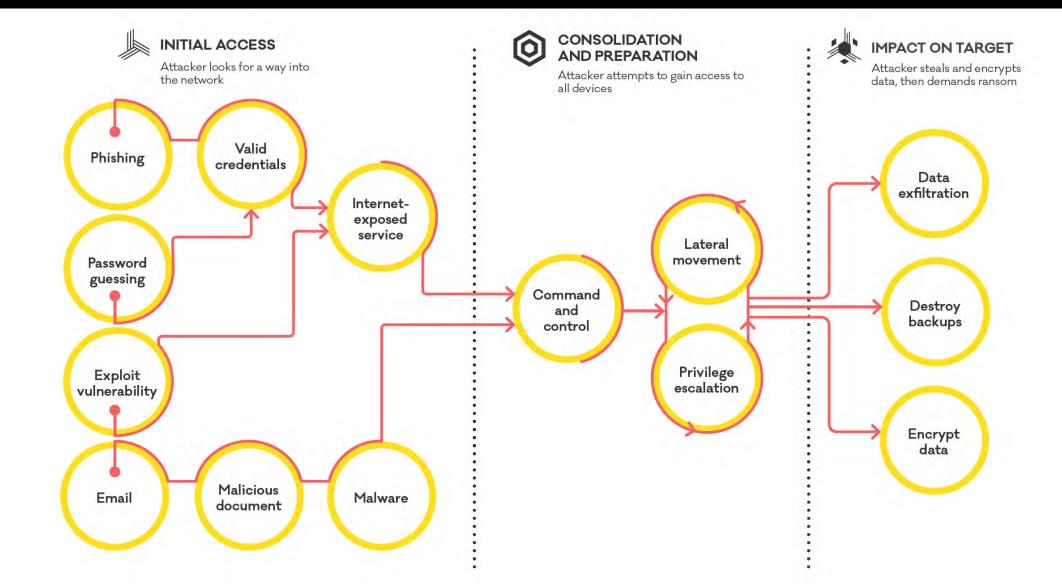


The digital footprint of your company is constantly growing, and with it the digital risk. SecureSIGHT is a managed service that shows and evaluates the attack surfaces for cybercrime in your company.



# Lifecycle of a Ransomware Insident







# Weekly Vulnerability Scanning

- High-level look at possible vulnerabilities
- coverage for more than 65K vulnerabilities
- SOC alerts detections immediately reported

## AP hogeschool

BROWSE RESULTS

15,483 IPs monitored

// USAGE

// SERVICES

Top Open Ports Ports discovered on your netwo	rk range(s)
8008	2
443	1
80	1
8010	
21	
53	
2222	
8080	
8081	

Notable Ports	0000000000
Services that typically aren't publicly	accessible.
8008	20
8010	
2222	
8081	

Top **Vulnerabilities**No vulnerabilities identified

 Potential Vulnerabilities

 Implied based on the software and version

 cve-2006-7243
 2

 cve-2010-1452
 2

 cve-2010-2068
 2

 cve-2010-2950
 2

 cve-2010-3436
 2

 cve-2010-3709
 2

// EXPOSURE MAPS

A heat map of open ports by IP address, Light red means fewer ports, bright red means more ports and grey means there's no information available.



193.191.187.192/26

// NOTABLE IPS

193.191.187.233 21 80 443 8008 **startits**  193.191.187.252 80 443 8008 8010 self-signed

193.191.187.232 21 80 443 8008 starttts **193.191.187.243** 80 443 8080 8081

**193.191.187.195** 80 443 8008 8010 **193.191.187.198** 80 443 8008 8010 193.191.187.222 53 8008 8010 193.191.187.203 80 443 8008

**193.191.187.253** 80 443 2222 193.191.187.229 80 443 8008

193.191.187.221 53 8008 8010 **193.191.187.241** 80 443 8008

193.191.187.231 80 443 8008 193.191.187.244 80 443 8008 193.191.187.194 443 8008 8010 193.191.187.215 8008



# Account Takeover Fraud Prevention and Monitoring

- Recover the most current breached data directly from the criminal underground
- User credentials: email/username and password
- Dark Web Monitoring











20,541,220



Private Data @

4,070,942



Private Data @

2,925,446



Number of Records



Private Data @

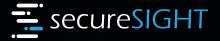


#### Redline Stealer

Redline is a Windows-targeted stealer designed to grab form data such as IP addresses, browsing history.

2,787,963

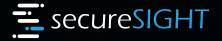




# Active Manged Threat hunting

- Weekly parsing of all connections to find suspicious connections
- 70% of all continental internet traffic;99% visibility on all malicious connections
- 35 Security Vendor Feeds

↓ Time (start_time)  ∨ _index  ∨	∨ src_ip_addr ∨ sr ∨	∨ src ∨ prov <sup>†</sup>	1.r v pro.	v pro.	v prov	/ v whois.s	src v who v	num_pkts v nu	m_octets v p	proto v dst_ip_addr v dst v	dst_port v pr	v pro	∨ pr	∨ prov1.r ∨
≥ Sep 11, 2021 @ 08:39:34.0 traffic-ozbe	185.162,31.74 BE	443 -	-	-	-	-	1-	16	7.3KB	6 176.126.253 RO	46,303 75	bot	-	gumblar
≥ Sep 11, 2021 @ 08:39:31.0 traffic-ozbe	185.162.31.74 BE	443 -	(-	-	2)	-	21	87	111.3KB	6 176.126.253 RO	39,827 75	bot	12	gumblar
≥ Sep 11, 2021 @ 04:13:05.0 traffic-ozbe	185.162,31.74 BE	443 -	10-	-	-	14	7	87	111.2KB	6 185.193.52.1 RO	45,327 48	bot	-	poseidon
∠ Sep 11, 2021 @ 03:29:11.0 traffic-ozbe	185.162.31.74 BE	443 -	141			- 4	4	22	23.1KB	6 45.128.133.2 BE	44,505 75	bot	- 15	gumblar
≥ Sep 11, 2021 @ 03:29:10.0 traffic-ozbe	185.162,31.74 BE	443 -	15	-	-		140	28	26.6KB	6 45.128.133.2 BE	35,861 75	bot	-	gumblar
₹   Sep 11, 2021 @ 03:29:08.0 traffic-ozbe	185.162.31.74 BE	443 -	(4)	1-1	-	2	140	28	26.6KB	6 45.128.133.2 BE	37,178 75	bot	1	gumblar
P Sep 11, 2021 @ 01:43:09.0 traffic-ozbe	176.62.171.70 BE	443 -	-	-	3	l.e.	(74)	3,000	4.3MB	6 118.193.41.1 HK	39,672 75	bot	+	minerpanel
∠ Sep 11, 2021 @ 00:01:21.0 traffic-ozbe	185.162.31.74 BE	443 -	[4]	10.2	-	12	- 4	13	7.2KB	6 82.221.131.71 IS	44,502 75	bot	1	gumblar
≥ ( Sep 11, 2021 @ 00:01:16.0 traffic-ozbe	185.162,31.74 BE	443 -	1,0	-	-	+	140	56	121.1KB	6 82.221.131.71 IS	38,436 75	bot	+	gumblar
₹   Sep 10, 2021 @ 23:25:03.0 traffic-ozbe	185.162.31.74 BE	443 -	10-11	-	3	-	(4)	15	7.3KB	6 185.193.52.1 RO	44,215 48	bot	2	poseidon
∠ Sep 10, 2021 @ 23:24:57.0 traffic-ozbe	185.162.31.74 BE	443 -	10-11	-	-	- 17	7	214	419.5KB	6 185.193.52.1 RO	33,313 48	bot	12	poseidon
√ Sep 10, 2021 @ 23:22:30.0 traffic-ozbe	185.162.31.74 BE	443 -	1,411		-		i i	19	23KB	6 185.195.79.1 TR	37,235 75	bot	-3-	gumblar
≥ Sep 10, 2021 @ 23:22:29.0 traffic-ozbe	185.162,31.74 BE	443 -	9,5, 9	-	2	+	+2	24	26.4KB	6 185.195.79.1 TR	36,297 75	bot	7	gumblar
∠ □ Sep 10, 2021 @ 22:02:54.0 traffic-ozbe	185.59.17.118 BE	443 -	(-)	-		2	211	15	6.7KB	6 195.176.3.20 CH	51,428 75	bot	-	gumblar
	185.162,31.74 BE	443 -	T <sub>C</sub>	-	100	j.+	9	35	34.3KB	6 176.126.253 RO	41,321 75	bot	7	gumblar
	185.162.31.74 BE	443 -	[4]	10.3	-	12	-	31	34.5KB	6 176.126.253 RO	44,881 75	bot.		gumblar
≥ Sep 10, 2021 @ 21:25:51.0 traffic-ozbe	185.162,31.74 BE	80	1,31	-	-	-	-	12	31.8KB	6 5.182.210.216 NL	39,963 75	bot	-	gumblar
∠   Sep 10, 2021 @ 20:57:17,0 traffic-ozbe	185.162.31.74 BE	443 -	1(-1	-	(8)	1-	(4)	27	34KB	6 27.122.59.100 SG	42,305 75	bot	12	gumblar
∠ Sep 10, 2021 @ 20:51:57.0 traffic-ozbe	185.162,31.74 BE	443 -	10-11	-	-	+	7	24	33.9KB	6 185.216.32.1 BG	36,311 75	bot		gumblar
∠ Sep 10, 2021 @ 20:51:55.0 traffic-ozbe	185.162.31.74 BE	443 -	141	-	-		-	25	34.3KB	6 185.216.32.1 BG	46,403 75	bot	-	gumblar
∠ Sep 10, 2021 @ 20:44:41.0 traffic-ozbe	185.162,31.74 BE	443 -	45.0	-		-		23	29.9KB	6 185.195.79.1 TR	37,019 75	bot	12	gumblar



# Managed EDR on Servers

- Detect suspicious activity on your network
- EDR in monitoring mode

