



OpenCVE

« **CVE Alerting Platform** »

OSSIR – 11/07/2023

Bonjour

Je suis Nicolas Crocfer



@ncrofer



/nicolascrofer

A decorative network diagram in the top-left corner, consisting of various sized grey circles (nodes) connected by thin grey lines (edges). Some nodes are solid, while others are hollow with a dashed border. The network is dense and irregular.

1.

OpenCVE “v1”

Présentation de la solution actuelle

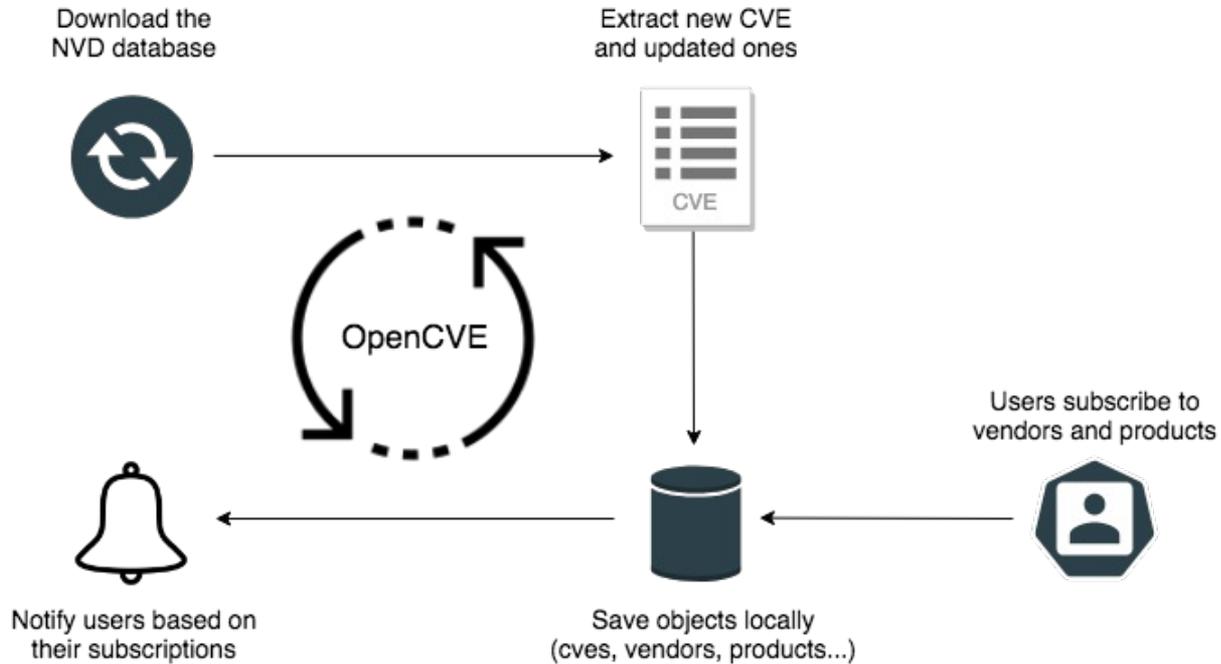
Présentation d'OpenCVE v1



- ◎ Solution web de **vulnerability management** (<https://opencve.io>)
- ◎ **Télécharge** périodiquement les nouvelles **vulnérabilités** publiées par le NVD
- ◎ Permet d'**explorer** la base de données (par CVSS, CWE, Vendor, Product...)

Alerte les utilisateurs en fonction de leurs **abonnements**

Présentation d'OpenCVE v1





Vulnerabilities (CVE)

OpenCVE > Vulnerabilities (CVE)

Filtered by vendor **Microsoft**

Unsubscribe



Select a tag

Filter by CVSS v3 score

Search in CVEs

Search



TOTAL

15198 CVE

CVE	Vendors	Products	Updated	CVSS v2	CVSS v3
CVE-2019-5695	2 Microsoft, Nvidia	3 Windows, Geforce Experience, Gpu Driver	2022-01-01	6.9 MEDIUM	6.5 MEDIUM
NVIDIA GeForce Experience (prior to 3.20.1) and Windows GPU Display Driver (all versions) contains a vulnerability in the local service provider component in which an attacker with local system and privileged access can incorrectly load Windows system DLLs without validating the path or signature (also known as a binary planting or DLL preloading attack), which may lead to denial of service or information disclosure through code execution.					
CVE-2019-5694	2 Microsoft, Nvidia	2 Windows, Gpu Driver	2022-01-01	4.4 MEDIUM	6.5 MEDIUM
NVIDIA Windows GPU Display Driver, R390 driver version, contains a vulnerability in NVIDIA Control Panel in which it incorrectly loads Windows system DLLs without validating the path or signature (also known as a binary planting or DLL preloading attack), which may lead to denial of service or information disclosure through code execution. The attacker requires local system access.					
CVE-2019-9491	2 Microsoft, Trendmicro	2 Windows, Anti-threat Toolkit	2022-01-01	5.1 MEDIUM	7.8 HIGH
Trend Micro Anti-Threat Toolkit (ATTK) versions 1.62.0.1218 and below have a vulnerability that may allow an attacker to place malicious files in the same directory, potentially leading to arbitrary remote code execution (RCE) when executed.					
CVE-2020-0646	1 Microsoft	9 .net Framework, Windows 10, Windows 7 and 6 more	2022-01-01	10.0 HIGH	9.8 CRITICAL
A remote code execution vulnerability exists when the Microsoft .NET Framework fails to validate input properly, aka '.NET Framework Remote Code Execution Injection Vulnerability'.					
CVE-2019-17021	3 Microsoft, Mozilla, Opensuse	4 Windows, Firefox, Firefox Esr and 1 more	2022-01-01	2.6 LOW	5.3 MEDIUM
During the initialization of a new content process, a race condition occurs that can allow a content process to disclose heap addresses from the parent process. *Note: this issue only occurs on Windows. Other					



CVE-2021-44228

Apache Log4j2 2.0-beta9 through 2.12.1 and 2.13.0 through 2.15.0 JNDI features used in configuration, log messages, and parameters do not protect against attacker controlled LDAP and other JNDI related endpoints. An attacker who can control log messages or log message parameters can execute arbitrary code loaded from LDAP servers when message lookup substitution is enabled. From log4j 2.15.0, this behavior has been disabled by default. From version 2.16.0, this functionality has been completely removed. Note that this vulnerability is specific to log4j-core and does not affect log4net, log4cxx, or other Apache Logging Services projects.

CVSS v3.0

10.0 CRITICAL

CVSS v2.0

9.3 HIGH

10.0/10

CVSS v3.0 : CRITICAL

V3 Legend ↕

Attack Vector **NETWORK**

Confidentiality Impact **HIGH**

Attack Complexity **LOW**

Integrity Impact **HIGH**

Privileges Required **NONE**

Availability Impact **HIGH**

User Interaction **NONE**

Scope **CHANGED**

Vector :

Exploitability : 3.9 / Impact : 6.0

Tags

Information

Published : 2021-12-10 10:15

Updated : 2021-12-28 19:32

[NVD link : CVE-2021-44228](#)

[Mitre link : CVE-2021-44228](#)

<> **JSON object : View**

Products Affected

netapp

- ontap_tools
- cloud_secure_agent
- oncommand_insight
- active_iq_unified_manager
- cloud_manager
- cloud_insights
- snapcenter

cisco

- automated_subsea_tuning
- integrated_management_controller_supervisor
- enterprise_chat_and_email

References

Link	Resource
https://logging.apache.org/log4j/2.x/security.html	Release Notes Vendor Advisory
http://www.openwall.com/lists/oss-security/2021/12/10/1	Mailing List Mitigation Third Party Advisory
http://www.openwall.com/lists/oss-security/2021/12/10/2	Mailing List Mitigation Third Party Advisory
http://packetstormsecurity.com/files/165225/Apache-Log4j2-2.14.1-Remote-Code-Execution.html	Third Party Advisory VDB Entry
https://security.netapp.com/advisory/ntap-20211210-0007/	Vendor Advisory



Last CVE Updates subscriptions

01 Jan 2022



CVE-2019-9461 has changed </>

20:19

In the Android kernel in VPN routing there is a possible information disclosure. This could lead to remote information disclosure by an adjacent network attacker with no additional execution privileges needed. User interaction is not needed for exploitation.

CVSS v3 **6.5 MEDIUM**

CVSS v2 **3.3 LOW**

CVSS changed



References changed

3 changed, 0 added, 0 removed



CWEs changed

1 added, 1 removed



Vendors

1 Google

Products

1 Android



CVE-2019-13713 has changed </>

20:12

Insufficient policy enforcement in JavaScript in Google Chrome prior to 78.0.3904.70 allowed a remote attacker to leak cross-origin data via a crafted HTML page.

CVSS v3 **6.5 MEDIUM**

CVSS v2 **4.3 MEDIUM**

References changed

1 changed, 0 added, 0 removed



CPEs changed

1 added, 0 removed



Dashboard Options

- Display all activities
- Display subscriptions activities

Subscriptions

Vendors (7)

Linux Cisco Python 101 Project Microsoft Puppet Google

Products (6)

Wordpress 3c16950-us Application Security Manager Appliance Big-ip 10250v Mac Os X Log4j

Tags

sysadmin python P1 P2 P3 critical dev opencve

Last Reports

Date	Vendors & Products
01/01/22	Google, Linux, Microsoft
01/01/22	Google, Linux, Microsoft



Subscriptions

Tags

Notifications

Settings

Report filters

Receive a notification when:

- a new CVE is created
- one of your subscriptions appears for the first time in an existing CVE

When a CVE is updated, receive a notification when:

- its CVSS score changes
- its CPE list changes
- its summary changes
- its CWE list changes
- its references list changes

Receive a notification when the CVSSv3 score is greater than or equal to :

Note that this setting does not affect CVE that do not have CVSS.

Save changes

Emails

Enable email notifications

- Yes
- No

Email frequency

Save changes

4 alerts on Linux Boîte de réception x



OpenCVE.io <no-reply@opencve.io>

À moi ▾

mer. 5 juil. 21:15 (il y a 6 jours)



🌐 anglais ▾ > français ▾ [Traduire le message](#)

Désactiver pour : anglais x



View the [full report](#).

Linux

[CVE-2023-34460](#) - 9.8

Tauri is a framework for building binaries for all major desktop platforms. The 1.4.0 release includes a regression on the Filesystem scope check for dotfiles on Unix. Previously dotfiles were not implicitly allowed by the...

Changes : *CVSS changed, Vendors/Products appeared for the first time, References changed, CPEs changed*

[CVE-2023-26276](#) - 7.5

IBM QRadar SIEM 7.5.0 uses weaker than expected cryptographic algorithms that could allow an attacker to decrypt highly sensitive information. IBM X-Force ID: 248147.

Changes : *References changed, CWEs changed, CVSS changed, Vendors/Products appeared for the first time, CPEs changed*

[CVE-2023-3317](#) - 7.1

Présentation d'OpenCVE v1



Installation On-premise

opencve / opencve

Code Issues 67 Pull requests 5 Discussions 0 Actions 0 Projects 0 Wiki 0 Security 7 Insights 0 Settings

opencve Public

master 7 branches 11 tags

Go to file Add file Code

About

CVE Alerting Platform

www.opencve.io

python security vulnerabilities cve

Readme View license Activity 1.4k stars 36 watching 172 forks Report repository

Releases 11

OpenCVE v1.4.1 (latest) on May 29

10 releases

Packages

No packages published

<https://github.com/opencve/opencve>



Instance SaaS

OpenCVE

Sign In Register Explore Documentation

Move Security Forward

OpenCVE is the easiest way to track CVE updates and be alerted about new vulnerabilities.

Sign Up For Free

CVE-2021-44228

10.0.0.0

CVSS: 9.8

Severity: Critical

References

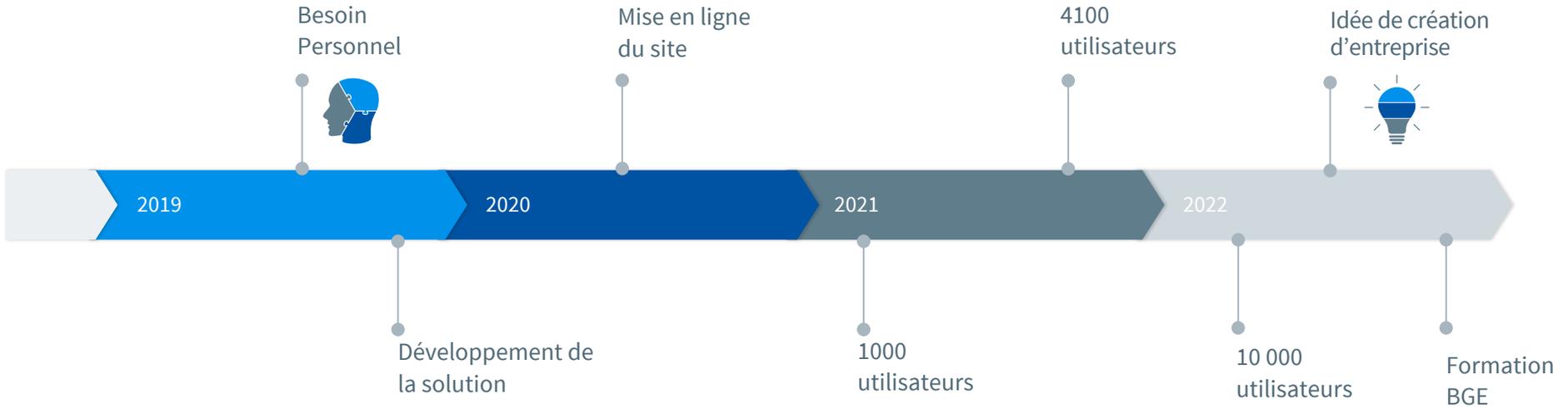
Explore the CVE database

OpenCVE lets you search inside the whole CVE list and filter the results according to your needs by Vendor, Product, CVSS or CWE. You can even create your own tags (unread, important, devteam...) and organize the CVE based on your own criteria.

>> Display the last critical CVE

<https://www.opencve.io/>

Chronologie



The background of the slide is a light blue-grey color with a complex network pattern. It consists of numerous small circles, some solid and some hollow, connected by thin lines, creating a dense web of connections.

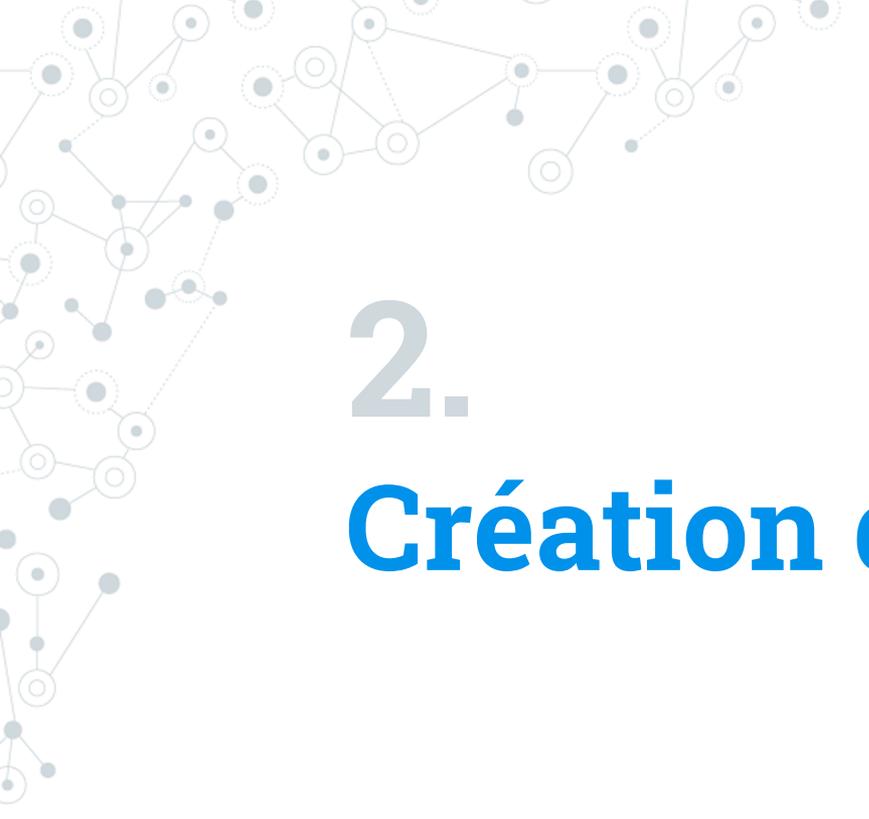
18 500

utilisateurs inscrits

A background pattern of a network graph with nodes and connecting lines in light gray.

3 800 000

rapports envoyés (+1M saucs)



2.

Création d'entreprise



Recherche



Accueil



Réseau



Offres d'emploi



Messagerie



Notifications



Vous



Produits

Essayez Premium
gratuitement



Nicolas Crocfer

IT Directeur chez OVHcloud

Voir le profil complet



Nicolas Crocfer · Vous

IT Directeur chez OVHcloud

1 mois ·

Si vous me suivez vous savez que j'ai développé un outil nommé OpenCVE: https://lnkd.in/d_TbDYH

Que vous soyez RSSI, Directeur de la Cyber, Sysadmin ou simplement passionné par la sécurité informatique il se peut que vous soyez intéressé: OpenCVE vous permet de vous abonner à des produits et d'être notifié dès lors qu'une CVE apparaît.

Je travaille maintenant à l'améliorer et j'ai besoin de vous:

- pour les utilisateurs actuels quelle est la fonctionnalité manquante selon vous?
- d'un point de vue plus global, et même sans utiliser OpenCVE, qu'attendez-vous d'un outil de Vulnerability Management?
- si vous en utilisez déjà un, [#cyber](#) lequel pourriez-vous me recommander?

Merci d'avance à ceux qui me répondront à l'une ou l'autre de ces questions (ici ou en MP), ça sera très utile pour la suite de l'aventure !

Et si vous n'utilisez pas ce genre de tool aucun soucis, c'est peut-être le cas de vos abonnés et dans ce cas n'hésitez pas à repartager cette publication 🙌

The screenshot shows a vulnerability report for CVE-2021-44228. The title is "CVE-2021-44228". The description states: "Apache Log4j 2.0-beta9 through 2.12.1 and 2.13.0 through 2.15.0 JNDI features used in configuration, log messages, and parameters do not protect against attacker controlled LDAP and other JNDI related endpoints. An attacker who can control log messages or log message parameters can execute arbitrary code loaded from LDAP servers when message lookup substitution is enabled. From log4j 2.15.0, this behavior has been disabled by default. From version 2.16.0, this functionality has been completely removed. Note that this vulnerability is specific to log4j-core and does not affect log4net, log4cx, or other Apache Logging Services projects." The report includes a "Tags" field with "CVSS v3.0" and "CVSS v2.0" tags. The "Information" section shows "Published: 2021-12-10 10:15" and "Updated: 2021-12-28 19:32".

54 683

impressions

76

commentaires

84

republications

Découverte ⓘ

54 683

Impressions

Interactions ⓘ

Réactions 435 →

Commentaires 76 →

Republications 84 →

Principales données démographiques des personnes atteintes ⓘ

Entreprises ▾

Capgemini · 312

OVHcloud · 286

Thales · 256

Orange Cyberdefense · 172

Etude de la clientèle



Carole

CEO

« Je souhaite une solution
peu onéreuse »

Franck

RSSI

« Je souhaite une solution
claire et concise »



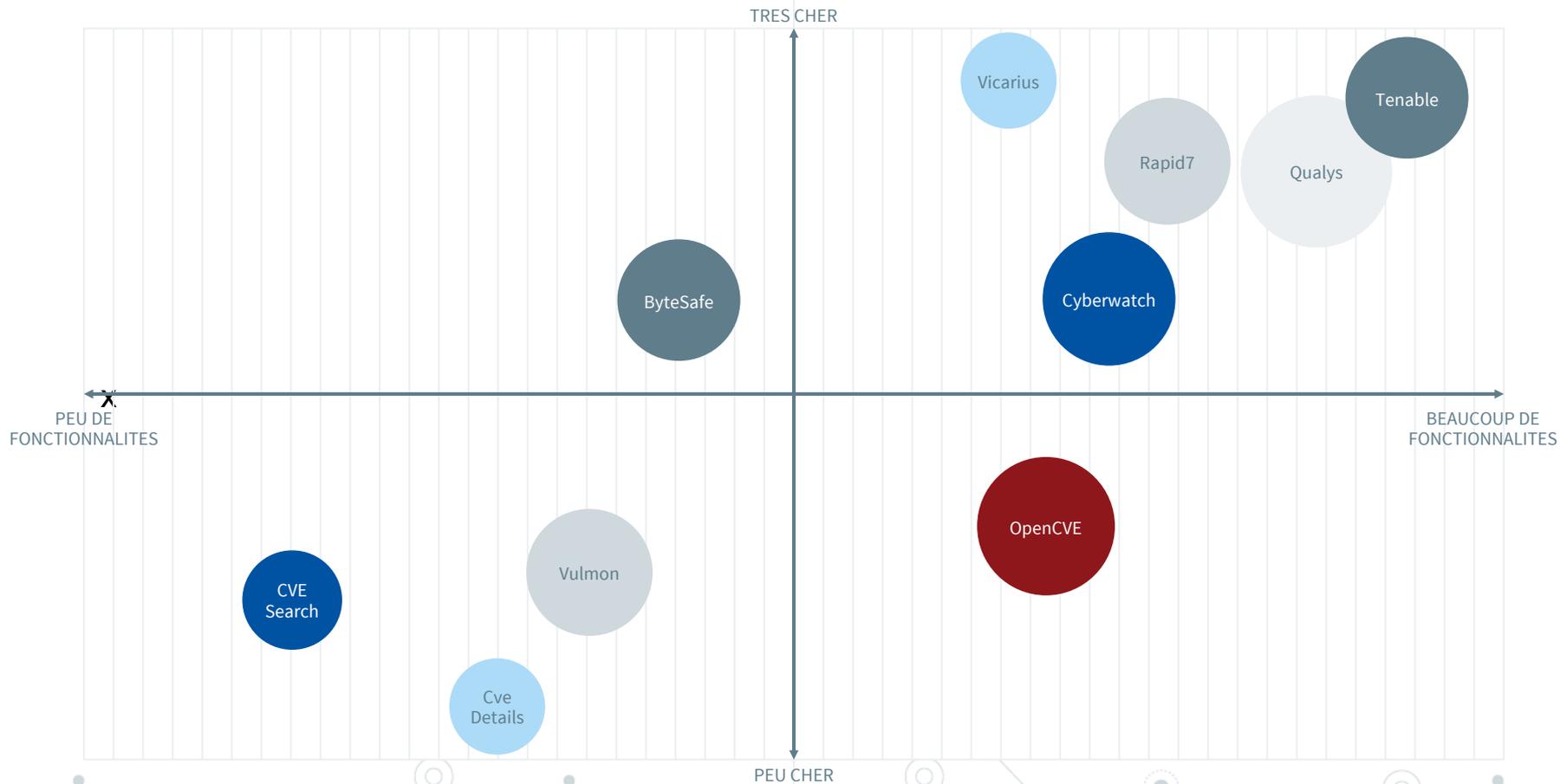
Anna

ANALYSTE CYBERSECURITE

« Je souhaite une solution
simple et utile »



Analyse de la concurrence

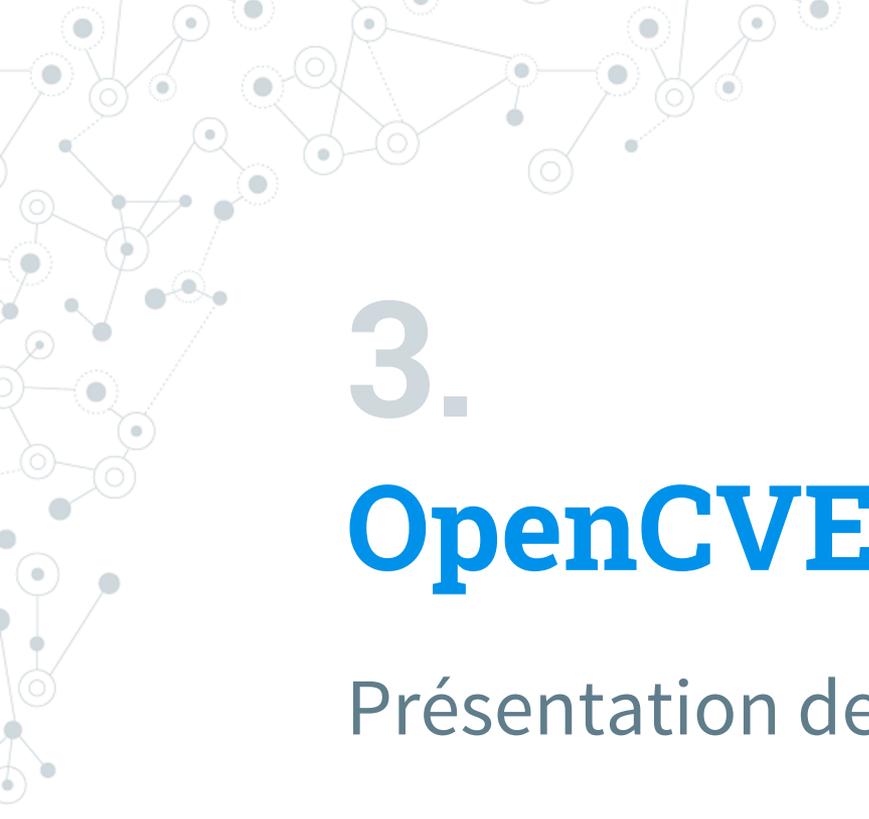


Création d'entreprise

- ⊙ Création avec **Laurent Durnez** d'une SAS autour d'OpenCVE
- ⊙ Intégration en Juin 2023 du **Campus Cyber HDF**, opéré par **Euratechnologies**

- ⊙ Les 4 missions du Campus Cyber:
 - ⊙ Opérer – Prévenir et réagir face aux attaques
 - ⊙ Former – Sensibiliser à la cybersécurité
 - ⊙ Mobiliser – Fédérer et animer l'écosystème
 - ⊙ Innover - Faire émerger les champions de demain



A decorative network diagram in the top-left corner, consisting of various sized circles (nodes) connected by thin lines (edges). Some nodes are solid grey, while others are hollow white with a grey border. The network is dense and irregular.

3.

OpenCVE “v2”

Présentation de la prochaine version

OpenCVE v2 – Nouvelles fonctionnalités

- ① Découpage des abonnements (vendors & products) en **Projets**
- ① **Notifications** (email, slack, jira, webhook...)
- ① Utilisation des bases du **NVD** et du **MITRE** (*cveproject/cvelistv5*)
- ① Ajout des **advisories** (Debian Security Advisories, Japan Vulnerability Notes, Ubuntu Security Notices, ExploitDB, Github Advisory Database...)
- ① La **knowledge-base** sur Github

OpenCVE v2 – Nouvelles fonctionnalités

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MAIN NAVIGATION

- Dashboard
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- Advisories
- Vendors & Products
- Categories

SETTINGS

- Projects
- Tags
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- Logout

Activity Feed

05 jul 2023



CVE-2023-32019 has changed </> 19:38

Windows Kernel Information Disclosure Vulnerability

CWE(s) changed 0 added, 0 removed

Reference(s) changed 0 changed, 1 added, 0 removed



CVE-2023-23468 has changed </> 19:38

IBM Robotic Process Automation for Cloud Pak 21.0.1 through 21.0.7.3 and 23.0.0 through 23.0.3 is vulnerable to insufficient security configuration which may allow creation of namespaces within a cluster. IBM X-Force ID: 244500.

Vendor(s)/Product(s) appeared for the first time 4 added

CWE(s) changed 1 added, 0 removed

Reference(s) changed 2 changed, 0 added, 0 removed



CVE-2023-22593 has changed </> 19:38

IBM Robotic Process Automation for Cloud Pak 21.0.1 through 21.0.7.3 and 23.0.0 through 23.0.3 is vulnerable to security misconfiguration of the Redis container which may provide elevated privileges. IBM X-Force ID: 244074.

Vendor(s)/Product(s) appeared for the first time 4 added

Subscriptions

Vendors (7)

- Microsoft
- Cisco
- Wordpress
- Python
- Sap
- Debian
- Ibm

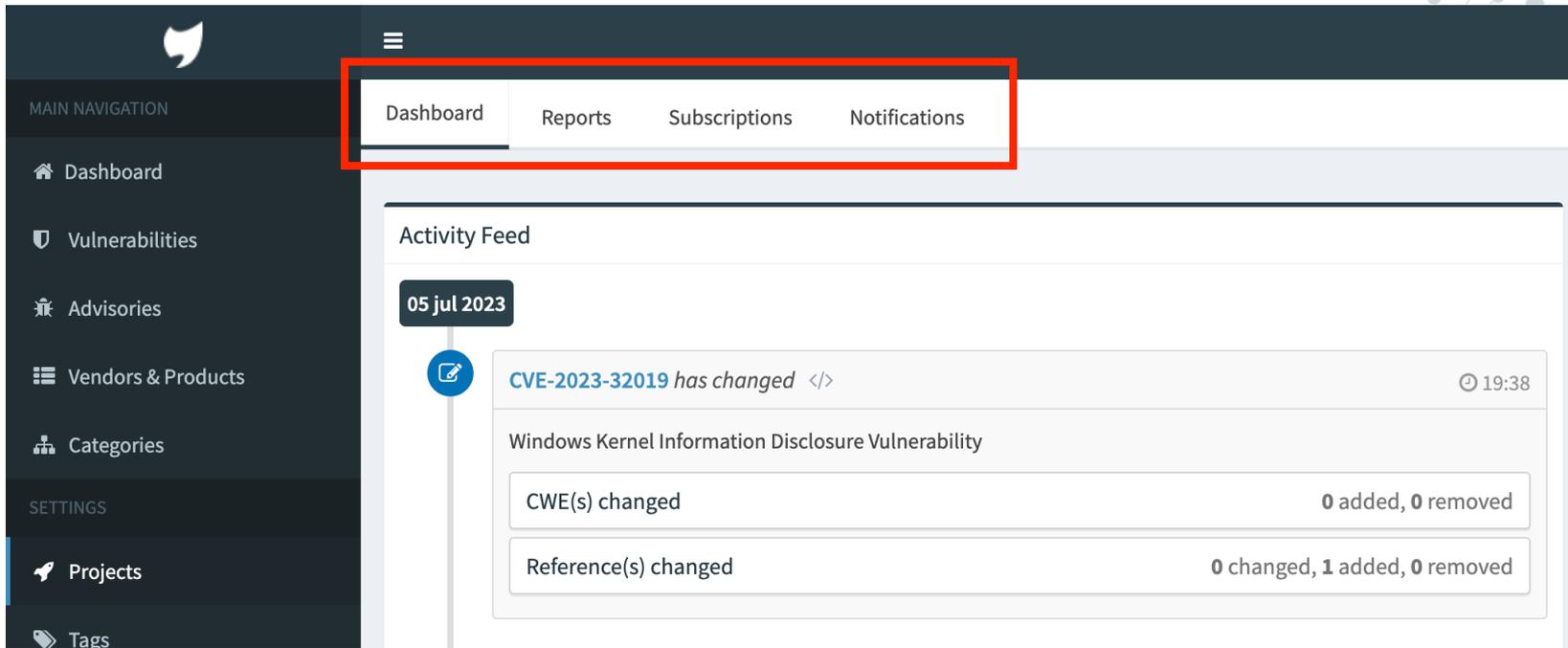
Products (3)

- Google android
- Followmedarling spotify-play-button-for-wordpress
- Sap sapsetup

DJDT

Last Reports

Date	Vendors & Products
17/04/2023	Google, Microsoft
16/04/2023	Linux, Debian, Fedora



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- Tags

Dashboard Reports Subscriptions Notifications

Activity Feed

05 jul 2023

 CVE-2023-32019 has changed </> 🕒 19:38

Windows Kernel Information Disclosure Vulnerability

CWE(s) changed	0 added, 0 removed
Reference(s) changed	0 changed, 1 added, 0 removed

OpenCVE v2 – Nouvelles fonctionnalités

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Project laurent

Dashboard Reports Subscriptions **Notifications**

Notifications list

	All updates (webhook) Last use 10 minutes ago	Enabled
	All updates with critical CVSS (slack) Last use 10 minutes ago	Enabled
	New critical CVE (email) Last use 10 minutes ago	Disabled

Info

The notifications are used to immediately send a message for each change on your subscriptions.

New Notification

- + Email
- + Webhook
- + Slack
- Documentation

DJDT

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Project All updates with critical CVSS

Dashboard Reports Subscriptions **Notifications**

General Settings Is enabled

Name*

Url*

Cancel Save

Alerts Settings ?

Receive a notification when:

- a new CVE is created
- one of your subscriptions appears for the first time in an existing CVE

When a CVE is updated, be alerted when :

- its CVSS score changes
- its CPE list changes
- its summary changes
- its CWE list changes
- its references list changes

Be alerted when the CVSSv3 score is greater than or equal to :*

Note that this setting does not affect CVE that do not have CVSS.

DJDT

OpenCVE v2 – Nouvelles fonctionnalités

- ⦿ Découpage des abonnements (vendors & products) en **Projets**
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- ⦿ La **knowledge-base** sur Github

🔗 main

🔗 1 branch

🏷 3,314 tags

Go to file

Add file

<> Code

cvelistV5 Github Action 2 changes (2 new | 0 updated): ... 17cd26e 3 minutes ago 🕒 7,549 commits

📁 .github/workflows	yml files, add delta-yesterday.yml, and update to cve_utils 1.0.1	3 weeks ago
📁 cves	2 changes (2 new 0 updated):	3 minutes ago
📄 .gitattributes	initial commit for "bulk download" task	5 months ago
📄 .gitignore	improved log; only update recent_activities when there are new or u...	4 months ago
📄 README.md	Update README.md	4 months ago

☰ README.md

🔗 CVE List V5

The [CVE List](#) is catalog of all [CVE Records](#) identified by, or reported to, the [CVE Program](#).

This repository hosts bulk download files of CVE Records in [CVE JSON 5.0 format](#) (view the [schema](#)). You may search, download, and use the content hosted in this repository, per the [CVE Program Terms of Use](#).

Legacy Format Downloads Available for Limited Time—[Legacy format CVE List downloads](#), which are derived from CVE JSON 4.0, remain available for download on the CVE.ORG website for a limited time. These legacy formats will be **deprecated on or before December 31, 2023**.

Releases

About

CVE cache of the official CVE List in CVE JSON 5.0 format

📖 Readme

📅 Activity

☆ 104 stars

👁 10 watching

🍴 39 forks

Report repository

Releases 3,205

🔗 **CVE 2023-07-11_0700Z** Latest
42 minutes ago

+ 3,204 releases

Packages

No packages published

Contributors 5



OpenCVE v2 – Nouvelles fonctionnalités

- ① Découpage des abonnements (vendors & products) en **Projets**
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Advisories

OpenCVE > Advisories

Select a source Search in advisories

TOTAL
211 advisories

Advisory	Related CVEs	Date
DSA-5447 <p><p>Multiple security issues were discovered in MediaWiki, a website engine for collaborative work, which could result in cross-site scripting, a bypass of vandalism protections or information disclosure.</p><p>For the oldestable distribution (bullseye), these problems have been fixed in version 1:1.35.11-1-deb11u1.</p> ...</p>	CVE-2022-1234, CVE-2022-4567	6 days, 9 hours ago
JVND-2023-000064 <p>Mailform Pro CGI provided by SYNCK GRAPHICA contains a Regular expression Denial-of-Service (ReDoS) vulnerability (CWE-1333). Tran Quang Vu of FPT Software reported this vulnerability to IPA. JPCERT/CC coordinated with the developer under Information Security Early Warning Partnership.</p>	CVE-2022-1234, CVE-2022-4567	2 weeks, 6 days ago
JVND-2023-000063 <p>Panasonic AiSEG2 contains multiple vulnerabilities listed below. * OS Command Injection (CWE-78) - CVE-2023-28726 * Improper Authentication (CWE-287) - CVE-2023-28727 Taku Toyama of NEC Corporation reported CVE-2023-28726 and CVE-2023-28727 vulnerabilities to Panasonic and coordinated. Panasonic and JPCERT/CC published respective advisories ...</p>	CVE-2022-1234, CVE-2022-4567	3 weeks, 3 days ago
JVND-2023-002111 <p>Printer Driver Packager NX provided by Ricoh Company, Ltd. is a tool to create driver installation packages. A driver installation package is used to install and configure printer drivers on the target PCs. The installation and configuration of printer drivers ...</p>	CVE-2022-1234, CVE-2022-4567	3 weeks, 4 days ago
JVND-2023-000059 <p>Wi-Fi AP UNIT provided by Inaba Denki Sangyo Co., Ltd. contains multiple vulnerabilities listed below. Missing authentication for critical function (CWE-306) - CVE-2023-31196 OS command injection (CWE-78) - CVE-2023-31198 OS command injection (CWE-78) - CVE-2023-28392 MASAHIRO IIDA of LAC ...</p>	CVE-2022-1234, CVE-2022-4567	3 weeks, 5 days ago
JVND-2023-002100 <p>Trend Micro Incorporated has released security updates for multiple Trend Micro products for enterprises. For more details, refer to the information provided by the developer. Trend Micro Incorporated reported these vulnerabilities to JPCERT/CC to notify users of the solutions through ...</p>	CVE-2022-1234, CVE-2022-4567	3 weeks, 5 days ago

DJDT

OpenCVE v2 – Nouvelles fonctionnalités

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- ① La **knowledge-base** sur Github

```
1  {
2    "created": "2023-07-09T00:00:00+00:00",
3    "description": "<p>Multiple security issues were discovered in Thunderbird, which could result in denial of service or the execution of arbitrary code.</p> <p>For the oldstable
4    "extras": {
5      "affected_packages": [
6        "thunderbird"
7      ],
8      "fixed_in": null,
9      "references": {
10     "Bug 1006432": "https://bugs.debian.org/cgi-bin/bugreport.cgi?bug=1006432",
11     "Bug 971790": "https://bugs.debian.org/cgi-bin/bugreport.cgi?bug=971790",
12     "CVE-2023-37201": "https://security-tracker.debian.org/tracker/CVE-2023-37201",
13     "CVE-2023-37202": "https://security-tracker.debian.org/tracker/CVE-2023-37202",
14     "CVE-2023-37207": "https://security-tracker.debian.org/tracker/CVE-2023-37207",
15     "CVE-2023-37208": "https://security-tracker.debian.org/tracker/CVE-2023-37208",
16     "CVE-2023-37211": "https://security-tracker.debian.org/tracker/CVE-2023-37211"
17   },
18     "vulnerable": "Yes"
19   },
20   "key": "DSA-5451",
21   "link": "https://www.debian.org/security/2023/dsa-5451",
22   "related_cves": [
23     "CVE-2023-37208",
24     "CVE-2023-37202",
25     "CVE-2023-37207",
26     "CVE-2023-37211",
27     "CVE-2023-37201"
28   ],
```

OpenCVE v2 – Les technologies

- ⦿ Réécriture complète de l'application web
(de Flask à **Django**)
- ⦿ Passage d'un micro-framework à un framework complet et maintenable
- ⦿ Avantages: sécurité, extensions, documentation, communauté, auto-admin, ORM...



django

OpenCVE v2 – Les technologies

- ◎ Utilisation d'**Apache Airflow** comme scheduler
- ◎ Chaque heure Airflow lance les *workflows*:
 1. analyse des changements
 2. corrélation avec les abonnements des utilisateurs
 3. envoi de notifications et de rapports



DAG: changes

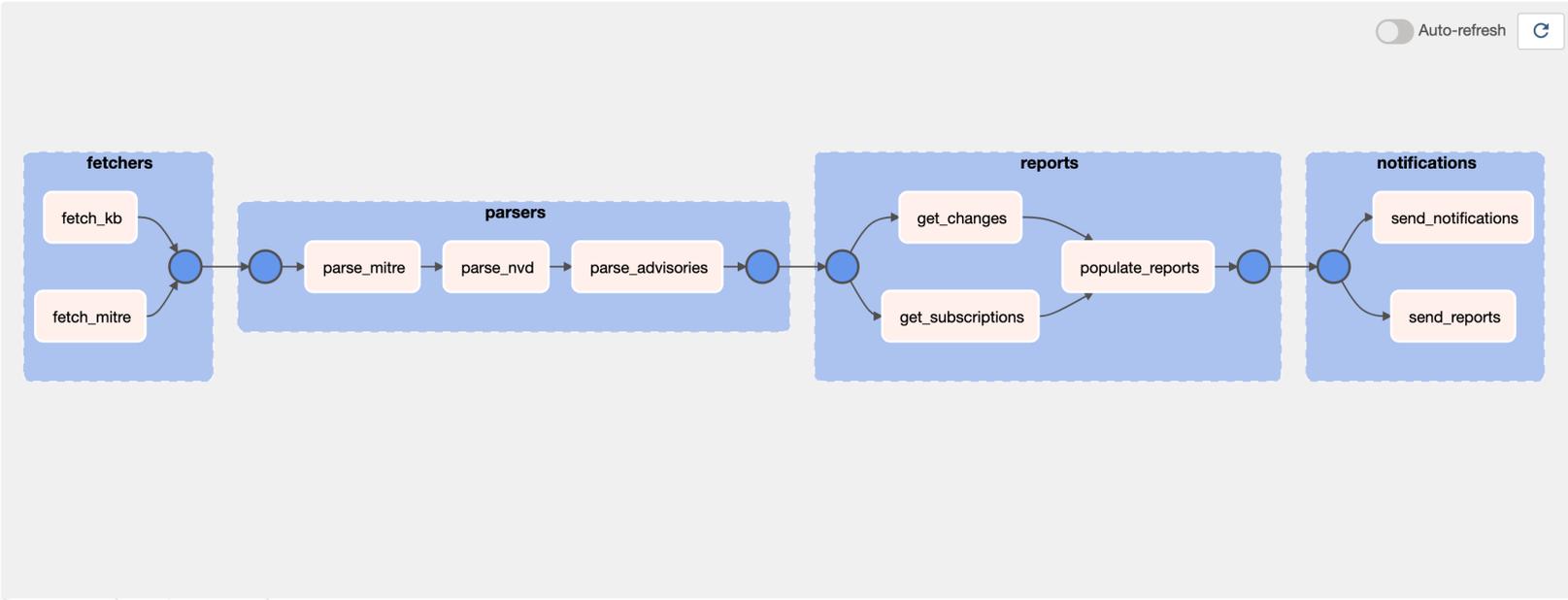
success Schedule: 0 * * * * Next Run: 2023-07-10, 16:00:00

- Grid
- Graph**
- Calendar
- Task Duration
- Task Tries
- Landing Times
- Gantt
- Details
- Code
- Audit Log

2023-07-10T09:45:05Z Runs 25 Run manual__2023-07-10T09:45:04.402474+00:00 Layout Left > Right Update Find Task...

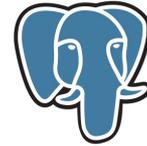
_PythonDecoratedOperator deferred failed queued removed restarting running scheduled shutdown skipped success up_for_reschedule up_for_retry upstream_failed no_status

Auto-refresh



OpenCVE v2 – Les technologies

- ⊙ Utilisation de **PostgreSQL** pour la base de données (procédures stockées)
- ⊙ Utilisation de **Git** pour stocker la KB
- ⊙ Utilisation de **Redis** dans le scheduler
- ⊙ Utilisation de **Docker** pour le déploiement



PostgreSQL



redis



docker

Les prochaines étapes



- Création de la SAS
- Recherche de sponsors
- Finaliser la v2 / Migrer v1
- Communication / Articles
- Recueil de Feedbacks
- Bugfix / Nouvelles features

Merci !



<https://www.opencv.io>



ncrofer@gmail.com



<https://www.linkedin.com/in/nicolascrofer/>



<https://twitter.com/ncrofer>