# CVE-2022-24816

MITRE | NVD | CVE.ORG | JSON API | Print: PDF

## Summary

| | |
|---|---|
| **CVE** | CVE-2022-24816 |
| **State** | PUBLIC |
| **Assigner** | security-advisories@github.com |
| **Source Priority** | CVE Program / NVD first with legacy fallback |
| **Published** | 2022-04-13 21:15:00 UTC |
| **Updated** | 2023-02-16 19:08:00 UTC |
| **Description** | JAI-EXT is an open-source project which aims to extend the Java Advanced Imaging (JAI) API. Programs allowing Jiffle scr |

## Risk And Classification

**EPSS:** 0.937140000 probability, percentile 0.998500000 (date 2026-04-22)

**CISA KEV:** Listed on 2024-06-26; due 2024-07-17; ransomware use Unknown

**Problem Types:** CWE-94

## CISA Known Exploited Vulnerability

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|---|---|
| **Vendor** | OSGeo |
| **Product** | JAI-EXT |
| **Name** | OSGeo GeoServer JAI-EXT Code Injection Vulnerability |
| **Required Action** | Apply mitigations per vendor instructions or discontinue use of the product if mitigations are unavailable. |
| **Notes** | This vulnerability affects a common open-source component, third-party library, or a protocol used by different products. The patched JAI-EXT is version 1.1.22: https://github.com/geosolutions-it/jai-ext/releases/tag/1.1.22, https://github.com/geosolutions-it/jai-ext/security/advisories/GHSA-v92f-jx6p-73rx; https://nvd.nist.gov/vuln/detail/CVE-2022-24816 |

## NVD Known Affected Configurations (CPE 2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|---|---|---|---|---|---|---|
| Application | Geosolutionsgroup | Jai-ext | All | All | All | All |
| Application | Geosolutionsgroup | Jal-ext | All | All | All | All |

## References

| Reference | Source | Link |
|---|---|---|
| Improper Control of Generation of Code ('Code Injection') in jai-ext · Advisory · geosolutions-it/jai-ext · GitHub | CONFIRM | github.com |

| | | |
|---|---|---|
| Validate Jiffle input variable names according to grammar, escape jav… · geosolutions-it/jai-ext@cb1d656 · GitHub | MISC | github.com |
| CVE Program record | CVE.ORG | www.cve.c |
| NVD vulnerability detail | NVD | nvd.nist.gc |
| CISA Known Exploited Vulnerabilities catalog | CISA | www.cisa.g |

No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

150667 GeoServer JAI-EXT Remote Code Execution (RCE) Vulnerability (CVE-2022-24816)

730744 jai-ext Remote Code Execution (RCE) Vulnerability (GHSA-v92f-jx6p-73rx)

995305 Java (Maven) Security Update for it.geosolutions.jaiext.jiffle:jt-jiffle (GHSA-v92f-jx6p-73rx)