

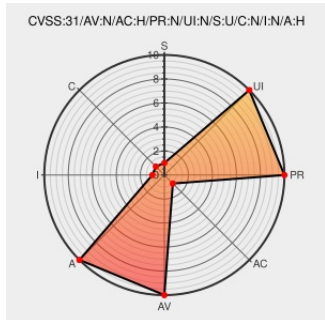


CVE-2022-42964

Published on: Not Yet Published

Last Modified on: 07/06/2023 01:52:00 PM UTC

CVE-2022-42964

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

Certain versions of [Pymatgen](#) from [Pymatgen](#) contain the following vulnerability:

An exponential ReDoS (Regular Expression Denial of Service) can be triggered in the pymatgen PyPI package, when an attacker is able to supply arbitrary input to the `GaussianInput.from_string` method

CVE-2022-42964 has been assigned by security@jfrog.com to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: **pymatgen** - **pymatgen** version > 0

CVSS3 Score: **7.5 - HIGH**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	NONE	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	NONE	NONE	HIGH

CVE References

Description	Tags	Link
pymatgen ReDoS XRAY-257184 - JFrog Security Research	research.jfrog.com text/html	MISC research.jfrog.com/vulnerabilities/pymatgen-redos-xray-257184/

By selecting these links, you may be leaving CVEreport webspace. We have provided these links to other websites because they may have information that would be of interest to you. No inferences should be drawn on account of other sites being referenced, or not, from this page. There may be other websites that are more appropriate for your purpose. CVEreport does not necessarily endorse the views expressed, or concur with the facts presented on these sites. Further, CVEreport does not endorse any commercial products that may be mentioned on these sites. Please address comments about any linked pages to comment@cve.report.

Related QID Numbers

[691130](#) Free Berkeley Software Distribution (FreeBSD) Security Update for py (951b513a-9f42-436d-888d-2162615d0fe4)

Known Affected Configurations (CPE V2.3)						
Type	Vendor	Product	Version	Update	Edition	Language
Application	Pymatgen	Pymatgen	-	All	All	All
cpe:2.3:a:pymatgen:pymatgen:-:*:*:*:*:*::						
No vendor comments have been submitted for this CVE						
Social Mentions						
Source	Title					Posted (UTC)
 @CVEreport	CVE-2022-42964 : An exponential ReDoS Regular Expression Denial of Service can be triggered in the pymatgen PyPL... twitter.com/i/web/status/1...					2022-11-09 19:59:39
 /r/netcve	CVE-2022-42964					2022-11-09 20:38:11
← Previous ID			Next ID →			