

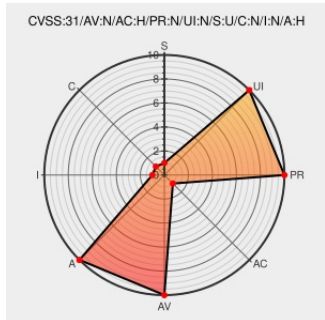


CVE-2021-43307

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CVE-2021-43307 - advisory for

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

Certain versions of [Semver-regex](#) from [Semver-regex Project](#) contain the following vulnerability:

An exponential ReDoS (Regular Expression Denial of Service) can be triggered in the semver-regex npm package, when an attacker is able to supply arbitrary input to the test() method

CVE-2021-43307 has been assigned by [security@jfrog.com](#) to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: [semver-regex](#) - [semver-regex](#) version < 3.1.4

Affected Vendor/Software: [semver-regex](#) - [semver-regex](#) version < 4.0.3

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

CVSS2 Score: **5 - MEDIUM**

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
NONE	NONE	PARTIAL

CVE References

Description	Tags	Link
CVE-2021-43307	CVE	CVE-2021-43307

semver-regex ReDoS | XRAY-211349 - JFrog Security Research

[research.jfrog.com](#)
text/html

 **MISC** [research.jfrog.com/vulnerabilities/semver-regex-redos-xray-211349/](#)

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Semver-regex Project	Semver-regex	All	All	All	All

cpe:2.3:a:semver-regex_project:semver-regex:*****:

Discovery Credit

Denys Vozniuk from JFrog Security Research

Social Mentions

Source	Title	Posted (UTC)
 @CVEreport	cve.report/CVE-2021-43307 An exponential ReDoS Regular Expression Denial of Service can be triggered in the semver... twitter.com/i/web/status/1...	2022-06-02 16:27:44

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