CVE-2023-34104

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CVE-2023-34104 - advisory for GHSA-6w63-h3fj-q4vw

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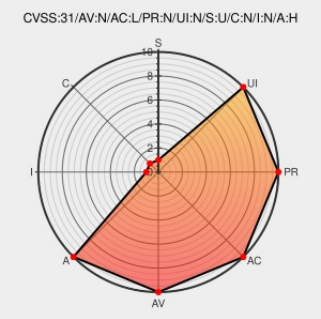

Certain versions of Fast-xml-parser from Fast-xml-parser Project contain the following vulnerability:

fast-xml-parser is an open source, pure javascript xml parser. fast-xml-parser allows special characters in entity names, which are not escaped or sanitized. Since the entity name is used for creating a regex for searching and replacing entities in the XML body, an attacker can abuse it for denial of service (DoS) attacks. By crafting an entity name that results in an intentionally bad performing regex and utilizing it in the entity replacement step of the parser, this can cause the parser to stall for an indefinite amount of time. This problem has been resolved in v4.2.4. Users are advised to upgrade. Users unable to upgrade should avoid using DOCTYPE parsing by setting the `processEntities: false` option.

CVE-2023-34104 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as HIGH severity.

Affected Vendor/Software: **NaturalIntelligence** - **fast-xml-parser** version **= < 4.2.4**

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
Regex Injection via Doctype Entities · Advisory · NaturalIntelligence/fast-xml-parser · GitHub	github.com text/html	MISC github.com/NaturalIntelligence/fast-xml-parser/security/advisories/GHSA-6w63-h3fj-q4vw
fix security bug · NaturalIntelligence/fast-xml-parser@39b0e05 · GitHub	github.com text/html	MISC github.com/NaturalIntelligence/fast-xml-parser/commit/39b0e050bb909e8499478657f84a3076e39ce76c

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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	Fast-xml-parser Project	Fast-xml-parser	All	All	All	All

cpe:2.3:a:fast-xml-parser_project:fast-xml-parser:*:*:*:*:*:node.js:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@_wassy555_	しかも今回のはfast-xml-parserが脆弱性報告（CVE-2023-34104）されていて、他のライブラリにも依存性があってめんどくさいパターンなのです。 放置したいのだけど、脆弱性放置するとリリース判定が通らないよ…	2023-06-27 01:41:33

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