



CVE-2023-39663

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

CVSS:31/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H



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

**** DISPUTED **** Mathjax up to v2.7.9 was discovered to contain two Regular expression Denial of Service (ReDoS) vulnerabilities in MathJax.js via the components pattern and markdownPattern. NOTE: the vendor disputes this because the regular expressions are not applied to user input; thus, there is no risk.

CVE-2023-39663 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **HIGH** severity.

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
Vulnerable regex in MathJax v2 could potentially lead to a ReDoS attack · Issue #3074 · mathjax/MathJax · GitHub	github.com text/html	MISC github.com/mathjax/MathJax/issues/3074

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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	Mathjax	Mathjax	All	All	All	All
cpe:2.3:a:mathjax:mathjax:*:*:*:*:*:						
No vendor comments have been submitted for this CVE						
← Previous ID				Next ID→		

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