

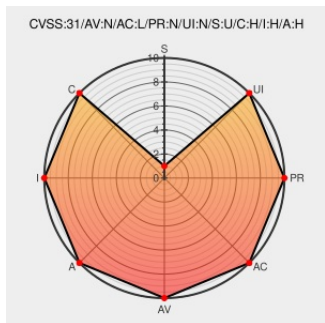


CVE-2020-6836

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CVE-2020-6836

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

Certain versions of [Hot-formula-parser](#) from [Hot-formula-parser Project](#) contain the following vulnerability:

grammar-parser.json in the hot-formula-parser package before 3.0.1 for Node.js is vulnerable to arbitrary code injection. The package fails to sanitize values passed to the parse function and concatenates them in an eval call. If a value of the formula is taken from user-controlled input, it may allow attackers to run arbitrary commands on the server.

CVE-2020-6836 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **CRITICAL** severity.

CVSS3 Score: **9.8 - CRITICAL**

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

CVSS2 Score: **7.5 - HIGH**

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

CVE References

Description	Tags	Link
Overview	Patch Third Party Advisory www.npmjs.com	MISC www.npmjs.com/advisories/1439

[text/html](#)

Reverse shell through a node.js math parser -
TRUESEC Blog

[blog.truesec.com](#)
[text/html](#)

 MISC blog.truesec.com/2020/01/17/reverse-shell-through-a-node-js-math-parser/

Remove usage of the 'eval' function (#58) ·
handsontable/formula-parser@396b089 · GitHub

[Patch](#)
[github.com](#)
[text/html](#)

 MISC github.com/handsontable/formula-parser/commit/396b089738d4bf30eb570a4fe6a188affa95cd5e

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Related QID Numbers

[981493](#) Nodejs (npm) Security Update for hot-formula-parser (GHSA-rc77-xxq6-4mff)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Hot-formula-parser Project	Hot-formula-parser	All	All	All	All
Application	Hot-formula-parser Project	Hot-formula-parser	All	All	All	All
cpe:2.3:a:hot-formula-parser_project:hot-formula-parser:*:*:*:*:*:node.js:*:*						
cpe:2.3:a:hot-formula-parser_project:hot-formula-parser:*:*:*:*:*:node.js:*:*						

No vendor comments have been submitted for this CVE

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