

Node.js disclosed on HackerOne: HashDoS in V8

Node.js disclosed on HackerOne: HashDoS in V8 - sharp_edged, HackerOne.

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Content

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[#3511792](#)

HashDoS in V8

Report

Summary by Node.js

 (<https://hackerone.com/nodejs>)

A flaw in V8's string hashing mechanism causes integer-like strings to be hashed to their numeric value, making hash collisions trivially predictable. By crafting a request that causes many such collisions in V8's internal string table, an attacker can significantly degrade performance of the Node.js process.

The most common trigger is any endpoint that calls `JSON.parse()` on attacker-controlled input, as JSON parsing automatically internalizes short strings into the affected hash table.

This vulnerability affects **20.x, 22.x, 24.x, and 25.x**.

Timeline

 (https://hackerone.com/sharp_edged)

[sharp_edged](#)

submitted a report to [Node.js](#).

January 15, 2026, 10pm UTC

[rafaelgss](#)

Node.js staff

changed the status to ****Triaged**.

January 26, 2026, 1:09pm UTC

[rafaelgss](#)

Node.js staff

updated the severity from

high (7.5)

to

medium (5.9)

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March 11, 2026, 9:12pm UTC

[sharp_edged](#)

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March 12, 2026, 12:21am UTC

[joyeecheung](#)

Node.js staff

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March 12, 2026, 9:29pm UTC

Bot: security-release-stewards

updated CVE reference to **CVE-2026-21717**.

March 17, 2026, 2:54pm UTC

[Node.js](#)

closed the report and changed the status to ****Resolved**.

March 24, 2026, 10:21pm UTC

Bot: security-release-stewards

requested to disclose this report.

March 24, 2026, 10:21pm UTC

[rafaelgss](#)

Node.js staff

disclosed this report.

March 30, 2026, 4:44pm UTC

Recovery notes

Source evidence recovered on 2026-09-14. The earlier source capture (SHA-256

b53712abd3667d06376a1f46f99823248eee4e8db36ffec57cab64afab57858c) is no longer available. This publication uses a separately preserved capture of the same document recorded on 2026-09-14

(SHA-256 `e80b5d596fe6b97dd51e88600a24a76fae60be203b40366ef75a0e5c2b61196d`). The retained public summary and timeline agree with this capture. The report and comment bodies are still unavailable in the public page; this remains a partial capture with a recorded recovery gap. The missing earlier capture remains documented in the archive history.

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