



# path-to-regexp vulnerable to Denial of Service via sequential optional groups

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

## Summary

|                        |   |
|------------------------|---|
| <b>CVE</b>             | CVE-2026-4926   |
| <b>State</b>           | PUBLISHED   |
| <b>Assigner</b>        | openjs  |
| <b>Source Priority</b> | CVE Program / NVD first with legacy fallback  |
| <b>Published</b>       | 2026-03-26 19:17:08 UTC   |
| <b>Updated</b>         | 2026-03-30 13:26:50 UTC   |
| <b>Description</b>     | Impact: A bad regular expression is generated any time you have multiple sequential optional groups (curly brace syntax), s |

## Risk And Classification

**Primary CVSS:** v3.1 7.5 HIGH from ce714d77-add3-4f53-aff5-83d477b104bb

**CVSS:** 3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H

**EPSS:** 0.000520000 probability, percentile 0.164690000 (date 2026-04-02)

**Problem Types:** CWE-400 | CWE-1333 | CWE-400 CWE-400: Uncontrolled Resource Consumption | CWE-1333 CWE-1333: Inefficient Regular Expression Complexity

| Version | Source                               | Type      | Score | Severity | Vector                                       |
|---------|--------------------------------------|-----------|-------|----------|--|
| 3.1     | ce714d77-add3-4f53-aff5-83d477b104bb | Secondary | 7.5   | HIGH     | CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H |
| 3.1     | CNA                                  | CVSS      | 7.5   | HIGH     | CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H |

## CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

None

Availability

High

CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:N/A:H

### Vendor Declared Affected Products

| Source | Vendor                         | Product                        | Version                     | Platforms     |
|--------|--------------------------------|--------------------------------|-----------------------------|---------------|
| CNA    | <a href="#">Path-to-regexp</a> | <a href="#">Path-to-regexp</a> | affected 8.0.0 8.4.0 semver | Not specified |
| CNA    | <a href="#">Path-to-regexp</a> | <a href="#">Path-to-regexp</a> | unaffected 8.4.0 semver     | Not specified |

### References

| Reference   | Source                               | Link  | Tags                |
|---|--------------------------------------|---|---------------------|
| <a href="https://cna.openjsf.org/security-advisories.html">cna.openjsf.org/security-advisories.html</a> | ce714d77-add3-4f53-aff5-83d477b104bb | <a href="https://cna.openjsf.org">cna.openjsf.org</a> |                     |
| CVE Program record  | CVE.ORG                              | <a href="https://www.cve.org">www.cve.org</a>         | canonical           |
| NVD vulnerability detail  | NVD                                  | <a href="https://nvd.nist.gov">nvd.nist.gov</a>       | canonical, analysis |

### Vendor Comments And Credit

Discovery Credit

**CNA:** [uug4na](#) (en)

**CNA:** [blakeembrey](#) (en)

**CNA:** [UlisesGascon](#) (en)

There are currently no legacy QID mappings associated with this CVE.

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