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fast-uri vulnerable to host confusion via percent-encoded authority delimiters

High mcollina published GHSA-v39h-62p7-jpjc 2 hours ago

Package

 **fast-uri** (npm)

Affected versions

<= 3.1.1

Patched versions

3.1.2

Description

Impact

`fast-uri` v3.1.1 and earlier decodes percent-encoded authority delimiters (`%40` as `@` , `%3A` as `:`) inside the host component and serializes them back as raw characters. This changes the URI structure, turning a hostname into userinfo plus a different host.

For example, `http://trusted.com%40evil.com/` normalizes to `http://trusted.com@evil.com/` , which reparses as host `evil.com` with userinfo `trusted.com` .

Applications that normalize untrusted URLs before host allowlist checks, redirect validation, or outbound request routing can be steered to a different authority than the original URL appeared to contain.

Patches

Upgrade to `fast-uri` `>= 3.1.2`.

Workarounds

None. Upgrade to the patched version.

Severity

High 7.5 / 10

CVSS v3 base metrics

Attack vector	Network
Attack complexity	Low
Privileges required	None
User interaction	None
Scope	Unchanged
Confidentiality	None
Integrity	High
Availability	None

[Learn more about base metrics](#)

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

CVE ID

CVE-2026-6322

Weaknesses

▶ CWE-436

Credits

 Jvr2022	Reporter
 mcollina	Remediation developer
 UlisesGascon	Remediation developer
 climba03003	Remediation reviewer