# CVE-2021-21321

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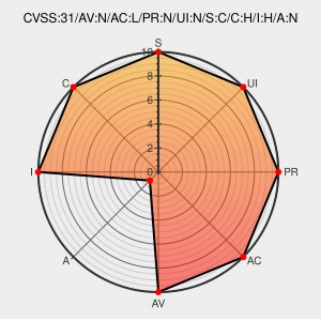
## CVE-2021-21321 - advisory for GHSA-qmw8-3v4g-gwj4

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF




Certain versions of Fastify-reply-from from Fastify-reply-from Project contain the following vulnerability:

fastify-reply-from is an npm package which is a fastify plugin to forward the current http request to another server. In fastify-reply-from before version 4.0.2, by crafting a specific URL, it is possible to escape the prefix of the proxied backend service. If the base url of the proxied server is "/pub/", a user expect that accessing "/priv" on the target service would not be possible. In affected versions, it is possible. This is fixed in version 4.0.2.

CVE-2021-21321 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as CRITICAL severity.

Affected Vendor/Software: **fastify** - **fastify-reply-from** version **< 4.0.2**

### CVSS3 Score: 10 - CRITICAL

| Attack Vector | Attack Complexity | Privileges Required | User Interaction |
|---|---|---|---|
| NETWORK | LOW | NONE | NONE |
| **Scope** | **Confidentiality Impact** | **Integrity Impact** | **Availability Impact** |
| CHANGED | 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 |
|---|---|---|

| Description | Tags | Link |
|---|---|---|
| fastify-reply-from - npm | Product<br>Third Party Advisory<br>www.npmjs.com<br>text/html | MISC www.npmjs.com/package/fastify-reply-from |
| Merge pull request from GHSA-qmw8-3v4g-gwj4 · fastify/fastify-reply-from@dea227d · GitHub | Patch<br>Third Party Advisory<br>github.com<br>text/html | MISC github.com/fastify/fastify-reply-from/commit/dea227dda606900cc01870d08541b4dcc69d3889 |
| Prefix escape · Advisory · fastify/fastify-reply-from · GitHub | Third Party Advisory<br>github.com<br>text/html | CONFIRM github.com/fastify/fastify-reply-from/security/advisories/GHSA-qmw8-3v4g-gwj4 |



## Related QID Numbers

982930 Nodejs (npm) Security Update for fastify-reply-from (GHSA-qmw8-3v4g-gwj4)

## Known Affected Configurations (CPE V2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|---|---|---|---|---|---|---|
| Application | Fastify-reply-from Project | Fastify-reply-from | All | All | All | All |
| Application | Fastify-reply-from Project | Fastify-reply-from | All | All | All | All |

cpe:2.3:a:fastify-reply-from_project:fastify-reply-from:*:*:*:*:*:node.js:*:*:

cpe:2.3:a:fastify-reply-from_project:fastify-reply-from:*:*:*:*:*:node.js:*:*:

No vendor comments have been submitted for this CVE

## Social Mentions

| Source | Title | Posted (UTC) |
|---|---|---|
| @M157q_News_RSS | Addressing Input Sanitization Bugs and CVE 2021-21321 hackernoon.com/addressing-inp… CVE 2021-21321 indicates a vulnerabil… twitter.com/i/web/status/1… | 2021-06-23 16:45:58 |
| @hackernoon | "Addressing Input Sanitization Bugs and CVE 2021-21321" hackernoon.com/addressing-inp… #cybersecurity #sanitizeuserinput | 2021-06-24 00:40:10 |
| @DanielTechIT | hackernoon: "Addressing Input Sanitization Bugs and CVE 2021-21321" hackernoon.com/addressing-inp… #cybersecurity #sanitizeuserinput | 2021-06-24 07:13:51 |
| @hackernoon | "Addressing Input Sanitization Bugs and CVE 2021-21321" hackernoon.com/addressing-inp… #cybersecurity #sanitizeuserinput | 2021-06-30 18:24:22 |
| @hackernoon | "Addressing Input Sanitization Bugs and CVE 2021-21321" hackernoon.com/addressing-inp… #cybersecurity #sanitizeuserinput | 2021-07-23 21:00:07 |
| @DanielTechIT | hackernoon: "Addressing Input Sanitization Bugs and CVE 2021-21321" hackernoon.com/addressing-inp… #cybersecurity #sanitizeuserinput | 2021-07-24 07:12:36 |

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