CVE-2023-23928

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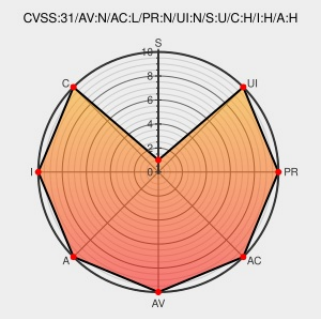
CVE-2023-23928 - advisory for GHSA-7jj9-6qwv-wpm7

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



Certain versions of Reason-jose from Reason-jose Project contain the following vulnerability:

reason-jose is a JOSE implementation in ReasonML and OCaml.`Jose.Jws.validate` does not check HS256 signatures. This allows tampering of JWS header and payload data if the service does not perform additional checks. Such tampering could expose applications using reason-jose to authorization bypass. Applications relying on JWS claims assertion to enforce security boundaries may be vulnerable to privilege escalation. This issue has been patched in version 0.8.2.

CVE-2023-23928 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as CRITICAL severity.

Affected Vendor/Software: **ulrikstrid** - **reason-jose** version **= < 0.8.2**

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

CVE References

Description	Tags	Link
Merge pull request from GHSA-7jj9-6qwv-wpm7 · ulrikstrid/reason-jose@36cd724 · GitHub	github.com text/html	MISC github.com/ulrikstrid/reason-jose/commit/36cd724db3cbec121757624da49072386bd869e5
Jws ignores signature checks · Advisory · ulrikstrid/reason-jose · GitHub	github.com text/html	MISC github.com/ulrikstrid/reason-jose/security/advisories/GHSA-7jj9-6qwv-wpm7
Release 0.8.2 · ulrikstrid/reason-jose · GitHub	github.com text/html	MISC github.com/ulrikstrid/reason-jose/releases/tag/v0.8.2

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Reason-jose Project	Reason-jose	All	All	All	All

cpe:2.3:a:reason-jose_project:reason-jose:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2023-23928 : reason-jose is a JOSE implementation in ReasonML and OCaml.`Jose.Jws.validate` does not check HS25… twitter.com/i/web/status/1…	2023-02-01 01:05:37
/r/netcve	CVE-2023-23928	2023-02-01 02:38:47

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CVE.report and Source URL Uptime Status status.cve.report