



LibJWT: Algorithm confusion allows JWT forgery with RSA JWK as empty-key HMAC

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

Summary

CVE	CVE-2026-44699
State	PUBLISHED
Assigner	GitHub_M
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-05-15 17:16:47 UTC
Updated	2026-05-15 19:17:00 UTC
Description	LibJWT is a C JSON Web Token Library. From 3.0.0 to 3.3.2, libjwt accepts an RSA JWK that does not contain an alg para

Risk And Classification

Primary CVSS: v4.0 9.1 CRITICAL from security-advisories@github.com

CVSS:4.0/AV:N/AC:L/AT:P/PR:N/UI:N/VC:H/VI:H/VA:N/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

Problem Types: CWE-327 | CWE-347 | CWE-327 CWE-327: Use of a Broken or Risky Cryptographic Algorithm | CWE-347 CWE-347: Improper Verification of Cryptographic Signature

Version	Source	Type	Score	Severity	Vector
4.0	security-advisories@github.com	Secondary	9.1	CRITICAL	CVSS:4.0/AV:N/AC:L/AT:P/PR:N/UI:N/VC:H/VI:H/VA:N/SC:N
4.0	CNA	DECLARED	9.1	CRITICAL	CVSS:4.0/AV:N/AC:L/AT:P/PR:N/UI:N/VC:H/VI:H/VA:N/SC:N

CVSS v4.0 Breakdown

Attack Vector

Network

Attack Complexity

Low

Attack Requirements

Present

Privileges Required

None

User Interaction

None

Confidentiality

High

Integrity

High

Availability

None

Sub Conf.

None

Sub Integrity

None

Sub Availability

None

CVSS:4.0/AV:N/AC:L/AT:P/PR:N/UI:N/VC:H/VI:H/VA:N/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Benmcollins	Libjwt	affected >= 3.0.0, < 3.3.3	Not specified

References

Reference	Source	Link	Tags
github.com/benmcollins/libjwt/security/advisories/GHSA-q843-6q5f-w55g	134c704f-9b21-4f2e-91b3-4a467353bcc0	github.com	
CVE Program record	CVE.ORG	www.cve.org	canoni
NVD vulnerability detail	NVD	nvd.nist.gov	canoni

No vendor comments have been submitted for this CVE.

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

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