



BACnet Stack: Undefined-behavior signed left shift in `decode_signed32()`

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

Summary

CVE	CVE-2026-40279
State	PUBLISHED
Assigner	GitHub_M
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-04-21 17:16:54 UTC
Updated	2026-04-22 21:24:26 UTC
Description	BACnet Stack is a BACnet open source protocol stack C library for embedded systems. Prior to 1.4.3, <code>decode_signed32()</code> i

Risk And Classification

Primary CVSS: v3.1 3.7 LOW from security-advisories@github.com

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

EPSS: 0.000330000 probability, percentile 0.097570000 (date 2026-04-22)

Problem Types: CWE-758 | CWE-758 CWE-758: Reliance on Undefined, Unspecified, or Implementation-Defined Behavior

Version	Source	Type	Score	Severity	Vector
3.1	security-advisories@github.com	Secondary	3.7	LOW	CVSS:3.1/AV:N/AC:H/PR:N/UI:N/S:U/C:N/I:N/A:L
3.1	CNA	DECLARED	3.7	LOW	CVSS:3.1/AV:N/AC:H/PR:N/UI:N/S:U/C:N/I:N/A:L

CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

High

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

None

Availability

Low

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

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Bacnet-stack	Bacnet-stack	affected < 1.4.3	Not specified

References

Reference	Source	Link	Tags
github.com/bacnet-stack/bacnet-stack/security/advisories/GHSA-326g-j95f-...	134c704f-9b21-4f2e-91b3-4a467353bcc0	github.com	
CVE Program record	CVE.ORG	www.cve.org	ca
NVD vulnerability detail	NVD	nvd.nist.gov	ca

No vendor comments have been submitted for this CVE.

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

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