



SWUpdate Integer Underflow in Multipart Upload Parser

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

Summary

CVE	CVE-2026-28525
State	PUBLISHED
Assigner	VulnCheck
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-04-23 21:16:05 UTC
Updated	2026-04-24 14:50:56 UTC
Description	SWUpdate contains an integer underflow vulnerability in the multipart upload parser in mongoose_multipart.c that allows ur

Risk And Classification

Primary CVSS: v4.0 8.2 HIGH from disclosure@vulncheck.com

CVSS:4.0/AV:N/AC:H/AT:N/PR:N/UI:N/VC:N/VI:N/VA:H/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

EPSS: 0.000350000 probability, percentile 0.103390000 (date 2026-04-26)

Problem Types: CWE-125 | CWE-191 | CWE-191 CWE-191 Integer Underflow (Wrap or Wraparound) | CWE-125 CWE-125 Out-of-bounds Read

Version	Source	Type	Score	Severity	Vector
4.0	disclosure@vulncheck.com	Secondary	8.2	HIGH	CVSS:4.0/AV:N/AC:H/AT:N/PR:N/UI:N/VC:N/VI:N/VA:H/SC:N/SI:N/S
4.0	CNA	CVSS	8.2	HIGH	CVSS:4.0/AV:N/AC:H/AT:N/PR:N/UI:N/VC:N/VI:N/VA:H/SC:N/SI:N/S
3.1	disclosure@vulncheck.com	Primary	6.8	MEDIUM	CVSS:3.1/AV:N/AC:H/PR:N/UI:N/S:C/C:N/I:N/A:H
3.1	CNA	CVSS	6.8	MEDIUM	CVSS:3.1/AV:N/AC:H/PR:N/UI:N/S:C/C:N/I:N/A:H

CVSS v4.0 Breakdown

Attack Vector

Network

Attack Complexity

High

Attack Requirements

None

Privileges Required

None

User Interaction

None

Confidentiality

None

Integrity

None

Availability

High

Sub Conf.

None

Sub Integrity

None

Sub Availability

None

CVSS:4.0/AV:N/AC:H/AT:N/PR:N/UI:N/VC:N/VI:N/VA:H/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

CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

High

Privileges Required

None

User Interaction

None

Scope

Changed

Confidentiality

None

Integrity

None

Availability

High

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

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Sbabic	Swupdate	affected 2025.12 semver	Not specified
CNA	Sbabic	Swupdate	unaffected beee2dc0feef1cfe84f1aa6fc980e104b2e47a74 git	Not specified

References

Reference	Source	Link
www.vulncheck.com/advisories/swupdate-integer-underflow-in-multipart-upload-parser	disclosure@vulncheck.com	www.vulncheck.com
github.com/sbabic/swupdate/commit/beee2dc0feef1cfe84f1aa6fc980e104b2e47a74	disclosure@vulncheck.com	github.com
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

Vendor Comments And Credit

Discovery Credit

CNA: Kazuma Matsumoto, a security researcher at GMO Cybersecurity by IERAE, Inc. (en)

CNA: VulnCheck (en)

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

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