



Clmg Library: Uncontrolled memory allocation via nb_colors field in __load_bmp

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

Summary

CVE	CVE-2026-42146
State	PUBLISHED
Assigner	GitHub_M
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-05-04 18:16:31 UTC
Updated	2026-05-07 15:50:00 UTC
Description	Clmg Library is a C++ library for image processing. Prior to commit c3aacf5, the nb_colors field read from the BMP file head

Risk And Classification

Primary CVSS: v3.1 5.5 MEDIUM from security-advisories@github.com

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

EPSS: 0.000130000 probability, percentile 0.019690000 (date 2026-05-12)

Problem Types: CWE-789 | CWE-789 CWE-789: Memory Allocation with Excessive Size Value

Version	Source	Type	Score	Severity	Vector
3.1	security-advisories@github.com	Secondary	5.5	MEDIUM	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:N/I:N/A:H
3.1	CNA	DECLARED	5.5	MEDIUM	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:N/I:N/A:H

CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

None

User Interaction

Required

Scope

Unchanged

Confidentiality

None

Integrity

None

Availability

High

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

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	GreycLab	CImg	affected < c3aacf5b96ac1e54b7af1957c6737dbf3949f6d3	Not specified

References

Reference	Source	Link
github.com/GreycLab/CImg/releases/tag/v.3.7.5	security-advisories@github.com	github.com
github.com/GreycLab/CImg/security/advisories/GHSA-g54r-qmgx-c6fv	security-advisories@github.com	github.com
github.com/GreycLab/CImg/issues/477	134c704f-9b21-4f2e-91b3-4a467353bcc0	github.com
github.com/GreycLab/CImg/commit/c3aacf5b96ac1e54b7af1957c6737dbf3949f6d3	security-advisories@github.com	github.com
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

No vendor comments have been submitted for this CVE.

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

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