



# SAIL has heap buffer overflow in PSD decoder — bpp mismatch in LAB 16-bit mode

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

## Summary

<b>CVE</b>	CVE-2026-40493
<b>State</b>	PUBLISHED
<b>Assigner</b>	GitHub_M
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2026-04-18 03:16:13 UTC
<b>Updated</b>	2026-04-18 03:16:13 UTC

**Description** SAIL is a cross-platform library for loading and saving images with support for animation, metadata, and ICC profiles. Prior

## Risk And Classification

**Primary CVSS:** v3.1 9.8 CRITICAL from security-advisories@github.com

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

**Problem Types:** CWE-787 | CWE-787 CWE-787: Out-of-bounds Write

Version	Source	Type	Score	Severity	Vector
3.1	security-advisories@github.com	Secondary	9.8	CRITICAL	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H
3.1	CNA	DECLARED	9.8	CRITICAL	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

## CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

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

### Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	HappySeaFox	Sail	affected < c930284445ea3ff94451ccd7a57c999eca3bc979	Not specified

### References

Reference	Source	Link	Ta
github.com/HappySeaFox/sail/security/advisories/GHSA-rcqx-gc76-r9mv	security-advisories@github.com	github.com	
github.com/HappySeaFox/sail/commit/c930284445ea3ff94451ccd7a57c999eca3bc979	security-advisories@github.com	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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