



# SAIL has heap buffer overflow in TGA RLE decoder — raw packet path missing bounds check

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

## Summary

<b>CVE</b>	CVE-2026-40494
<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	<a href="#">HappySeaFox</a>	Sail	affected < 45d48d1f2e8e0d73e80bc1fd5310cb57f4547302	Not specified

### References

Reference	Source	Link	Ta
<a href="https://github.com/HappySeaFox/sail/security/advisories/GHSA-cp2j-rwh4-r46f">github.com/HappySeaFox/sail/security/advisories/GHSA-cp2j-rwh4-r46f</a>	security-advisories@github.com	<a href="#">github.com</a>	
<a href="https://github.com/HappySeaFox/sail/commit/45d48d1f2e8e0d73e80bc1fd5310cb57f4547302">github.com/HappySeaFox/sail/commit/45d48d1f2e8e0d73e80bc1fd5310cb57f4547302</a>	security-advisories@github.com	<a href="#">github.com</a>	
CVE Program record	CVE.ORG	<a href="http://www.cve.org">www.cve.org</a>	ca
NVD vulnerability detail	NVD	<a href="http://nvd.nist.gov">nvd.nist.gov</a>	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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