



# KissFFT Integer Overflow Heap Buffer Overflow via kiss\_fftnr\_alloc()

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

## Summary

<b>CVE</b>	CVE-2026-41445
<b>State</b>	PUBLISHED
<b>Assigner</b>	VulnCheck
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2026-04-20 17:16:37 UTC
<b>Updated</b>	2026-04-20 19:05:30 UTC
<b>Description</b>	KissFFT before commit 8a8e66e contains an integer overflow vulnerability in the kiss_fftnr_alloc() function in kiss_fftnr.c

## Risk And Classification

**Primary CVSS:** v4.0 8.7 HIGH from disclosure@vulncheck.com

CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:P/VC:H/VI:H/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:** 0.000390000 probability, percentile 0.118300000 (date 2026-04-22)

**Problem Types:** CWE-122 | CWE-190 | CWE-190 CWE-190 Integer Overflow or Wraparound | CWE-122 CWE-122 Heap-based Buffer Overflow

Version	Source	Type	Score	Severity	Vector
4.0	disclosure@vulncheck.com	Secondary	8.7	HIGH	CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:P/VC:H/VI:H/VA:H/SC:N/SI:N/SA
4.0	CNA	CVSS	8.7	HIGH	CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:P/VC:H/VI:H/VA:H/SC:N/SI:N/SA
3.1	disclosure@vulncheck.com	Primary	8.8	HIGH	CVSS:3.1/AV:N/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H
3.1	CNA	CVSS	8.8	HIGH	CVSS:3.1/AV:N/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H

## CVSS v4.0 Breakdown

Attack Vector

Network

Attack Complexity

Low

Attack Requirements

None

Privileges Required

None

User Interaction

Passive

Confidentiality

High

Integrity

High

Availability

High

Sub Conf.

None

Sub Integrity

None

Sub Availability

None

CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:P/VC:H/VI:H/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/MSG:X/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

Low

Privileges Required

None

User Interaction

Required

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

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

### Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Mborgerding	Kissfft	affected 8a8e66e33d692bad1376fe7904d87d767730537f git	32 bit, 64 bit

### References

Reference	Source	Link	Ta
<a href="http://www.vulncheck.com/advisories/kissfft-integer-overflow-heap-buffer-overflow-via-...">www.vulncheck.com/advisories/kissfft-integer-overflow-heap-buffer-overflow-via-...</a>	disclosure@vulncheck.com	<a href="http://www.vulncheck.com">www.vulncheck.com</a>	
<a href="https://github.com/mborgerding/kissfft/commit/8a8e66e33d692bad1376fe7904d87d7677...">github.com/mborgerding/kissfft/commit/8a8e66e33d692bad1376fe7904d87d7677...</a>	disclosure@vulncheck.com	<a href="https://github.com">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

#### Vendor Comments And Credit

Discovery Credit

**CNA:** Sajeeb Lohani (en)

**CNA:** VulnCheck (en)

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

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