



# GPAC MP4Box Heap Buffer Overflow Write in gf\_xml\_parse\_bit\_sequence\_bs (NHML BS Parsing)

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

## Summary

<b>CVE</b>	CVE-2026-33144
<b>State</b>	PUBLISHED
<b>Assigner</b>	GitHub_M
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2026-03-20 21:17:15 UTC
<b>Updated</b>	2026-04-14 18:21:42 UTC
<b>Description</b>	GPAC is an open-source multimedia framework. Prior to commit 86b0e36, a heap-based buffer overflow (write) vulnerability

## Risk And Classification

**Primary CVSS:** v3.1 7.8 HIGH from nvd@nist.gov

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

**EPSS:** 0.000160000 probability, percentile 0.034940000 (date 2026-04-15)

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

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	7.8	HIGH	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H
3.1	security-advisories@github.com	Secondary	5.8	MEDIUM	CVSS:3.1/AV:L/AC:H/PR:N/UI:R/S:U/C:L/I:L/A:H
3.1	CNA	DECLARED	5.8	MEDIUM	CVSS:3.1/AV:L/AC:H/PR:N/UI:R/S:U/C:L/I:L/A:H

## CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

None

User Interaction

Required

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

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

### NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Gpac	Gpac	All	All	All	All

### Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Gpac	Gpac	affected < 86b0e36ea4c71402fbdaf7e13d73ba8841003e72	Not specified

### References

Reference	Source	Link
github.com/gpac/gpac/security/advisories/GHSA-3jw5-9pmw-vmfg	134c704f-9b21-4f2e-91b3-4a467353bcc0	github.com
github.com/gpac/gpac/commit/86b0e36ea4c71402fbdaf7e13d73ba8841003e72	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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