



# CVE-2024-21836

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

## Summary

<b>CVE</b>	CVE-2024-21836
<b>State</b>	PUBLISHED
<b>Assigner</b>	talos
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2024-02-26 16:27:55 UTC
<b>Updated</b>	2026-04-27 17:42:49 UTC
<b>Description</b>	A heap-based buffer overflow vulnerability exists in the GGUF library header.n_tensors functionality of llama.cpp Commit 14

## Risk And Classification

**Primary CVSS:** v3.1 9.8 CRITICAL from nvd@nist.gov

[CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H](#)

**EPSS:** 0.001510000 probability, percentile 0.353900000 (date 2026-04-27)

**Problem Types:** CWE-190 | CWE-787 | CWE-190 CWE-190: Integer Overflow or Wraparound

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	9.8	CRITICAL	<a href="#">CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H</a>
3.1	talos-cna@cisco.com	Secondary	8.8	HIGH	<a href="#">CVSS:3.1/AV:N/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H</a>
3.1	CNA	DECLARED	8.8	HIGH	<a href="#">CVSS:3.1/AV:N/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H</a>

## 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

### NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Ggml	Llama.cpp	All	All	All	All

### Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Llama.cpp	Llama.cpp	affected Commit 18c2e17	Not specified
ADP	Ggerganov	Llama.cpp	affected 18c2e17	Not specified

### References

Reference	Source	Link
www.talosintelligence.com/vulnerability_reports/TALOS-2024-1915	af854a3a-2127-422b-91ae-364da2661108	<a href="http://www.talosintelligence.com">www.talosintelligence.com</a>
talosintelligence.com/vulnerability_reports/TALOS-2024-1915	af854a3a-2127-422b-91ae-364da2661108	<a href="http://talosintelligence.com">talosintelligence.com</a>
CVE Program record	CVE.ORG	<a href="http://www.cve.org">www.cve.org</a>
NVD vulnerability detail	NVD	<a href="http://nvd.nist.gov">nvd.nist.gov</a>

### Vendor Comments And Credit

#### Discovery Credit

**CNA:** Discovered by Francesco Benvenuto of Cisco Talos. (en)

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

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