



JIT corruption of WASM i32 return values on 64-bit CPUs

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

Summary

CVE	CVE-2025-1933
State	PUBLISHED
Assigner	mozilla
Source Priority	CVE Program / NVD first with legacy fallback
Published	2025-03-04 14:15:38 UTC
Updated	2026-04-13 15:16:52 UTC
Description	On 64-bit CPUs, when the JIT compiles WASM i32 return values they can pick up bits from left over memory. This can pote

Risk And Classification

Primary CVSS: v3.1 7.6 HIGH from ADP

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

Problem Types: NVD-CWE-noinfo | CWE-noinfo Not enough information

Version	Source	Type	Score	Severity	Vector
3.1	ADP	DECLARED	7.6	HIGH	CVSS:3.1/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:H
3.1	134c704f-9b21-4f2e-91b3-4a467353bcc0	Secondary	7.6	HIGH	CVSS:3.1/AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:H

CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

Required

Scope

Unchanged

Confidentiality

Low

Integrity

Low

Availability

High

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

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Mozilla	Firefox	All	All	All	All
Application	Mozilla	Firefox	All	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Mozilla	Firefox	unaffected 115.21 115.* rpm	Not specified
CNA	Mozilla	Firefox	unaffected 128.8 128.* rpm	Not specified
CNA	Mozilla	Firefox	unaffected 136 * rpm	Not specified
CNA	Mozilla	Thunderbird	unaffected 128.8 128.* rpm	Not specified
CNA	Mozilla	Thunderbird	unaffected 136 * rpm	Not specified

References

Reference	Source	Link	Tags
lists.debian.org/debian-lts-announce/2025/03/msg00006.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org	
bugzilla.mozilla.org/show_bug.cgi	security@mozilla.org	bugzilla.mozilla.org	Issue Trac
www.mozilla.org/security/advisories/mfsa2025-14	security@mozilla.org	www.mozilla.org	Vendor Ad
www.mozilla.org/security/advisories/mfsa2025-15	security@mozilla.org	www.mozilla.org	Vendor Ad
www.mozilla.org/security/advisories/mfsa2025-16	security@mozilla.org	www.mozilla.org	Vendor Ad
www.mozilla.org/security/advisories/mfsa2025-17	security@mozilla.org	www.mozilla.org	Vendor Ad
www.mozilla.org/security/advisories/mfsa2025-18	security@mozilla.org	www.mozilla.org	Vendor Ad
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical,

Vendor Comments And Credit

Discovery Credit

CNA: Xiangwei Zhang and kkdong of Tencent Security YUNDING LAB (en)

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

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