



Unsafe attribute access during XPath parsing

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF !\[\]\(003082e50e3009141f59bd5df831749f_img.jpg\)](#)

Summary

CVE	CVE-2025-4087
State	PUBLISHED
Assigner	mozilla
Source Priority	CVE Program / NVD first with legacy fallback
Published	2025-04-29 14:15:35 UTC
Updated	2026-04-13 15:17:00 UTC
Description	A vulnerability was identified in Thunderbird where XPath parsing could trigger undefined behavior due to missing null check

Risk And Classification

Primary CVSS: v3.1 4.8 MEDIUM from ADP

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

EPSS: 0.004360000 probability, percentile 0.630560000 (date 2026-04-15)

Problem Types: CWE-125 | CWE-125 CWE-125 Out-of-bounds Read

Version	Source	Type	Score	Severity	Vector
3.1	ADP	DECLARED	4.8	MEDIUM	CVSS:3.1/AV:N/AC:H/PR:N/UI:N/S:U/C:L/I:L/A:N
3.1	134c704f-9b21-4f2e-91b3-4a467353bcc0	Secondary	4.8	MEDIUM	CVSS:3.1/AV:N/AC:H/PR:N/UI:N/S:U/C:L/I:L/A:N

CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

High

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

Low

Integrity

Low

CVSS

Availability

None

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

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
Application	Mozilla	Thunderbird	All	All	All	All
Application	Mozilla	Thunderbird	All	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Mozilla	Firefox	unaffected 128.10 128.* rpm	Not specified
CNA	Mozilla	Firefox	unaffected 138 * rpm	Not specified
CNA	Mozilla	Thunderbird	unaffected 128.10 128.* rpm	Not specified
CNA	Mozilla	Thunderbird	unaffected 138 * rpm	Not specified

References

Reference	Source	Link	Tags
lists.debian.org/debian-lts-announce/2025/05/msg00024.html	af854a3a-2127-422b-91ae-364da2661108	lists.debian.org	
bugzilla.mozilla.org/show_bug.cgi	security@mozilla.org	bugzilla.mozilla.org	Permission
www.mozilla.org/security/advisories/mfsa2025-32	security@mozilla.org	www.mozilla.org	Vendor Ad
www.mozilla.org/security/advisories/mfsa2025-31	security@mozilla.org	www.mozilla.org	Vendor Ad
www.mozilla.org/security/advisories/mfsa2025-28	security@mozilla.org	www.mozilla.org	Vendor Ad
www.mozilla.org/security/advisories/mfsa2025-29	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: Ivan Fratric (en)

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

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