



CVE-2023-5171

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

Summary

CVE	CVE-2023-5171
State	PUBLIC
Assigner	security@mozilla.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-09-27 15:19:00 UTC
Updated	2023-10-12 02:52:00 UTC
Description	During Ion compilation, a Garbage Collection could have resulted in a use-after-free condition, allowing an attacker to write

Risk And Classification

Problem Types: CWE-416

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Debian	Debian Linux	10.0	All	All	All
Operating System	Debian	Debian Linux	11.0	All	All	All
Operating System	Debian	Debian Linux	12.0	All	All	All
Operating System	Fedoraproject	Fedora	39	All	All	All
Application	Mozilla	Firefox	All	All	All	All
Application	Mozilla	Firefox Esr	All	All	All	All
Application	Mozilla	Thunderbird	All	All	All	All

References

Reference	Source	Link	Tag
[SECURITY] Fedora 39 Update: firefox-118.0.1-4.fc39 - package-announce - Fedora Mailing-Lists	MISC	lists.fedoraproject.org	
[SECURITY] [DLA 3601-1] thunderbird security update	MISC	lists.debian.org	
Debian -- Security Information -- DSA-5513-1 thunderbird	MISC	www.debian.org	
[SECURITY] [DLA 3587-1] firefox-esr security update	MISC	lists.debian.org	
Security Vulnerabilities fixed in Firefox 118 — Mozilla	MISC	www.mozilla.org	
Access Denied	MISC	bugzilla.mozilla.org	
Debian -- Security Information -- DSA-5506-1 firefox-esr	MISC	www.debian.org	

Security Vulnerabilities fixed in Firefox ESR 115.3 — Mozilla	MISC	www.mozilla.org	
Security Vulnerabilities fixed in Thunderbird 115.3 — Mozilla	MISC	www.mozilla.org	
CVE Program record	CVE.ORG	www.cve.org	can
NVD vulnerability detail	NVD	nvd.nist.gov	can

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[160952](#) Oracle Enterprise Linux Security Update for thunderbird (ELSA-2023-5435)

[160954](#) Oracle Enterprise Linux Security Update for firefox (ELSA-2023-5434)

[160959](#) Oracle Enterprise Linux Security Update for firefox (ELSA-2023-5433)

[160961](#) Oracle Enterprise Linux Security Update for thunderbird (ELSA-2023-5428)

[160972](#) Oracle Enterprise Linux Security Update for thunderbird (ELSA-2023-5475)

[160976](#) Oracle Enterprise Linux Security Update for firefox (ELSA-2023-5477)

[199794](#) Ubuntu Security Notification for Thunderbird Vulnerabilities (USN-6405-1)

[199795](#) Ubuntu Security Notification for Firefox Vulnerabilities (USN-6404-1)

[242088](#) Red Hat Update for thunderbird (RHSA-2023:5429)

[242089](#) Red Hat Update for thunderbird (RHSA-2023:5438)

[242090](#) Red Hat Update for firefox (RHSA-2023:5433)

[242091](#) Red Hat Update for thunderbird (RHSA-2023:5435)

[242092](#) Red Hat Update for firefox (RHSA-2023:5427)

[242093](#) Red Hat Update for firefox (RHSA-2023:5437)

[242094](#) Red Hat Update for thunderbird (RHSA-2023:5439)

[242095](#) Red Hat Update for thunderbird (RHSA-2023:5430)

[242096](#) Red Hat Update for firefox (RHSA-2023:5436)

[242097](#) Red Hat Update for firefox (RHSA-2023:5434)

[242098](#) Red Hat Update for firefox (RHSA-2023:5426)

[242099](#) Red Hat Update for thunderbird (RHSA-2023:5432)

[242100](#) Red Hat Update for firefox (RHSA-2023:5440)

[242101](#) Red Hat Update for thunderbird (RHSA-2023:5428)

242108 Red Hat Update for thunderbird (RHSA-2023:5475)
242115 Red Hat Update for firefox (RHSA-2023:5477)
285220 Fedora Security Update for firefox (FEDORA-2023-bbb8d72c6f)
296106 Oracle Solaris 11.4 Support Repository Update (SRU) 64.157.2 Missing (CPUOCT2023)
356892 Amazon Linux Security Advisory for firefox : ALAS2FIREFOX-2023-017
378899 Mozilla Firefox ESR Multiple Vulnerabilities (MFSA2023-42)
378900 Mozilla Firefox Multiple Vulnerabilities (MFSA2023-41)
378901 Mozilla Thunderbird Multiple Vulnerabilities (MFSA2023-43)
503462 Alpine Linux Security Update for firefox-esr
506070 Alpine Linux Security Update for firefox-esr
6000145 Debian Security Update for thunderbird (DLA 3601-1)
6000154 Debian Security Update for firefox-esr (DLA 3587-1)
6000206 Debian Security Update for thunderbird (DSA 5513-1)
6000217 Debian Security Update for firefox-esr (DSA 5506-1)
710875 Gentoo Linux Mozilla Thunderbird Multiple Vulnerabilities (GLSA 202402-25)
754953 SUSE Enterprise Linux Security Update for MozillaFirefox (SUSE-SU-2023:3837-1)
754994 SUSE Enterprise Linux Security Update for MozillaFirefox (SUSE-SU-2023:3899-1)
754995 SUSE Enterprise Linux Security Update for MozillaFirefox (SUSE-SU-2023:3898-1)
755053 SUSE Enterprise Linux Security Update for MozillaThunderbird (SUSE-SU-2023:4016-1)
941287 AlmaLinux Security Update for thunderbird (ALSA-2023:5435)
941288 AlmaLinux Security Update for firefox (ALSA-2023:5434)
961025 Rocky Linux Security Update for thunderbird (RLSA-2023:5428)
961027 Rocky Linux Security Update for thunderbird (RLSA-2023:5435)

© [CVE.report](#) 2026 |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

CVE.report and Source URL Uptime Status [status.cve.report](#)