



# CVE-2022-40674

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## Summary

<b>CVE</b>	CVE-2022-40674
<b>State</b>	PUBLIC
<b>Assigner</b>	cve@mitre.org
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2022-09-14 11:15:00 UTC
<b>Updated</b>	2023-11-07 03:52:00 UTC
<b>Description</b>	libexpat before 2.4.9 has a use-after-free in the doContent function in xmlparse.c.

## Risk And Classification

**Problem Types:** CWE-416

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	<a href="#">Debian</a>	<a href="#">Debian Linux</a>	10.0	All	All	All
Operating System	<a href="#">Debian</a>	<a href="#">Debian Linux</a>	11.0	All	All	All
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	35	All	All	All
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	36	All	All	All
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	37	All	All	All
Application	<a href="#">Libexpat Project</a>	<a href="#">Libexpat</a>	All	All	All	All

## References

Reference	Source
[SECURITY] Fedora 36 Update: expat-2.4.9-1.fc36 - package-announce - Fedora Mailing-Lists	FEDOR
[SECURITY] [DLA 3119-1] expat security update	MLIST
[SECURITY] Fedora 35 Update: mingw-expat-2.4.9-1.fc35 - package-announce - Fedora Mailing-Lists	
[SECURITY] Fedora 37 Update: mingw-expat-2.4.9-1.fc37 - package-announce - Fedora Mailing-Lists	
[SECURITY] Fedora 36 Update: expat-2.4.9-1.fc36 - package-announce - Fedora Mailing-Lists	
Mozilla Firefox: Multiple Vulnerabilities (GLSA 202211-06) — Gentoo security	GENTO
Debian -- Security Information -- DSA-5236-1 expat	DEBIAN
[SECURITY] Fedora 35 Update: expat-2.4.9-1.fc35 - package-announce - Fedora Mailing-Lists	
[SECURITY] Fedora 36 Update: mingw-expat-2.4.9-1.fc36 - package-announce - Fedora Mailing-Lists	

[SECURITY] Fedora 36 Update: mingw-expat-2.4.9-1.fc36 - package-announce - Fedora Mailing-Lists	
Ensure raw tagnames are safe exiting internalEntityParser by RMJ10 · Pull Request #629 · libexpat/libexpat · GitHub	MISC
[SECURITY] Fedora 36 Update: mingw-expat-2.4.9-1.fc36 - package-announce - Fedora Mailing-Lists	FEDOR.
[SECURITY] Fedora 35 Update: expat-2.4.9-1.fc35 - package-announce - Fedora Mailing-Lists	FEDOR.
[SECURITY] Fedora 35 Update: mingw-expat-2.4.9-1.fc35 - package-announce - Fedora Mailing-Lists	FEDOR.
CVE-2022-40674 libexpat Vulnerability in NetApp Products   NetApp Product Security	CONFIF
Expat: Multiple Vulnerabilities (GLSA 202209-24) — Gentoo security	GENTO
[SECURITY] Fedora 37 Update: mingw-expat-2.4.9-1.fc37 - package-announce - Fedora Mailing-Lists	FEDOR.
tests: Cover heap use-after-free issue in doContent (follow-up to #629) by hartwork · Pull Request #640 · libexpat/libexpat · GitHub	MISC
CVE Program record	CVE.OP
NVD vulnerability detail	NVD

No vendor comments have been submitted for this CVE.

### Legacy QID Mappings

- 160131 Oracle Enterprise Linux Security Update for expat (ELSA-2022-6838)
- 160133 Oracle Enterprise Linux Security Update for expat (ELSA-2022-6834)
- 160138 Oracle Enterprise Linux Security Update for expat (ELSA-2022-6878)
- 160145 Oracle Enterprise Linux Security Update for thunderbird (ELSA-2022-7026)
- 160146 Oracle Enterprise Linux Security Update for firefox (ELSA-2022-7020)
- 160148 Oracle Enterprise Linux Security Update for firefox (ELSA-2022-7024)
- 160149 Oracle Enterprise Linux Security Update for thunderbird (ELSA-2022-7023)
- 160180 Oracle Enterprise Linux Security Update for thunderbird (ELSA-2022-6998)
- 160182 Oracle Enterprise Linux Security Update for firefox (ELSA-2022-6997)
- 160188 Oracle Enterprise Linux Security Update for expat (ELSA-2022-9962)
- 160189 Oracle Enterprise Linux Security Update for compat-expat1 (ELSA-2022-9967)
- 181073 Debian Security Update for expat (DSA 5236-1)
- 181130 Debian Security Update for expat (DLA 3119-1)
- 183854 Debian Security Update for expat (CVE-2022-40674)
- 199028 Ubuntu Security Notification for Firefox Vulnerabilities (USN-5726-1)
- 199034 Ubuntu Security Notification for Expat Vulnerabilities (USN-5638-2)
- 199586 Ubuntu Security Notification for Expat Vulnerabilities (USN-5638-4)

20320 IBM DB2 Multiple Vulnerabilities (6847293)

240714 Red Hat Update for expat (RHSA-2022:6834)

240716 Red Hat Update for expat (RHSA-2022:6832)

240717 Red Hat Update for expat (RHSA-2022:6831)

240718 Red Hat Update for expat (RHSA-2022:6838)

240721 Red Hat Update for expat (RHSA-2022:6878)

240733 Red Hat Update for thunderbird (RHSA-2022:6995)

240735 Red Hat Update for thunderbird (RHSA-2022:6998)

240739 Red Hat Update for firefox (RHSA-2022:7022)

240740 Red Hat Update for firefox (RHSA-2022:7024)

240741 Red Hat Update for thunderbird (RHSA-2022:7023)

240742 Red Hat Update for firefox (RHSA-2022:7020)

240743 Red Hat Update for thunderbird (RHSA-2022:7026)

240744 Red Hat Update for thunderbird (RHSA-2022:6996)

240745 Red Hat Update for firefox (RHSA-2022:6997)

240746 Red Hat Update for firefox (RHSA-2022:7025)

257199 CentOS Security Update for expat (CESA-2022:6834)

283180 Fedora Security Update for expat (FEDORA-2022-15ec504440)

283208 Fedora Security Update for expat (FEDORA-2022-c68d90efc3)

283259 Fedora Security Update for mingw (FEDORA-2022-c22feb71ba)

283260 Fedora Security Update for mingw (FEDORA-2022-d93b3bd8b9)

283462 Fedora Security Update for mingw (FEDORA-2022-dcb1d7bcb1)

296086 Oracle Solaris 11.4 Support Repository Update (SRU) 51.132.1 Missing (CPUOCT2022)

296098 Oracle Solaris 11.4 Support Repository Update (SRU) 52.132.2 Missing (CPUOCT2022)

330125 IBM AIX Multiple Vulnerabilities in Python (python\_advisory2)

354103 Amazon Linux Security Advisory for expat : ALAS2-2022-1877

354131 Amazon Linux Security Advisory for thunderbird : ALAS2-2022-1900

354248 Amazon Linux Security Advisory for expat : ALAS-2022-1654

<a href="#">354280</a> Amazon Linux Security Advisory for expat : ALAS2022-2022-259
<a href="#">354426</a> Amazon Linux Security Advisory for expat : ALAS-2022-259
<a href="#">354528</a> Amazon Linux Security Advisory for expat : ALAS-2022-259
<a href="#">354565</a> Amazon Linux Security Advisory for expat : ALAS-2022-259
<a href="#">355281</a> Amazon Linux Security Advisory for expat : ALAS2023-2023-058
<a href="#">356274</a> Amazon Linux Security Advisory for firefox : ALASFIREFOX-2023-010
<a href="#">356488</a> Amazon Linux Security Advisory for firefox : ALAS2FIREFOX-2023-010
<a href="#">377621</a> Alibaba Cloud Linux Security Update for expat (ALINUX2-SA-2022:0041)
<a href="#">377714</a> Alibaba Cloud Linux Security Update for expat (ALINUX3-SA-2022:0169)
<a href="#">377731</a> F5 BIG-IP Expat Vulnerability cve-2022-40674 (K44454157)
<a href="#">377768</a> Mozilla Firefox Multiple Vulnerabilities (MFSA2022-47)
<a href="#">377882</a> IBM Hypertext Transfer Protocol Server (HTTP Server) Remote Code Execution (RCE) Vulnerability (6827119)
<a href="#">378337</a> IBM Tivoli Monitoring Remote Code Execution (RCE) Vulnerability (6826711)
<a href="#">378492</a> Apache Open Office Multiple Vulnerabilities
<a href="#">378514</a> Alibaba Cloud Linux Security Update for mingw-expat (ALINUX3-SA-2023:0043)
<a href="#">390283</a> Oracle Managed Virtualization (VM) Server for x86 Security Update for expat (OVMSA-2023-0009)
<a href="#">502508</a> Alpine Linux Security Update for expat
<a href="#">502509</a> Alpine Linux Security Update for expat
<a href="#">503917</a> Alpine Linux Security Update for expat
<a href="#">6140116</a> AWS Bottlerocket Security Update for libexpat (GHSA-xvff-wcqq-jj26)
<a href="#">672371</a> EulerOS Security Update for expat (EulerOS-SA-2022-2762)
<a href="#">672398</a> EulerOS Security Update for expat (EulerOS-SA-2022-2727)
<a href="#">672418</a> EulerOS Security Update for expat (EulerOS-SA-2022-2794)
<a href="#">672452</a> EulerOS Security Update for expat (EulerOS-SA-2022-2819)
<a href="#">672453</a> EulerOS Security Update for expat (EulerOS-SA-2022-2844)
<a href="#">672728</a> EulerOS Security Update for expat (EulerOS-SA-2023-1501)
<a href="#">690945</a> Free Berkeley Software Distribution (FreeBSD) Security Update for expat (0a0670a1-3e1a-11ed-b48b-e0d55e2a8bf9)
<a href="#">710626</a> Gentoo Linux Expat Multiple Vulnerabilities (GLSA 202209-24)
<a href="#">710686</a> Gentoo Linux Mozilla Firefox Multiple Vulnerabilities (GLSA 202211-06)

730816 Skyhigh (McAfee) Web Gateway Security Update for expat
752638 SUSE Enterprise Linux Security Update for expat (SUSE-SU-2022:3466-1)
752644 SUSE Enterprise Linux Security Update for expat (SUSE-SU-2022:3489-1)
752678 SUSE Enterprise Linux Security Update for expat (SUSE-SU-2022:3597-1)
87525 IBM HTTP Server Remote Code Execution (RCE) Vulnerability (6827119)
903901 Common Base Linux Mariner (CBL-Mariner) Security Update for expat (10944)
903936 Common Base Linux Mariner (CBL-Mariner) Security Update for expat (10921)
904045 Common Base Linux Mariner (CBL-Mariner) Security Update for expat (10921-1)
904082 Common Base Linux Mariner (CBL-Mariner) Security Update for expat (10944-1)
904948 Common Base Linux Mariner (CBL-Mariner) Security Update for cmake (12307)
904949 Common Base Linux Mariner (CBL-Mariner) Security Update for python3 (12414)
905092 Common Base Linux Mariner (CBL-Mariner) Security Update for python3 (12611)
905144 Common Base Linux Mariner (CBL-Mariner) Security Update for cmake (12468)
940659 AlmaLinux Security Update for expat (ALSA-2022:6838)
940664 AlmaLinux Security Update for expat (ALSA-2022:6878)
940687 AlmaLinux Security Update for thunderbird (ALSA-2022:7023)
940689 AlmaLinux Security Update for firefox (ALSA-2022:7024)
940696 AlmaLinux Security Update for firefox (ALSA-2022:7020)
940698 AlmaLinux Security Update for thunderbird (ALSA-2022:7026)
941071 AlmaLinux Security Update for mingw-expat (ALSA-2023:3068)
960312 Rocky Linux Security Update for firefox (RLSA-2022:7024)
960358 Rocky Linux Security Update for expat (RLSA-2022:6878)
960457 Rocky Linux Security Update for thunderbird (RLSA-2022:7023)
960516 Rocky Linux Security Update for expat (RLSA-2022:6838)

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