



CVE-2022-25315

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

Summary

CVE	CVE-2022-25315
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-02-18 05:15:00 UTC
Updated	2023-11-07 03:44:00 UTC
Description	In Expat (aka libexpat) before 2.4.5, there is an integer overflow in storeRawNames.

Risk And Classification

Problem Types: CWE-190

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	Fedoraproject	Fedora	34	All	All	All
Operating System	Fedoraproject	Fedora	35	All	All	All
Application	Libexpat Project	Libexpat	All	All	All	All
Application	Oracle	Http Server	12.2.1.3.0	All	All	All
Application	Oracle	Http Server	12.2.1.4.0	All	All	All
Application	Oracle	Zfs Storage Appliance Kit	8.8	All	All	All
Application	Siemens	Sinema Remote Connect Server	All	All	All	All

References

Reference	Source	L
Oracle Critical Patch Update Advisory - April 2022	MISC	v
February 2022 Expat Vulnerabilities in NetApp Products NetApp Product Security	CONFIRM	s
[SECURITY] Fedora 35 Update: mingw-expat-2.4.6-1.fc35 - package-announce - Fedora Mailing-Lists	FEDORA	li
[CVE-2022-25315] lib: Prevent integer overflow in storeRawNames by ferivoz · Pull Request #559 · libexpat/libexpat · GitHub	MISC	g
[SECURITY] [DLA 2935-1] expat security update	MLIST	li
[SECURITY] Fedora 35 Update: mingw-expat-2.4.6-1.fc35 - package-announce - Fedora Mailing Lists		li

[SECURITY] Fedora 33 Update: mingw- expat-2.4.6-1.fc33 - package-announce - Fedora Mailing-Lists		
oss-security - Expat 2.4.5 released, includes 5 security fixes	MLIST	v
[SECURITY] Fedora 34 Update: mingw- expat-2.4.6-1.fc34 - package-announce - Fedora Mailing-Lists		li
Expat: Multiple Vulnerabilities (GLSA 202209-24) — Gentoo security	GENTOO	s
Debian -- Security Information -- DSA-5085-1 expat	DEBIAN	v
cert-portal.siemens.com/productcert/pdf/ssa-484086.pdf	CONFIRM	c
[SECURITY] Fedora 34 Update: mingw- expat-2.4.6-1.fc34 - package-announce - Fedora Mailing-Lists	FEDORA	li
CVE Program record	CVE.ORG	v
NVD vulnerability detail	NVD	n

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

159696 Oracle Enterprise Linux Security Update for firefox (ELSA-2022-0824)
159697 Oracle Enterprise Linux Security Update for firefox (ELSA-2022-0818)
159705 Oracle Enterprise Linux Security Update for thunderbird (ELSA-2022-0845)
159706 Oracle Enterprise Linux Security Update for thunderbird (ELSA-2022-0850)
159712 Oracle Enterprise Linux Security Update for expat (ELSA-2022-0951)
159733 Oracle Enterprise Linux Security Update for expat (ELSA-2022-1069)
159782 Oracle Enterprise Linux Security Update for expat (ELSA-2022-9359)
179091 Debian Security Update for expat (DSA 5085-1)
179107 Debian Security Update for expat (DLA 2935-1)
184548 Debian Security Update for expat (CVE-2022-25315)
20259 IBM DB2 Multiple Vulnerabilities (6597637)
240124 Red Hat Update for firefox (RHSA-2022:0817)
240132 Red Hat Update for firefox (RHSA-2022:0824)
240133 Red Hat Update for firefox (RHSA-2022:0818)
240136 Red Hat Update for firefox (RHSA-2022:0816)
240141 Red Hat Update for thunderbird (RHSA-2022:0853)
240142 Red Hat Update for thunderbird (RHSA-2022:0845)
240143 Red Hat Update for thunderbird (RHSA-2022:0843)

240145 Red Hat Update for thunderbird (RHSA-2022:0850)
240155 Red Hat Update for expat (RHSA-2022:0951)
240166 Red Hat Update for expat (RHSA-2022:1012)
240186 Red Hat Update for expat (RHSA-2022:1069)
240187 Red Hat Update for expat (RHSA-2022:1070)
240433 Red Hat Update for thunderbird (RHSA-2022:0847)
240436 Red Hat Update for expat (RHSA-2022:1068)
240794 Red Hat Update for JBoss Core Services (RHSA-2022:7143)
257160 CentOS Security Update for expat (CESA-2022:1069)
257161 CentOS Security Update for firefox (CESA-2022:0824)
257164 CentOS Security Update for thunderbird (CESA-2022:0850)
282449 Fedora Security Update for mingw (FEDORA-2022-3d9d67f558)
282450 Fedora Security Update for mingw (FEDORA-2022-04f206996b)
330124 IBM AIX Multiple Vulnerabilities in Python (python_advisory)
353185 Amazon Linux Security Advisory for expat : ALAS-2022-1570
353196 Amazon Linux Security Advisory for expat : ALAS2-2022-1759
353262 Amazon Linux Security Advisory for thunderbird : ALAS2-2022-1779
354434 Amazon Linux Security Advisory for expat : ALAS2022-2022-232
354490 Amazon Linux Security Advisory for expat : ALAS2022-2022-036
354570 Amazon Linux Security Advisory for expat : ALAS-2022-232
354627 Amazon Linux Security Advisory for expat : AL2012-2022-359
355281 Amazon Linux Security Advisory for expat : ALAS2023-2023-058
376583 F5 BIG-IP Application Security Manager (ASM), Local Traffic Manager (LTM), Access Policy Manager (APM) Expat Vulnerability (K19473898)
377041 Alibaba Cloud Linux Security Update for expat (ALINUX2-SA-2022:0017)
377097 Alibaba Cloud Linux Security Update for expat (ALINUX3-SA-2022:0021)
377786 Alibaba Cloud Linux Security Update for mingw-expat (ALINUX3-SA-2022:0183)
38862 NetApp Data Open Network Technology for Appliance Products (ONTAP) Denial of Service (DoS) Vulnerability (NTAP-20210303-0002)
390283 Oracle Managed Virtualization (VM) Server for x86 Security Update for expat (OVMSA-2023-0009)

44025 Juniper Network Operating System (Junos OS) Multiple Vulnerabilities (JSA70605)
500179 Alpine Linux Security Update for expat
501402 Alpine Linux Security Update for expat
501740 Alpine Linux Security Update for expat
503916 Alpine Linux Security Update for expat
591406 Siemens SIMATIC S7-1500 CPU GNU/Linux subsystem Multiple Vulnerabilities (SSB-439005, ICSA-22-104-13)
6140234 AWS Bottlerocket Security Update for libexpat (GHSA-grm4-6gc8-2424)
671588 EulerOS Security Update for expat (EulerOS-SA-2022-1562)
671757 EulerOS Security Update for expat (EulerOS-SA-2022-1786)
671760 EulerOS Security Update for expat (EulerOS-SA-2022-1803)
671787 EulerOS Security Update for expat (EulerOS-SA-2022-1861)
671796 EulerOS Security Update for expat (EulerOS-SA-2022-1837)
673085 EulerOS Security Update for expat (EulerOS-SA-2023-2143)
710626 Gentoo Linux Expat Multiple Vulnerabilities (GLSA 202209-24)
751782 SUSE Enterprise Linux Security Update for expat (SUSE-SU-2022:0698-1)
751795 SUSE Enterprise Linux Security Update for expat (SUSE-SU-2022:0713-1)
751810 OpenSUSE Security Update for expat (openSUSE-SU-2022:0713-1)
752302 SUSE Enterprise Linux Security Update for expat (SUSE-SU-2022:2294-1)
753324 SUSE Enterprise Linux Security Update for expat (SUSE-SU-2022:14903-1)
87487 IBM Hypertext Transfer Protocol Server (HTTP Server) Multiple Vulnerabilities (6560814)
900695 Common Base Linux Mariner (CBL-Mariner) Security Update for expat (8631)
901716 Common Base Linux Mariner (CBL-Mariner) Security Update for expat (8625-1)
904856 Common Base Linux Mariner (CBL-Mariner) Security Update for cmake (12308)
905052 Common Base Linux Mariner (CBL-Mariner) Security Update for cmake (12476)
940460 AlmaLinux Security Update for firefox (ALSA-2022:0818)
940465 AlmaLinux Security Update for thunderbird (ALSA-2022:0845)
940473 AlmaLinux Security Update for expat (ALSA-2022:0951)
940738 AlmaLinux Security Update for mingw-expat (ALSA-2022:7811)

[960832](#) Rocky Linux Security Update for thunderbird (RLSA-2022:0845)

[960834](#) Rocky Linux Security Update for firefox (RLSA-2022:0818)

[960848](#) Rocky Linux Security Update for expat (RLSA-2022:0951)

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