



# CVE-2019-15903

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064\_img.jpg\)](#)

## Summary

<b>CVE</b>	CVE-2019-15903
<b>State</b>	PUBLIC
<b>Assigner</b>	cve@mitre.org
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2019-09-04 06:15:00 UTC
<b>Updated</b>	2023-11-07 03:05:00 UTC
<b>Description</b>	In libexpat before 2.2.8, crafted XML input could fool the parser into changing from DTD parsing to document parsing too ea

## Risk And Classification

**Problem Types:** [CWE-125](#) | [CWE-776](#)

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	<a href="#">Libexpat Project</a>	<a href="#">Libexpat</a>	All	All	All	All
Application	<a href="#">Libexpat Project</a>	<a href="#">Libexpat</a>	All	All	All	All
Application	<a href="#">Python</a>	<a href="#">Python</a>	All	All	All	All

## References

### Reference

<a href="#">xmlparse.c: Deny internal entities closing the doctype · libexpat/libexpat@c20b758 · GitHub</a>
<a href="#">USN-4132-2: Expat vulnerability   Ubuntu security notices   Ubuntu</a>
<a href="#">[security-announce] openSUSE-SU-2019:2452-1: important: Recommended upda</a>
<a href="#">Debian -- Security Information -- DSA-4571-1 thunderbird</a>
<a href="#">USN-4202-1: Thunderbird vulnerabilities   Ubuntu security notices   Ubuntu</a>
<a href="#">[security-announce] openSUSE-SU-2019:2204-1: moderate: Security update f</a>
<a href="#">About the security content of tvOS 13.3 - Apple Support</a>
<a href="#">Bugtraq: APPLE-SA-2019-12-10-8 watchOS 6.1.1</a>
<a href="#">[security-announce] openSUSE-SU-2019:2425-1: important: Security update</a>
<a href="#">Slackware Security Advisory - python Updates ≈ Packet Storm</a>
<a href="#">Full Disclosure: APPLE-SA-2019-12-10-3 macOS Catalina 10.15.2, Security Update 2019-002 Mojave, Security Update 2019-007 High Sierra</a>

[security-announce] openSUSE-SU-2019:2464-1: important: Recommended update
USN-4132-1: Expat vulnerability   Ubuntu security notices   Ubuntu
[CVE-2019-15903] Heap overflow in XML_GetCurrentLineNumber · Issue #317 · libexpat/libexpat · GitHub
Debian -- Security Information -- DSA-4530-1 expat
[SECURITY] Fedora 31 Update: expat-2.2.8-1.fc31 - package-announce - Fedora Mailing-Lists
Bugtraq: [SECURITY] [DSA 4530-1] expat security update
About the security content of iCloud for Windows 7.16 (includes AAS 8.2) - Apple Support
[R1] Nessus 8.15.0 Fixes Multiple Vulnerabilities - Security Advisory   Tenable®
[security-announce] openSUSE-SU-2020:0086-1: important: Security update
Oracle Critical Patch Update Advisory - October 2020
About the security content of iTunes 12.10.3 for Windows - Apple Support
About the security content of iCloud for Windows 10.9 - Apple Support
Slackware Security Advisory - mozilla-firefox Updates ≈ Packet Storm
Bugtraq: [slackware-security] python (SSA:2019-293-01)
USN-4165-1: Firefox vulnerabilities   Ubuntu security notices   Ubuntu
[security-announce] openSUSE-SU-2019:2459-1: important: Security update
[CVE-2019-15903] Deny internal entities closing the doctype (for #317) by hartwork · Pull Request #318 · libexpat/libexpat · GitHub
[SECURITY] Fedora 30 Update: expat-2.2.8-1.fc30 - package-announce - Fedora Mailing-Lists
About the security content of macOS Catalina 10.15.2, Security Update 2019-002 Mojave, Security Update 2019-007 High Sierra - Apple Support
Expat: Multiple vulnerabilities (GLSA 201911-08) — Gentoo security
Bugtraq: [SECURITY] [DSA 4571-1] thunderbird security update
Full Disclosure: APPLE-SA-2019-12-10-5 tvOS 13.3
[SECURITY] Fedora 29 Update: expat-2.2.8-1.fc29 - package-announce - Fedora Mailing-Lists
Full Disclosure: APPLE-SA-2019-12-10-8 watchOS 6.1.1
USN-4335-1: Thunderbird vulnerabilities   Ubuntu security notices
[security-announce] openSUSE-SU-2019:2451-1: important: Security update
Red Hat Customer Portal
[SECURITY] [DLA 1987-1] firefox-esr security update
[SECURITY] Fedora 31 Update: expat-2.2.8-1.fc31 - package-announce - Fedora Mailing-Lists
Full Disclosure: APPLE-SA-2019-12-10-1 iOS 13.3 and iPadOS 13.3
[SECURITY] Fedora 30 Update: expat-2.2.8-1.fc30 - package-announce - Fedora Mailing-Lists
[SECURITY] Fedora 29 Update: expat-2.2.8-1.fc29 - package-announce - Fedora Mailing-Lists
Bugtraq: [SECURITY] [DSA 4549-1] firefox-esr security update
Bugtraq: [slackware-security] expat (SSA:2019-259-01)
[security-announce] openSUSE-SU-2019:2420-1: important: Security update

About the security content of watchOS 6.1.1 - Apple Support

Red Hat Customer Portal

[security-announce] openSUSE-SU-2019:2205-1: moderate: Security update f

[SECURITY] [DLA 1997-1] thunderbird security update

[security-announce] openSUSE-SU-2019:2424-1: important: Security update

[security-announce] openSUSE-SU-2020:0010-1: important: Security update

About the security content of iOS 13.3 and iPadOS 13.3 - Apple Support

CVE-2019-15903 Expat Vulnerability in NetApp Products | NetApp Product Security

Oracle Critical Patch Update Advisory - April 2020

Release Expat 2.2.8 · Issue #342 · libexpat/libexpat · GitHub

Slackware Security Advisory - expat Updates ~ Packet Storm

Red Hat Customer Portal

Bugtraq: APPLE-SA-2019-12-10-3 macOS Catalina 10.15.2, Security Update 2019-002 Mojave, Security Update 2019-007 High Sierra

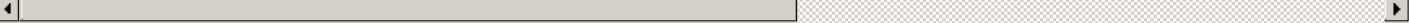
[security-announce] openSUSE-SU-2019:2447-1: important: Security update

Debian -- Security Information -- DSA-4549-1 firefox-esr

Bugtraq: APPLE-SA-2019-12-10-5 tvOS 13.3

CVE Program record

NVD vulnerability detail



No vendor comments have been submitted for this CVE.

### Legacy QID Mappings

- 296078 Oracle Solaris 11.4 Support Repository Update (SRU) 16.4.0 Missing (CPUOCT2019)
- 296079 Oracle Solaris 11.4 Support Repository Update (SRU) 15.5.0 Missing (CPUOCT2019)
- 375654 Tenable Nessus Multiple Vulnerabilities (TNS-2021-11)
- 376403 F5 BIG-IP Application Security Manager (ASM), Local Traffic Manager (LTM), Access Policy Manager (APM) Expat Vulnerability (K05295469)
- 377390 Alibaba Cloud Linux Security Update for expat (ALINUX3-SA-2022:0042)
- 377519 Alibaba Cloud Linux Security Update for expat (ALINUX2-SA-2020:0139)
- 500181 Alpine Linux Security Update for expat
- 500587 Alpine Linux Security Update for python2
- 500923 Alpine Linux Security Update for firefox-esr
- 500944 Alpine Linux Security Update for firefox
- 503829 Alpine Linux Security Update for firefox

503913 Alpine Linux Security Update for expat
591406 Siemens SIMATIC S7-1500 CPU GNU/Linux subsystem Multiple Vulnerabilities (SSB-439005, ICSA-22-104-13)
710115 Gentoo Linux Expat Multiple vulnerabilities (GLSA 201911-08)
730076 IBM MQ Appliance Denial of Service Vulnerability (6403285)
770068 Red Hat OpenShift Container Platform 4.6 Security Update (RHSA-2021:0436)
900404 Common Base Linux Mariner (CBL-Mariner) Security Update for expat (6265)
940069 AlmaLinux Security Update for expat (ALSA-2020:4484)
960835 Rocky Linux Security Update for expat (RLSA-2020:4484)

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