



CVE-2018-20843

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

Summary

CVE	CVE-2018-20843
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2019-06-24 17:15:00 UTC
Updated	2023-11-07 02:56:00 UTC
Description	In libxpat in Expat before 2.2.7, XML input including XML names that contain a large number of colons could make the XM

Risk And Classification

Problem Types: CWE-611

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Canonical	Ubuntu Linux	12.04	All	All	All
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.10	All	All	All
Operating System	Canonical	Ubuntu Linux	19.04	All	All	All
Operating System	Canonical	Ubuntu Linux	12.04	All	All	All
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.10	All	All	All
Operating System	Canonical	Ubuntu Linux	19.04	All	All	All
Operating System	Debian	Debian Linux	8.0	All	All	All
Operating System	Debian	Debian Linux	9.0	All	All	All
Operating System	Debian	Debian Linux	8.0	All	All	All
Operating System	Debian	Debian Linux	9.0	All	All	All
Operating System	Fedoraproject	Fedora	29	All	All	All

Operating System	FedoraProject	Fedora	30	All	All	All
Operating System	FedoraProject	Fedora	29	All	All	All
Operating System	FedoraProject	Fedora	30	All	All	All
Application	Libexpat Project	Libexpat	All	All	All	All
Application	Libexpat Project	Libexpat	All	All	All	All
Operating System	Opensuse	Leap	15.0	All	All	All
Operating System	Opensuse	Leap	15.1	All	All	All
Operating System	Opensuse	Leap	15.0	All	All	All
Operating System	Opensuse	Leap	15.1	All	All	All
Application	Oracle	Hospitality Res 3700	All	All	All	All
Application	Oracle	Http Server	12.1.3.0	All	All	All
Application	Oracle	Http Server	12.2.1.4.0	All	All	All
Application	Oracle	Outside In Technology	8.5.4	All	All	All
Application	Oracle	Outside In Technology	8.5.5	All	All	All
Application	Oracle	Outside In Technology	8.5.4	All	All	All
Application	Oracle	Outside In Technology	8.5.5	All	All	All
Application	Tenable	Nessus	All	All	All	All

References

Reference	Source
libexpat/Changes at R_2_2_7 · libexpat/libexpat · GitHub	MISC
Bugtraq: [SECURITY] [DSA 4472-1] expat security update	BUGTRAQ
xmlparse.c: Fix extraction of namespace prefix from XML name (#186) by hartwork · Pull Request #262 · libexpat/libexpat · GitHub	MISC
[SECURITY] Fedora 30 Update: expat-2.2.7-1.fc30 - package-announce - Fedora Mailing-Lists	
[CVE-2018-20843] 88k xml file uses >2G memory · Issue #186 · libexpat/libexpat · GitHub	MISC
[R1] Nessus 8.15.0 Fixes Multiple Vulnerabilities - Security Advisory Tenable®	CONFIRMED
xmlparse.c: Fix extraction of namespace prefix from XML name (#186) by hartwork · Pull Request #262 · libexpat/libexpat · GitHub	MISC
Oracle Critical Patch Update Advisory - October 2020	MISC
[security-announce] openSUSE-SU-2019:1777-1: moderate: Security update f	SUSE
CVE-2018-20843 Expat Vulnerability in NetApp Products NetApp Product Security	CONFIRMED
Oracle Critical Patch Update Advisory - October 2021	MISC
Debian -- Security Information -- DSA-4472-1 expat	DEBIAN
Expat: Multiple vulnerabilities (GLSA 201911-08) — Gentoo security	GENTOO
USN-4040-1: Expat vulnerability Ubuntu security notices Ubuntu	UBUNTU
[SECURITY] Fedora 30 Update: expat-2.2.7-1.fc30 - package-announce - Fedora Mailing-Lists	FEDORA
5000 · Fedora Project · GitHub	MISC

5226 - oss-tuzz - OSS-Fuzz: Fuzzing the planet - Monorail	MISC
support.f5.com/csp/article/K51011533	CONFIR
USN-4040-2: Expat vulnerability Ubuntu security notices	UBUNTU
[SECURITY] Fedora 29 Update: expat-2.2.7-1.fc29 - package-announce - Fedora Mailing-Lists	
[SECURITY] Fedora 29 Update: expat-2.2.7-1.fc29 - package-announce - Fedora Mailing-Lists	FEDORA
Oracle Critical Patch Update Advisory - April 2020	N/A
[SECURITY] [DLA 1839-1] expat security update	MLIST
Oracle Critical Patch Update Advisory - April 2021	MISC
CVE Program record	CVE.OR
NVD vulnerability detail	NVD

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

375654 Tenable Nessus Multiple Vulnerabilities (TNS-2021-11)
375688 F5 BIG-IP ASM,LTM,APM BIG-IP XML Parser Vulnerability (K51011533)
375965 Oracle Hypertext Transfer Protocol Server (HTTP Server) Multiple Vulnerabilities (CPUOCT2021)
376862 IBM Hypertext Transfer Protocol (HTTP) Server Multiple Vulnerabilities (964768)
377390 Alibaba Cloud Linux Security Update for expat (ALINUX3-SA-2022:0042)
377519 Alibaba Cloud Linux Security Update for expat (ALINUX2-SA-2020:0139)
500180 Alpine Linux Security Update for expat
503912 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)
900122 CBL-Mariner Linux Security Update for expat 2.2.6
902970 Common Base Linux Mariner (CBL-Mariner) Security Update for expat (1830)
940069 AlmaLinux Security Update for expat (ALSA-2020:4484)
940279 AlmaLinux Security Update for mingw-expat (ALSA-2020:4846)
960369 Rocky Linux Security Update for mingw-expat (RLSA-2020:4846)
960925 Rocky Linux Security Update for expat (RLSA-2020:4484)

© [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](#)