



CVE-2018-25032

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

Summary

CVE	CVE-2018-25032
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-03-25 09:15:00 UTC
Updated	2023-11-07 02:56:00 UTC
Description	zlib before 1.2.12 allows memory corruption when deflating (i.e., when compressing) if the input has many distant matches.

Risk And Classification

Problem Types: CWE-787

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Apple	Macos	All	All	All	All
Operating System	Apple	Mac Os X	All	All	All	All
Operating System	Apple	Mac Os X	10.15.7	-	All	All
Operating System	Apple	Mac Os X	10.15.7	security_update_2020	All	All
Operating System	Apple	Mac Os X	10.15.7	security_update_2020-001	All	All
Operating System	Apple	Mac Os X	10.15.7	security_update_2020-005	All	All
Operating System	Apple	Mac Os X	10.15.7	security_update_2020-007	All	All
Operating System	Apple	Mac Os X	10.15.7	security_update_2021-001	All	All
Operating System	Apple	Mac Os X	10.15.7	security_update_2021-002	All	All
Operating System	Apple	Mac Os X	10.15.7	security_update_2021-003	All	All
Operating System	Apple	Mac Os X	10.15.7	security_update_2021-006	All	All
Operating System	Apple	Mac Os X	10.15.7	security_update_2021-007	All	All
Operating System	Apple	Mac Os X	10.15.7	security_update_2021-008	All	All
Operating System	Apple	Mac Os X	10.15.7	security_update_2022-001	All	All
Operating System	Apple	Mac Os X	10.15.7	security_update_2022-002	All	All
Operating System	Apple	Mac Os X	10.15.7	security_update_2022-003	All	All
Application	Azul	Zulu	11.54	All	All	All

Application	Azul	Zulu	13.46	All	All	All
Application	Azul	Zulu	15.38	All	All	All
Application	Azul	Zulu	17.32	All	All	All
Application	Azul	Zulu	6.45	All	All	All
Application	Azul	Zulu	7.52	All	All	All
Application	Azul	Zulu	8.60	All	All	All
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	9.0	All	All	All
Operating System	Fedoraproject	Fedora	34	All	All	All
Operating System	Fedoraproject	Fedora	35	All	All	All
Operating System	Fedoraproject	Fedora	36	All	All	All
Application	Goto	Gotoassist	All	All	All	All
Application	Mariadb	Mariadb	All	All	All	All
Application	Netapp	Active Iq Unified Manager	-	All	All	All
Application	Netapp	Active Iq Unified Manager	-	All	All	All
Application	Netapp	E-series Santricity Os Controller	All	All	All	All
Hardware	Netapp	H300s	-	All	All	All
Operating System	Netapp	H300s Firmware	-	All	All	All
Hardware	Netapp	H410c	-	All	All	All
Operating System	Netapp	H410c Firmware	-	All	All	All
Hardware	Netapp	H410s	-	All	All	All
Operating System	Netapp	H410s Firmware	-	All	All	All
Hardware	Netapp	H500s	-	All	All	All
Operating System	Netapp	H500s Firmware	-	All	All	All
Hardware	Netapp	H700s	-	All	All	All
Operating System	Netapp	H700s Firmware	-	All	All	All
Hardware	Netapp	Hci Compute Node	-	All	All	All
Application	Netapp	Management Services For Element Software	-	All	All	All
Application	Netapp	Oncommand Insight	-	All	All	All
Application	Netapp	Oncommand Workflow Automation	-	All	All	All
Application	Netapp	Ontap Select Deploy Administration Utility	-	All	All	All
Application	Netapp	Snapcenter	-	All	All	All
Application	Python	Python	All	All	All	All
Hardware	Siemens	Scalance Sc622-2c	-	All	All	All

Operating System	Siemens	Scalance Sc622-2c Firmware	All	All	All	All
Hardware	Siemens	Scalance Sc626-2c	-	All	All	All
Operating System	Siemens	Scalance Sc626-2c Firmware	All	All	All	All
Hardware	Siemens	Scalance Sc632-2c	-	All	All	All
Operating System	Siemens	Scalance Sc632-2c Firmware	All	All	All	All
Hardware	Siemens	Scalance Sc636-2c	-	All	All	All
Operating System	Siemens	Scalance Sc636-2c Firmware	All	All	All	All
Hardware	Siemens	Scalance Sc642-2c	-	All	All	All
Operating System	Siemens	Scalance Sc642-2c Firmware	All	All	All	All
Hardware	Siemens	Scalance Sc646-2c	-	All	All	All
Operating System	Siemens	Scalance Sc646-2c Firmware	All	All	All	All
Application	Zlib	Zlib	All	All	All	All

References

Reference	Source	Link
[SECURITY] [DLA 2993-1] libz-mingw-w64 security update	MLIST	lists.debian.org
oss-security - Re: Re: zlib memory corruption on deflate (i.e. compress)	MISC	www.openwall.com
July 2022 MySQL Server Vulnerabilities in NetApp Products NetApp Product Security	CONFIRM	security.netapp.com
[SECURITY] Fedora 36 Update: zlib-1.2.11-32.fc36 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.org
[SECURITY] Fedora 35 Update: zlib-1.2.11-31.fc35 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.org
About the security content of macOS Big Sur 11.6.6 - Apple Support	CONFIRM	support.apple.com
[SECURITY] [DLA 2968-1] zlib security update	MLIST	lists.debian.org
Full Disclosure: APPLE-SA-2022-05-16-2 macOS Monterey 12.4	FULLDISC	seclists.org
About the security content of macOS Monterey 12.4 - Apple Support	CONFIRM	support.apple.com
[SECURITY] Fedora 35 Update: rsync-3.2.3-9.fc35 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.org
Debian -- Security Information -- DSA-5111-1 zlib	DEBIAN	www.debian.org
CVE-2018-25032 (zlib memory corruption on deflate) · Issue #605 · madler/zlib · GitHub	MISC	github.com
cert-portal.siemens.com/productcert/pdf/ssa-333517.pdf	CONFIRM	cert-portal.siemens.com
[SECURITY] Fedora 36 Update: uboot-tools-2022.04-2.fc36 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.org
About the security content of Security Update 2022-004 Catalina - Apple Support	CONFIRM	support.apple.com
oss-security - Re: zlib memory corruption on deflate (i.e. compress)	MISC	www.openwall.com
[SECURITY] Fedora 36 Update: rsync-3.2.3-15.fc36 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.org
oss-security - Re: zlib memory corruption on deflate (i.e. compress)	MLIST	www.openwall.com
Fix a bug that can crash deflate on some input when using Z_FIXED. · madler/zlib@5c44459 · GitHub	MISC	github.com
zlib: Multiple vulnerabilities (GLSA 202210-42) — Gentoo security	GENTOO	security.gentoo.org

[SECURITY] Fedora 35 Update: zlib-1.2.11-31.fc35 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.org
Full Disclosure: APPLE-SA-2022-05-16-3 macOS Big Sur 11.6.6	FULLDISC	seclists.org
[SECURITY] Fedora 35 Update: rsync-3.2.3-9.fc35 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.org
[SECURITY] [DLA 3114-1] mariadb-10.3 security update	MLIST	lists.debian.org
[SECURITY] Fedora 36 Update: uboot-tools-2022.04-2.fc36 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.org
oss-security - zlib memory corruption on deflate (i.e. compress)	MISC	www.openwall.com
[SECURITY] Fedora 34 Update: rsync-3.2.3-6.fc34 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.org
CVE-2018-25032 Zlib Vulnerability in NetApp Products NetApp Product Security	CONFIRM	security.netapp.com
[SECURITY] Fedora 36 Update: zlib-1.2.11-32.fc36 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.org
Full Disclosure: APPLE-SA-2022-05-16-4 Security Update 2022-004 Catalina	FULLDISC	seclists.org
Oracle Critical Patch Update Advisory - July 2022	N/A	www.oracle.com
[SECURITY] Fedora 36 Update: rsync-3.2.3-15.fc36 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.org
oss-security - Re: zlib memory corruption on deflate (i.e. compress)	MLIST	www.openwall.com
Comparing v1.2.11...v1.2.12 · madler/zlib · GitHub	CONFIRM	github.com
[SECURITY] Fedora 34 Update: rsync-3.2.3-6.fc34 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.org
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[159770](#) Oracle Enterprise Linux Security Update for zlib (ELSA-2022-1642)

[159790](#) Oracle Enterprise Linux Security Update for zlib (ELSA-2022-2213)

[159843](#) Oracle Enterprise Linux Security Update for rsync (ELSA-2022-2201)

[159928](#) Oracle Enterprise Linux Security Update for zlib (ELSA-2022-4584)

[159936](#) Oracle Enterprise Linux Security Update for rsync (ELSA-2022-4592)

[159971](#) Oracle Enterprise Linux Security Update for zlib (ELSA-2022-9565)

[160262](#) Oracle Enterprise Linux Security Update for mingw-zlib (ELSA-2022-8420)

[179168](#) Debian Security Update for zlib (DSA 5111-1)

[179169](#) Debian Security Update for zlib (DLA 2968-1)

[179271](#) Debian Security Update for libz-mingw-w64 (DLA 2993-1)

[181097](#) Debian Security Update for mariadb-10.3 (DLA 3114-1)

[198720](#) Ubuntu Security Notification for zlib Vulnerability (USN-5355-1)

198725 Ubuntu Security Notification for rsync Vulnerability (USN-5359-1)
199043 Ubuntu Security Notification for MariaDB Vulnerabilities (USN-5739-1)
20266 Oracle MySQL July 2022 Critical Patch Update (CPUJUL2022)
20317 Oracle Database 21c Critical Patch Update - January 2023
20318 Oracle Database 19c Critical Patch Update - January 2023
20319 Oracle Database 19c Critical OJVM Patch Update - January 2023
20389 IBM DB2 Multiple Vulnerabilities (7087162)
240242 Red Hat Update for zlib (RHSA-2022:1642)
240253 Red Hat Update for zlib (RHSA-2022:1661)
240327 Red Hat Update for zlib (RHSA-2022:2213)
240328 Red Hat Update for rsync (RHSA-2022:2198)
240331 Red Hat Update for rsync (RHSA-2022:2192)
240333 Red Hat Update for rsync (RHSA-2022:2201)
240342 Red Hat Update for rsync (RHSA-2022:4592)
240358 Red Hat Update for zlib (RHSA-2022:4584)
240391 Red Hat Update for zlib (RHSA-2022:4845)
241617 Red Hat Update for zlib (RHSA-2023:0943)
257170 CentOS Security Update for zlib (CESA-2022:2213)
282591 Fedora Security Update for rsync (FEDORA-2022-413a80a102)
282635 Fedora Security Update for rsync (FEDORA-2022-dbd2935e44)
282872 Fedora Security Update for uboot (FEDORA-2022-61cf1c64f6)
283036 Fedora Security Update for zlib (FEDORA-2022-3a92250fd5)
283069 Fedora Security Update for zlib (FEDORA-2022-b58a85e167)
296064 Oracle Solaris 11.4 Support Repository Update (SRU) 46.119.2 Missing (CPUAPR2022)
330131 IBM AIX Denial of Service (DoS) due to zlib and zlibNX (zlib_advisory)
353206 Amazon Linux Security Advisory for zlib : ALAS2-2022-1772
353973 Amazon Linux Security Advisory for zlib : ALAS-2022-1602
354249 Amazon Linux Security Advisory for rsync : ALAS-2022-1640

354323 Amazon Linux Security Advisory for zlib : ALAS2022-2022-100
354390 Amazon Linux Security Advisory for rsync : ALAS2022-2022-158
354522 Amazon Linux Security Advisory for zlib : ALAS2022-2022-159
354637 Amazon Linux Security Advisory for zlib : AL2012-2022-369
355132 Amazon Linux Security Advisory for zlib : ALAS2023-2023-003
355190 Amazon Linux Security Advisory for rsync : ALAS2023-2023-002
376569 Azul Java Multiple Vulnerabilities Security Update April 2022
376607 Apple macOS Security Update 2022-004 Catalina (HT213255)
376608 Apple MacOS Big Sur 11.6.6 Not Installed (HT213256)
376612 Apple macOS Monterey 12.4 Not Installed (HT213257)
376745 F5 BIG-IP Application Security Manager (ASM), Local Traffic Manager (LTM), Access Policy Manager (APM) zlib Vulnerability (K21548854)
377129 Alibaba Cloud Linux Security Update for rsync (ALINUX3-SA-2022:0138)
377788 Alibaba Cloud Linux Security Update for mingw-zlib (ALINUX3-SA-2022:0182)
377911 Oracle Hypertext Transfer Protocol Server (HTTP Server) Multiple Vulnerabilities (CPUJAN2023)
378599 Splunk Enterprise Third Party Package Updates for June (SVD-2023-0613)
390280 Oracle Managed Virtualization (VM) Server for x86 Security Update for zlib (OVMSA-2023-0011)
500831 Alpine Linux Security Update for zlib
502118 Alpine Linux Security Update for minizip
502245 Alpine Linux Security Update for zlib
502495 Alpine Linux Security Update for mariadb
502496 Alpine Linux Security Update for mariadb
504149 Alpine Linux Security Update for mariadb
504568 Alpine Linux Security Update for zlib
591311 Bosch Rexroth PRA-ES8P2S Ethernet-Switch Multiple Vulnerabilities (BOSCH-SA-247053-BT)
591406 Siemens SIMATIC S7-1500 CPU GNU/Linux subsystem Multiple Vulnerabilities (SSB-439005, ICSA-22-104-13)
671695 EulerOS Security Update for zlib (EulerOS-SA-2022-1777)
671835 EulerOS Security Update for zlib (EulerOS-SA-2022-1920)
671847 EulerOS Security Update for rsync (EulerOS-SA-2022-1913)

671879 EulerOS Security Update for zlib (EulerOS-SA-2022-1956)
671928 EulerOS Security Update for zlib (EulerOS-SA-2022-2016)
671952 EulerOS Security Update for zlib (EulerOS-SA-2022-1986)
671966 EulerOS Security Update for zlib (EulerOS-SA-2022-2175)
671983 EulerOS Security Update for zlib (EulerOS-SA-2022-2150)
672276 EulerOS Security Update for mariadb-connector-c (EulerOS-SA-2022-2691)
672283 EulerOS Security Update for mariadb-connector-c (EulerOS-SA-2022-2659)
672339 EulerOS Security Update for mariadb-connector-c (EulerOS-SA-2022-2771)
672376 EulerOS Security Update for deltarpm (EulerOS-SA-2022-2723)
672379 EulerOS Security Update for deltarpm (EulerOS-SA-2022-2758)
672381 EulerOS Security Update for mariadb-connector-c (EulerOS-SA-2022-2736)
672438 EulerOS Security Update for deltarpm (EulerOS-SA-2022-2841)
672469 EulerOS Security Update for deltarpm (EulerOS-SA-2022-2816)
672530 EulerOS Security Update for binutils (EulerOS-SA-2023-1094)
672535 EulerOS Security Update for rsync (EulerOS-SA-2023-1135)
672548 EulerOS Security Update for binutils (EulerOS-SA-2023-1118)
672565 EulerOS Security Update for rsync (EulerOS-SA-2023-1111)
672622 EulerOS Security Update for rsync (EulerOS-SA-2023-1370)
672638 EulerOS Security Update for rsync (EulerOS-SA-2023-1398)
672666 EulerOS Security Update for binutils (EulerOS-SA-2023-1349)
672667 EulerOS Security Update for binutils (EulerOS-SA-2023-1377)
672673 EulerOS Security Update for rsync (EulerOS-SA-2023-1431)
672681 EulerOS Security Update for binutils (EulerOS-SA-2023-1420)
672685 EulerOS Security Update for binutils (EulerOS-SA-2023-1405)
672689 EulerOS Security Update for rsync (EulerOS-SA-2023-1416)
690834 Free Berkeley Software Distribution (FreeBSD) Security Update for Free Berkeley Software Distribution (FreeBSD) (38f2e3a0-b61e-11ec-9ebc-1c697aa5a594)
690902 Free Berkeley Software Distribution (FreeBSD) Security Update for mysql (8e150606-08c9-11ed-856e-d4c9ef517024)
690926 Free Berkeley Software Distribution (FreeBSD) Security Update for mariadb (36d10af7-248d-11ed-856e-d4c9ef517024)

710671 Gentoo Linux zlib Multiple Vulnerabilities (GLSA 202210-42)
730739 IBM Aspera Faspex Multiple Security Vulnerabilities (6952319)
751932 SUSE Enterprise Linux Security Update for zlib (SUSE-SU-2022:1023-1)
751943 SUSE Enterprise Linux Security Update for zlib (SUSE-SU-2022:1061-1)
751944 SUSE Enterprise Linux Security Update for zlib (SUSE-SU-2022:1043-1)
751947 SUSE Enterprise Linux Security Update for zlib (SUSE-SU-2022:1062-1)
751954 OpenSUSE Security Update for zlib (openSUSE-SU-2022:1061-1)
752275 SUSE Enterprise Linux Security Update for python39 (SUSE-SU-2022:2174-1)
752572 SUSE Enterprise Linux Security Update for mariadb (SUSE-SU-2022:3225-1)
753129 SUSE Enterprise Linux Security Update for zlib (SUSE-SU-2022:14929-1)
900778 Common Base Linux Mariner (CBL-Mariner) Security Update for zlib (9140)
901486 Common Base Linux Mariner (CBL-Mariner) Security Update for zlib (9143-1)
902017 Common Base Linux Mariner (CBL-Mariner) Security Update for zlib (9140-1)
903904 Common Base Linux Mariner (CBL-Mariner) Security Update for mariadb (10957)
903913 Common Base Linux Mariner (CBL-Mariner) Security Update for python3 (10961)
904178 Common Base Linux Mariner (CBL-Mariner) Security Update for mariadb (10957-1)
904801 Common Base Linux Mariner (CBL-Mariner) Security Update for python3 (10961-1)
906117 Common Base Linux Mariner (CBL-Mariner) Security Update for python3 (10961-2)
906807 Common Base Linux Mariner (CBL-Mariner) Security Update for grpc (26092-1)
906811 Common Base Linux Mariner (CBL-Mariner) Security Update for tcl (26118-1)
906827 Common Base Linux Mariner (CBL-Mariner) Security Update for boost (26086-1)
906829 Common Base Linux Mariner (CBL-Mariner) Security Update for erlang (26089-1)
906852 Common Base Linux Mariner (CBL-Mariner) Security Update for nmap (26156-1)
906853 Common Base Linux Mariner (CBL-Mariner) Security Update for tcl (26164-1)
906864 Common Base Linux Mariner (CBL-Mariner) Security Update for boost (26135-1)
906878 Common Base Linux Mariner (CBL-Mariner) Security Update for python2 (26116-1)
906879 Common Base Linux Mariner (CBL-Mariner) Security Update for ccache (26087-1)
906957 Common Base Linux Mariner (CBL-Mariner) Security Update for openjdk8 (26131-1)
940489 AlmaLinux Security Update for zlib (ALSA-2022:1642)

940578 AlmaLinux Security Update for rsync (ALSA-2022:2201)

940737 AlmaLinux Security Update for mingw-zlib (ALSA-2022:7813)

940842 AlmaLinux Security Update for mingw-zlib (ALSA-2022:8420)

960361 Rocky Linux Security Update for rsync (RLSA-2022:2201)

960412 Rocky Linux Security Update for zlib (RLSA-2022:1642)

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