



CVE-2022-37434

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF !\[\]\(003082e50e3009141f59bd5df831749f_img.jpg\)](#)

Summary

CVE	CVE-2022-37434
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-08-05 07:15:00 UTC
Updated	2023-07-19 00:56:00 UTC
Description	zlib through 1.2.12 has a heap-based buffer over-read or buffer overflow in inflate in inflate.c via a large gzip header extra fi

Risk And Classification

Problem Types: CWE-787

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Apple	Ipados	All	All	All	All
Operating System	Apple	Ipad Os	All	All	All	All
Operating System	Apple	Iphone Os	All	All	All	All
Operating System	Apple	Macos	All	All	All	All
Operating System	Apple	Watchos	All	All	All	All
Operating System	Debian	Debian Linux	10.0	All	All	All
Operating System	Fedoraproject	Fedora	35	All	All	All
Operating System	Fedoraproject	Fedora	36	All	All	All
Operating System	Fedoraproject	Fedora	37	All	All	All
Application	Netapp	Active Iq Unified Manager	-	All	All	All
Application	Netapp	Active Iq Unified Manager	-	All	All	All
Hardware	Netapp	H300s	-	All	All	All
Operating System	Netapp	H300s 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

Application	Netapp	Hci	-	All	All	All
Hardware	Netapp	Hci Compute Node	-	All	All	All
Application	Netapp	Management Services For Element Software	-	All	All	All
Application	Netapp	Oncommand Workflow Automation	-	All	All	All
Application	Netapp	Ontap Select Deploy Administration Utility	-	All	All	All
Application	Netapp	Storagegrid	-	All	All	All
Application	Stormshield	Stormshield Network Security	All	All	All	All
Application	Zlib	Zlib	All	All	All	All

References

Reference	Source	Link
[SECURITY] Fedora 37 Update: zlib-1.2.12-5.fc37 - package-announce - Fedora Mailing-Lists	MISC	lists.fedoraproject.org
Full Disclosure: APPLE-SA-2022-10-27-5 Additional information for APPLE-SA-2022-10-24-2 macOS Ventura 13	FULLDISC	seclists.org
[SECURITY] Fedora 35 Update: zlib-1.2.11-32.fc35 - package-announce - Fedora Mailing-Lists	MISC	lists.fedoraproject.org
[SECURITY] Fedora 36 Update: zlib-1.2.11-33.fc36 - package-announce - Fedora Mailing-Lists	MISC	lists.fedoraproject.org
GitHub - ivd38/zlib_overflow: Program to trigger zlib 1.2.12 buffer overflow	MISC	github.com
[SECURITY] Fedora 35 Update: zlib-1.2.11-32.fc35 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.org
Full Disclosure: APPLE-SA-2022-10-27-1 iOS 15.7.1 and iPadOS 15.7.1	MISC	seclists.org
zlib/zlib.h at 21767c654d31d2ccdde4330529775c6c5fd5389 · madler/zlib · GitHub	MISC	github.com
[SECURITY] Fedora 36 Update: rsync-3.2.5-1.fc36 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.org
Test 224 fails with CVE-2022-37434 patched zlib · Issue #9271 · curl/curl · GitHub	MISC	github.com
[SECURITY] Fedora 35 Update: rsync-3.2.5-1.fc35 - package-announce - Fedora Mailing-Lists	MISC	lists.fedoraproject.org
About the security content of macOS Ventura 13 - Apple Support	CONFIRM	support.apple.com
CVE-2022-37434 Zlib Vulnerability in NetApp Products NetApp Product Security	CONFIRM	security.netapp.com
Full Disclosure: APPLE-SA-2022-10-27-2 Additional information for APPLE-SA-2022-10-24-1 iOS 16.1 and iPadOS 16	MISC	seclists.org
April 2023 MySQL Server Vulnerabilities in NetApp Products NetApp Product Security	MISC	security.netapp.com
[SECURITY] [DLA 3103-1] zlib security update	MLIST	lists.debian.org
Full Disclosure: APPLE-SA-2022-10-27-6 Additional information for APPLE-SA-2022-10-24-3 macOS Monterey 12.6.1	MISC	seclists.org
Fix a bug when getting a gzip header extra field with inflate(). · madler/zlib@eff308a · GitHub	MISC	github.com
About the security content of iOS 16.1 and iPadOS 16 - Apple Support	CONFIRM	support.apple.com
[SECURITY] Fedora 35 Update: rsync-3.2.5-1.fc35 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.org
oss-security - zlib buffer overflow	MLIST	www.oss-security.com
About the security content of macOS Big Sur 11.7.1 - Apple Support	CONFIRM	support.apple.com
About the security content of macOS Monterey 12.6.1 - Apple Support	CONFIRM	support.apple.com
node/inflate.c at 75b68c6e4db515f76df73af476eccf382bbcb00a · nodejs/node · GitHub	MISC	github.com
[SECURITY] Fedora 37 Update: zlib-1.2.12-5.fc37 - package-announce - Fedora Mailing-Lists	MISC	lists.fedoraproject.org

[SECURITY] Fedora 36 Update: rsync-3.2.5-1.fc36 - package-announce - Fedora Mailing-Lists	MISC	lists.fec
[SECURITY] Fedora 36 Update: zlib-1.2.11-33.fc36 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fec
oss-security - Re: zlib buffer overflow	MLIST	www.o
[SECURITY] Fedora 37 Update: zlib-1.2.12-5.fc37 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fec
Debian -- Security Information -- DSA-5218-1 zlib	DEBIAN	www.d
About the security content of watchOS 9.1 - Apple Support	CONFIRM	suppor
About the security content of iOS 15.7.1 and iPadOS 15.7.1 - Apple Support	CONFIRM	suppor
CVE Program record	CVE.ORG	www.c
NVD vulnerability detail	NVD	nvd.nis



No vendor comments have been submitted for this CVE.

Legacy QID Mappings

160175 Oracle Enterprise Linux Security Update for zlib (ELSA-2022-7106)
160195 Oracle Enterprise Linux Security Update for zlib (ELSA-2022-7314)
160204 Oracle Enterprise Linux Security Update for zlib (ELSA-2022-9987)
160205 Oracle Enterprise Linux Security Update for zlib (ELSA-2022-9988)
160252 Oracle Enterprise Linux Security Update for rsync security and enhancement update (ELSA-2022-7793)
160264 Oracle Enterprise Linux Security Update for rsync (ELSA-2022-8291)
160496 Oracle Enterprise Linux Security Update for zlib (ELSA-2023-1095)
180965 Debian Security Update for zlib (DSA 5218-1)
181046 Debian Security Update for zlib (DLA 3103-1)
184903 Debian Security Update for zliblibz-mingw-w64 (CVE-2022-37434)
198903 Ubuntu Security Notification for zlib Vulnerability (USN-5570-1)
198905 Ubuntu Security Notification for rsync Vulnerability (USN-5573-1)
198991 Ubuntu Security Notification for zlib Vulnerability (USN-5570-2)
20344 Oracle MySQL April 2023 Critical Patch Update (CPUAPR2023)
20389 IBM DB2 Multiple Vulnerabilities (7087162)
240779 Red Hat Update for zlib (RHSA-2022:7106)
240809 Red Hat Update for zlib (RHSA-2022:7314)
240827 Red Hat Update for rsync (RHSA-2022:7793)

240908 Red Hat Update for rsync (RHSA-2022:8291)
241242 Red Hat Update for zlib (RHSA-2023:1095)
242697 Red Hat Update for rsync (RHSA-2024:0254)
257227 CentOS Security Update for zlib (CESA-2023:1095)
283050 Fedora Security Update for rsync (FEDORA-2022-25e4dbedf9)
283075 Fedora Security Update for rsync (FEDORA-2022-15da0cf165)
283082 Fedora Security Update for zlib (FEDORA-2022-b8232d1cca)
283123 Fedora Security Update for zlib (FEDORA-2022-0b517a5397)
296084 Oracle Solaris 11.4 Support Repository Update (SRU) 50.126.3 Missing (CPUOCT2022)
330143 IBM AIX Denial of Service (DoS) due to zlib and zlibNX (zlib_advisory2)
354068 Amazon Linux Security Advisory for zlib : ALAS2-2022-1849
354259 Amazon Linux Security Advisory for zlib : ALAS-2022-1650
354390 Amazon Linux Security Advisory for rsync : ALAS2022-2022-158
354392 Amazon Linux Security Advisory for zlib : ALAS2022-2022-252
354438 Amazon Linux Security Advisory for rsync : ALAS2022-2022-148
354551 Amazon Linux Security Advisory for zlib : ALAS-2022-252
355132 Amazon Linux Security Advisory for zlib : ALAS2023-2023-003
355190 Amazon Linux Security Advisory for rsync : ALAS2023-2023-002
355384 Amazon Linux Security Advisory for rsync : ALAS2-2023-2074
377897 Alibaba Cloud Linux Security Update for rsync security and enhancement update (moderate) (ALINUX3-SA-2023:0005)
377909 Oracle PeopleSoft Enterprise PeopleTools Product Multiple Vulnerabilities (CPUJAN2023)
378117 Alibaba Cloud Linux Security Update for zlib (ALINUX2-SA-2023:0015)
378433 Oracle Hypertext Transfer Protocol Server (HTTP Server) Server Multiple Vulnerabilities (CPUAPR2023)
378599 Splunk Enterprise Third Party Package Updates for June (SVD-2023-0613)
502475 Alpine Linux Security Update for zlib
502976 Alpine Linux Security Update for zlib-ng
503674 Alpine Linux Security Update for zlib
505843 Alpine Linux Security Update for zlib-ng
505979 Alpine Linux Security Update for zlib

591311 Bosch Rexroth PRA-ES8P2S Ethernet-Switch Multiple Vulnerabilities (BOSCH-SA-247053-BT)
610440 Apple iOS 15.7.1 and iPadOS 15.7.1 Security Update Missing
610441 Apple iOS 16.1 and iPadOS 16 Security Update Missing
6140119 AWS Bottlerocket Security Update for libz (GHSA-w5mr-8397-m99w)
672199 EulerOS Security Update for zlib (EulerOS-SA-2022-2485)
672222 EulerOS Security Update for zlib (EulerOS-SA-2022-2641)
672259 EulerOS Security Update for sudo (EulerOS-SA-2022-2701)
672276 EulerOS Security Update for mariadb-connector-c (EulerOS-SA-2022-2691)
672283 EulerOS Security Update for mariadb-connector-c (EulerOS-SA-2022-2659)
672293 EulerOS Security Update for zlib (EulerOS-SA-2022-2673)
672299 EulerOS Security Update for rsync (EulerOS-SA-2022-2664)
672301 EulerOS Security Update for sudo (EulerOS-SA-2022-2669)
672303 EulerOS Security Update for zlib (EulerOS-SA-2022-2705)
672316 EulerOS Security Update for rsync (EulerOS-SA-2022-2696)
672317 EulerOS Security Update for zlib (EulerOS-SA-2022-2715)
672339 EulerOS Security Update for mariadb-connector-c (EulerOS-SA-2022-2771)
672359 EulerOS Security Update for zlib (EulerOS-SA-2022-2787)
672360 EulerOS Security Update for zlib (EulerOS-SA-2022-2752)
672372 EulerOS Security Update for rsync (EulerOS-SA-2022-2777)
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)
672394 EulerOS Security Update for rsync (EulerOS-SA-2022-2742)
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)
672548 EulerOS Security Update for binutils (EulerOS-SA-2023-1118)
672666 EulerOS Security Update for binutils (EulerOS-SA-2023-1349)

672667 EulerOS Security Update for binutils (EulerOS-SA-2023-1377)
672681 EulerOS Security Update for binutils (EulerOS-SA-2023-1420)
672685 EulerOS Security Update for binutils (EulerOS-SA-2023-1405)
690930 Free Berkeley Software Distribution (FreeBSD) Security Update for Free Berkeley Software Distribution (FreeBSD) (a1323a76-28f1-11ed-a72a-002590c1f29c)
691150 Free Berkeley Software Distribution (FreeBSD) Security Update for mysql (f504a8d2-e105-11ed-85f6-84a93843eb75)
710671 Gentoo Linux zlib Multiple Vulnerabilities (GLSA 202210-42)
752485 SUSE Enterprise Linux Security Update for zlib (SUSE-SU-2022:2847-1)
752487 SUSE Enterprise Linux Security Update for zlib (SUSE-SU-2022:2846-1)
752523 SUSE Enterprise Linux Security Update for zlib (SUSE-SU-2022:2947-1)
902669 Common Base Linux Mariner (CBL-Mariner) Security Update for zlib (10473)
902672 Common Base Linux Mariner (CBL-Mariner) Security Update for zlib (10470)
903714 Common Base Linux Mariner (CBL-Mariner) Security Update for zlib (10473-1)
903898 Common Base Linux Mariner (CBL-Mariner) Security Update for zlib (10470-1)
904813 Common Base Linux Mariner (CBL-Mariner) Security Update for python2 (12413)
904832 Common Base Linux Mariner (CBL-Mariner) Security Update for tcl (12451)
904840 Common Base Linux Mariner (CBL-Mariner) Security Update for cloud-hypervisor (12304)
904869 Common Base Linux Mariner (CBL-Mariner) Security Update for boost (12301)
904872 Common Base Linux Mariner (CBL-Mariner) Security Update for cmake (12305)
904880 Common Base Linux Mariner (CBL-Mariner) Security Update for gdb (12333)
904888 Common Base Linux Mariner (CBL-Mariner) Security Update for mariadb (12362)
904889 Common Base Linux Mariner (CBL-Mariner) Security Update for grpc (12344)
904899 Common Base Linux Mariner (CBL-Mariner) Security Update for mozjs60 (12370)
904902 Common Base Linux Mariner (CBL-Mariner) Security Update for rust (12442)
904911 Common Base Linux Mariner (CBL-Mariner) Security Update for binutils (12299)
904912 Common Base Linux Mariner (CBL-Mariner) Security Update for qt5-qtbase (12415)
904914 Common Base Linux Mariner (CBL-Mariner) Security Update for mysql (12382)
904915 Common Base Linux Mariner (CBL-Mariner) Security Update for nmap (12394)
904943 Common Base Linux Mariner (CBL-Mariner) Security Update for erlang (12323)

904946 Common Base Linux Mariner (CBL-Mariner) Security Update for openjdk8 (12405)
904952 Common Base Linux Mariner (CBL-Mariner) Security Update for ccache (12302)
904959 Common Base Linux Mariner (CBL-Mariner) Security Update for gcc (12332)
904971 Common Base Linux Mariner (CBL-Mariner) Security Update for syslinux (12445)
904972 Common Base Linux Mariner (CBL-Mariner) Security Update for nss (12396)
904979 Common Base Linux Mariner (CBL-Mariner) Security Update for erlang (12483)
904983 Common Base Linux Mariner (CBL-Mariner) Security Update for binutils (12461)
904987 Common Base Linux Mariner (CBL-Mariner) Security Update for cloud-hypervisor (12464)
904996 Common Base Linux Mariner (CBL-Mariner) Security Update for qt5-qtbase (12612)
904998 Common Base Linux Mariner (CBL-Mariner) Security Update for nss (12599)
905027 Common Base Linux Mariner (CBL-Mariner) Security Update for syslinux (12655)
905029 Common Base Linux Mariner (CBL-Mariner) Security Update for mariadb-connector-c (12564)
905032 Common Base Linux Mariner (CBL-Mariner) Security Update for nmap (12595)
905034 Common Base Linux Mariner (CBL-Mariner) Security Update for tcl (12656)
905044 Common Base Linux Mariner (CBL-Mariner) Security Update for grpc (12492)
905059 Common Base Linux Mariner (CBL-Mariner) Security Update for boost (12462)
905081 Common Base Linux Mariner (CBL-Mariner) Security Update for cmake (12473)
905094 Common Base Linux Mariner (CBL-Mariner) Security Update for gdb (12487)
905097 Common Base Linux Mariner (CBL-Mariner) Security Update for mariadb (12562)
905101 Common Base Linux Mariner (CBL-Mariner) Security Update for crash (12481)
905104 Common Base Linux Mariner (CBL-Mariner) Security Update for rust (12633)
905129 Common Base Linux Mariner (CBL-Mariner) Security Update for rubygem-mini_portile2 (12632)
905132 Common Base Linux Mariner (CBL-Mariner) Security Update for mysql (12571)
905152 Common Base Linux Mariner (CBL-Mariner) Security Update for gcc (12486)
940715 AlmaLinux Security Update for zlib (ALSA-2022:7106)
940724 AlmaLinux Security Update for zlib (ALSA-2022:7314)
940733 AlmaLinux Security Update for rsync (ALSA-2022:7793)
940803 AlmaLinux Security Update for rsync (ALSA-2022:8291)
960237 Rockv Linux Security Update for zlib (RLSA-2022:7106)

960550 Rocky Linux Security Update for rsync (RLSA-2022:8291)
960554 Rocky Linux Security Update for zlib (RLSA-2022:7314)
960606 Rocky Linux Security Update for rsync (RLSA-2022:7793)

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