



CVE-2022-40307

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Summary

CVE	CVE-2022-40307
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-09-09 05:15:00 UTC
Updated	2023-08-08 14:21:00 UTC
Description	An issue was discovered in the Linux kernel through 5.19.8. drivers/firmware/efi/capsule-loader.c has a race condition with

Risk And Classification

Problem Types: CWE-362

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	Linux	Linux Kernel	All	All	All	All

References

Reference	Source	Link	Tags
[SECURITY] [DLA 3131-1] linux security update	MLIST	lists.debian.org	
Debian -- Security Information -- DSA-5257-1 linux	DEBIAN	www.debian.org	
[SECURITY] [DLA 3173-1] linux-5.10 security update	MLIST	lists.debian.org	
efi: capsule-loader: Fix use-after-free in efi_capsule_write · torvalds/linux@9cb636b · GitHub	MISC	github.com	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, ana

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[181091](#) Debian Security Update for linux (DLA 3131-1)

181145 Debian Security Update for linux (DSA 5257-1)
181190 Debian Security Update for linux-5.10 (DLA 3173-1)
184846 Debian Security Update for linux (CVE-2022-40307)
199087 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5792-1)
199088 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5791-1)
199089 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5793-1)
199090 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5790-1)
199091 Ubuntu Security Notification for Linux kernel (Azure) Vulnerabilities (USN-5791-2)
199094 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5792-2)
199096 Ubuntu Security Notification for Linux kernel (Azure) Vulnerabilities (USN-5793-2)
199098 Ubuntu Security Notification for Linux kernel (IBM) Vulnerabilities (USN-5793-4)
199099 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5793-3)
199100 Ubuntu Security Notification for Linux kernel (Azure) Vulnerabilities (USN-5791-3)
199119 Ubuntu Security Notification for Linux kernel (BlueField) Vulnerabilities (USN-5815-1)
199179 Ubuntu Security Notification for Linux kernel (GKE) Vulnerabilities (USN-5877-1)
199334 Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-6071-1)
354071 Amazon Linux Security Advisory for kernel : ALAS-2022-1636
354075 Amazon Linux Security Advisory for kernel : ALAS2-2022-1852
354081 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.4-2022-036
354082 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.15-2022-008
354084 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.10-2022-020
354439 Amazon Linux Security Advisory for kernel : ALAS2022-2022-150
354468 Amazon Linux Security Advisory for kernel : ALAS2022-2022-185
354542 Amazon Linux Security Advisory for kernel : ALAS-2022-185
355199 Amazon Linux Security Advisory for kernel : ALAS2023-2023-070
377891 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2023:0002)
378043 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX2-SA-2023:0011)
378468 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-20230042)

378512 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2023:0042)
6140356 AWS Bottlerocket Security Update for kernel (GHSA-vqwx-xh77-jjj9)
672454 EulerOS Security Update for kernel (EulerOS-SA-2022-2848)
672474 EulerOS Security Update for kernel (EulerOS-SA-2022-2823)
752944 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4273-1)
752959 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4272-1)
753038 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4573-1)
753039 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4574-1)
753051 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4589-1)
753060 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4615-1)
903899 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10904)
903915 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10954)
904095 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10954-1)
904261 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10904-1)
905881 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10954-2)
906246 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10904-2)

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