



CVE-2022-2978

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Summary

CVE	CVE-2022-2978
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-08-24 16:15:00 UTC
Updated	2023-11-07 03:47:00 UTC
Description	A flaw use after free in the Linux kernel NILFS file system was found in the way user triggers function security_inode_alloc

Risk And Classification

Problem Types: CWE-416

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	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	6.0	rc3	All	All

References

Reference	Source	Link	Tags
[SECURITY] [DLA 3245-1] linux security update	MLIST	lists.debian.org	
[PATCH v2] fs: fix UAF/GPF bug in nilfs_mdt_destroy	MISC	lore.kernel.org	
[PATCH v2] fs: fix UAF/GPF bug in nilfs_mdt_destroy		lore.kernel.org	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analysis

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[181221](#) Debian Security Update for linux (CVE-2022-2978)

[181565](#) Debian Security Update for linux (DLA 3245-1)

198999	Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-5693-1)
199029	Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5728-1)
199030	Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5727-1)
199031	Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5729-1)
199036	Ubuntu Security Notification for Linux kernel (GCP) Vulnerabilities (USN-5727-2)
199037	Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5728-2)
199038	Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5729-2)
199051	Ubuntu Security Notification for Linux kernel (GCP) Vulnerabilities (USN-5728-3)
199072	Ubuntu Security Notification for Linux kernel (Azure) Vulnerabilities (USN-5774-1)
354251	Amazon Linux Security Advisory for kernel : ALAS-2022-1645
377035	Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX2-SA-2022:0038)
377117	Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2022:0158)
377871	Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX2-SA-2023:0001)
377891	Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2023:0002)
6140323	AWS Bottlerocket Security Update for kernel (GHSA-2r75-pvxx-p558)
752839	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3929-1)
752880	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4053-1)
752889	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3897-1)
752911	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3998-1)
752913	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4072-1)
753051	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4589-1)
753063	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4617-1)

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