CVE-2022-3176

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Summary

CVE	CVE-2022-3176
State	PUBLIC
Assigner	security@google.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-09-16 14:15:00 UTC
Updated	2023-04-11 18:15:00 UTC
Description	There exists a use-after-free in io_uring in the Linux kernel. Signalfd_poll() and binder_poll() use a waitqueue whose lifetime

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	Debian	Debian Linux	11.0	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	-	All	All	All

References

Reference	Source	Link	Tags
Debian -- Security Information -- DSA-5257-1 linux	DEBIAN	www.debian.org	
[SECURITY] [DLA 3173-1] linux-5.10 security update	MLIST	lists.debian.org	
????????	MISC	kernel.dance	
kernel/git/stable/linux.git - Linux kernel stable tree	MISC	git.kernel.org	
CVE-2022-3176 Linux Kernel Vulnerability in NetApp Products | NetApp Product Security	CONFIRM	security.netapp.com	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, ana

Vendor Comments And Credit

Discovery Credit

LEGACY: Bing-Jhong Billy Jheng <billy@starlabs.sg>

Legacy QID Mappings

181145 Debian Security Update for linux (DSA 5257-1)

181190 Debian Security Update for linux-5.10 (DLA 3173-1)

184569 Debian Security Update for linux (CVE-2022-3176)

198979 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5667-1)

198980 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5668-1)

198987 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5677-1)

198989 Ubuntu Security Notification for Linux kernel (IBM) Vulnerabilities (USN-5683-1)

198990 Ubuntu Security Notification for Linux kernel (AWS) Vulnerabilities (USN-5682-1)

199009 Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-5703-1)

199011 Ubuntu Security Notification for Linux kernel (Azure CVM) Vulnerabilities (USN-5706-1)

354082 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.15-2022-008

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

377626 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX2-SA-2022:0044)

377633 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2022:0167)

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)

6140303 AWS Bottlerocket Security Update for kernel (GHSA-rph4-chmh-mwx8)

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)

753020 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4585-1)

753034 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4504-1)

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)