



CVE-2023-5197

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064_img.jpg\)](#)

Summary

CVE	CVE-2023-5197
State	PUBLIC
Assigner	security@google.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-09-27 15:19:00 UTC
Updated	2023-10-11 16:23:00 UTC
Description	A use-after-free vulnerability in the Linux kernel's netfilter: nf_tables component can be exploited to achieve local privilege e

Risk And Classification

Problem Types: CWE-416

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	All	All	All	All

References

Reference	Source	Link	Tags
kernel.dance/f15f29fd4779be8a418b66e9d52979bb6d6c2325	MISC	kernel.dance	
kernel/git/torvalds/linux.git - Linux kernel source tree	MISC	git.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

[161237](#) Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2023-13043)

[199841](#) Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6444-1)

[199844](#) Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-6445-1)

[199847](#) Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-6443-1)

199848 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6446-1)
199858 Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-6445-2)
199859 Ubuntu Security Notification for Linux kernel (StarFive) Vulnerabilities (USN-6444-2)
199861 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6446-2)
199868 Ubuntu Security Notification for Linux kernel (Oracle) Vulnerabilities (USN-6446-3)
199883 Ubuntu Security Notification for Linux kernel (NVIDIA) Vulnerabilities (USN-6466-1)
199893 Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-6479-1)
199912 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6454-1)
199913 Ubuntu Security Notification for Linux kernel (StarFive) Vulnerabilities (USN-6454-4)
199916 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6454-2)
199918 Ubuntu Security Notification for Linux kernel (ARM laptop) Vulnerabilities (USN-6454-3)
356469 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.10-2023-041
356530 Amazon Linux Security Advisory for kernel : ALAS2023-2023-385
356569 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.15-2023-028
356872 Amazon Linux Security Advisory for kernel-livepatch : ALAS2LIVEPATCH-2023-156
356877 Amazon Linux Security Advisory for kernel-livepatch : ALAS2LIVEPATCH-2023-159
356881 Amazon Linux Security Advisory for kernel-livepatch : ALAS2LIVEPATCH-2023-160
356919 Amazon Linux Security Advisory for kernel-livepatch : ALAS2023LIVEPATCH-2023-026
356922 Amazon Linux Security Advisory for kernel-livepatch : ALAS2023LIVEPATCH-2023-023
356923 Amazon Linux Security Advisory for kernel-livepatch : ALAS2023LIVEPATCH-2023-024
356924 Amazon Linux Security Advisory for kernel-livepatch : ALAS2023LIVEPATCH-2023-025
6000419 Debian Security Update for linux (DSA 5594-1)
6000428 Debian Security Update for linux-5.10 (DLA 3711-1)
6140000 AWS Bottlerocket Security Update for kernel (GHSA-v6mr-65pv-hxxx)
6140010 AWS Bottlerocket Security Update for kernel (GHSA-7pj6-jj2g-jcxw)
6140014 AWS Bottlerocket Security Update for kernel (GHSA-xgr3-38qr-f3ff)
6140209 AWS Bottlerocket Security Update for kernel (GHSA-xgr3-38qr-f3ff)
6140416 AWS Bottlerocket Security Update for kernel (GHSA-rc4c-699v-m6vh)
673595 EulerOS Security Update for kernel (EulerOS-SA-2023-3247)

673692 EulerOS Security Update for kernel (EulerOS-SA-2023-3275)

755965 SUSE Enterprise Linux Security Update for the linux kernel (SUSE-SU-2024:0858-1)

756010 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2024:0977-1)

907537 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (30057-1)

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