



CVE-2023-0461

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

Summary

CVE	CVE-2023-0461
State	PUBLIC
Assigner	security@google.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-02-28 15:15:00 UTC
Updated	2023-06-06 19:16:00 UTC
Description	There is a use-after-free vulnerability in the Linux Kernel which can be exploited to achieve local privilege escalation. To re

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
Operating System	Linux	Linux Kernel	6.2	rc1	All	All
Operating System	Linux	Linux Kernel	6.2	rc2	All	All

References

Reference	Source	Link	Tags
?????????	MISC	kernel.dance	
[SECURITY] [DLA 3403-1] linux security update	MISC	lists.debian.org	
[SECURITY] [DLA 3404-1] linux-5.10 security update	MISC	lists.debian.org	
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

160583 Oracle Enterprise Linux Security Update for kernel (ELSA-2023-2458)

160692 Oracle Enterprise Linux Security Update for kernel (ELSA-2023-2951)
181765 Debian Security Update for linux-5.10 (DLA 3404-1)
181768 Debian Security Update for linux (DLA 3403-1)
184758 Debian Security Update for linux (CVE-2023-0461)
199207 Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-5914-1)
199208 Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-5915-1)
199209 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5912-1)
199210 Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-5913-1)
199211 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5911-1)
199212 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5917-1)
199214 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5920-1)
199217 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5925-1)
199218 Ubuntu Security Notification for Linux kernel (Azure) Vulnerabilities (USN-5927-1)
199220 Ubuntu Security Notification for Linux kernel (Raspberry Pi) Vulnerabilities (USN-5929-1)
199223 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5935-1)
199224 Ubuntu Security Notification for Linux kernel (Raspberry Pi) Vulnerabilities (USN-5934-1)
199226 Ubuntu Security Notification for Linux kernel (GCP) Vulnerabilities (USN-5939-1)
199227 Ubuntu Security Notification for Linux kernel (GKE) Vulnerabilities (USN-5938-1)
199229 Ubuntu Security Notification for Linux kernel (KVM) Vulnerabilities (USN-5941-1)
199230 Ubuntu Security Notification for Linux kernel (Raspberry Pi) Vulnerabilities (USN-5940-1)
199238 Ubuntu Security Notification for Linux kernel (KVM) Vulnerabilities (USN-5950-1)
199239 Ubuntu Security Notification for Linux kernel (IBM) Vulnerabilities (USN-5951-1)
199243 Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-5962-1)
199255 Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-5976-1)
199276 Ubuntu Security Notification for Linux kernel (BlueField) Vulnerabilities (USN-6000-1)
199502 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5975-1)
199541 Ubuntu Security Notification for Linux kernel (Azure) Vulnerabilities (USN-5924-1)
199566 Ubuntu Security Notification for Linux kernel (GCP) Vulnerabilities (USN-6007-1)
199567 Ubuntu Security Notification for Linux kernel (HWE) Vulnerabilities (USN-5883-1)

199581 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5919-1)
241308 Red Hat Update for kernel-rt (RHSA-2023:1556)
241315 Red Hat Update for kernel (RHSA-2023:1557)
241327 Red Hat Update for kpatch-patch (RHSA-2023:1662)
241357 Red Hat Update for kernel (RHSA-2023:1841)
241374 Red Hat Update for kpatch-patch (RHSA-2023:1923)
241417 Red Hat Update for kernel security (RHSA-2023:2458)
241468 Red Hat Update for kernel-rt (RHSA-2023:2148)
241504 Red Hat Update for kernel security (RHSA-2023:2951)
241527 Red Hat Update for kernel-rt (RHSA-2023:2736)
241588 Red Hat Update for kernel (RHSA-2023:3465)
241590 Red Hat Update for kernel-rt (RHSA-2023:3470)
241591 Red Hat Update for kpatch-patch (RHSA-2023:3490)
241610 Red Hat Update for kernel (RHSA-2023:3190)
241629 Red Hat Update for kpatch-patch (RHSA-2023:3191)
241825 Red Hat Update for kpatch-patch (RHSA-2023:4146)
241831 Red Hat Update for kernel-rt (RHSA-2023:4126)
241832 Red Hat Update for kernel (RHSA-2023:4125)
378468 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-20230042)
378473 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX2-SA-2023:0021)
378512 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2023:0042)
378710 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2023:0079)
672981 EulerOS Security Update for kernel (EulerOS-SA-2023-1848)
673005 EulerOS Security Update for kernel (EulerOS-SA-2023-1873)
673017 EulerOS Security Update for kernel (EulerOS-SA-2023-1978)
673047 EulerOS Security Update for kernel (EulerOS-SA-2023-1956)
673074 EulerOS Security Update for kernel (EulerOS-SA-2023-2193)
673121 EulerOS Security Update for kernel (EulerOS-SA-2023-2296)

673157 EulerOS Security Update for kernel (EulerOS-SA-2023-2272)
753902 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:1800-1)
753905 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:1811-1)
755842 SUSE Enterprise Linux Security Update for the linux kernel (SUSE-SU-2023:0774-1)
755851 SUSE Enterprise Linux Security Update for the linux kernel (SUSE-SU-2023:2646-1)
756032 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 0 for SLE 15 SP5) (SUSE-SU-2024:1039-1)
756047 SUSE Enterprise Linux Security Update for the Linux Kernel RT (Live Patch 0 for SLE 15 SP5) (SUSE-SU-2024:1097-1)
906625 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (25353-3)
906715 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (25343-1)
941023 AlmaLinux Security Update for kernel (ALSA-2023:2458)
941061 AlmaLinux Security Update for kernel-rt (ALSA-2023:2148)
941096 AlmaLinux Security Update for kernel (ALSA-2023:2951)
941114 AlmaLinux Security Update for kernel-rt (ALSA-2023:2736)

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