



CVE-2023-0590

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Summary

CVE	CVE-2023-0590
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-03-23 21:15:00 UTC
Updated	2024-01-11 19:15:00 UTC
Description	A use-after-free flaw was found in qdisc_graft in net/sched/sch_api.c in the Linux Kernel due to a race problem. This flaw le

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	6.1	rc1	All	All

References

Reference	Source	Link	Tags
[debian-lts-announce] 20240111 [SECURITY] [DLA 3710-1] linux security update		lists.debian.org	
[PATCH net] net: sched: fix race condition in qdisc_graft() - Eric Dumazet	MISC	lore.kernel.org	
[PATCH net] net: sched: fix race condition in qdisc_graft() - Eric Dumazet		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

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

[161147](#) Oracle Enterprise Linux Security Update for kernel (ELSA-2023-7077)

[161343](#) Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2024-12150)

181576 Debian Security Update for linux (CVE-2023-0590)
199159 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5851-1)
199160 Ubuntu Security Notification for Linux kernel (GKE) Vulnerabilities (USN-5860-1)
199166 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5850-1)
199177 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5876-1)
199179 Ubuntu Security Notification for Linux kernel (GKE) Vulnerabilities (USN-5877-1)
199181 Ubuntu Security Notification for Linux kernel (Azure) Vulnerabilities (USN-5878-1)
199183 Ubuntu Security Notification for Linux kernel (HWE) Vulnerabilities (USN-5879-1)
199650 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6284-1)
199669 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6301-1)
241417 Red Hat Update for kernel security (RHSA-2023:2458)
241468 Red Hat Update for kernel-rt (RHSA-2023:2148)
242151 Red Hat Update for kernel security (RHSA-2023:5627)
242434 Red Hat Update for kernel-rt security (RHSA-2023:6901)
242451 Red Hat Update for kernel security (RHSA-2023:7077)
242481 Red Hat Update for kernel (RHSA-2023:7382)
242483 Red Hat Update for kernel-rt (RHSA-2023:7389)
354904 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.4-2023-044
355199 Amazon Linux Security Advisory for kernel : ALAS2023-2023-070
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)
6000429 Debian Security Update for linux (DLA 3710-1)
672914 EulerOS Security Update for kernel (EulerOS-SA-2023-1781)
672951 EulerOS Security Update for kernel (EulerOS-SA-2023-1759)
673005 EulerOS Security Update for kernel (EulerOS-SA-2023-1873)
673017 EulerOS Security Update for kernel (EulerOS-SA-2023-1978)

753709	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:0433-1)
753743	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:0618-1)
753745	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:0634-1)
753807	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:0768-1)
753808	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:0778-1)
753810	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:0780-1)
753832	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:0852-1)
753901	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:1803-1)
753903	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:1801-1)
753914	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:1848-1)
754023	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:2232-1)
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)
755900	SUSE Enterprise Linux Security Update for the Linux-RT Kernel (SUSE-SU-2023:0488-1)
906818	Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (25751-1)
906848	Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (25739-1)
941023	AlmaLinux Security Update for kernel (ALSA-2023:2458)
941061	AlmaLinux Security Update for kernel-rt (ALSA-2023:2148)
941453	AlmaLinux Security Update for kernel (ALSA-2023:7077)

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