



# CVE-2023-3777

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

## Summary

<b>CVE</b>	CVE-2023-3777
<b>State</b>	PUBLIC
<b>Assigner</b>	security@google.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2023-09-06 14:15:00 UTC
<b>Updated</b>	2023-10-24 15:01:00 UTC
<b>Description</b>	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	<a href="#">Canonical</a>	<a href="#">Ubuntu Linux</a>	14.04	All	All	All
Operating System	<a href="#">Canonical</a>	<a href="#">Ubuntu Linux</a>	16.04	All	All	All
Operating System	<a href="#">Canonical</a>	<a href="#">Ubuntu Linux</a>	18.04	All	All	All
Operating System	<a href="#">Canonical</a>	<a href="#">Ubuntu Linux</a>	20.04	All	All	All
Operating System	<a href="#">Canonical</a>	<a href="#">Ubuntu Linux</a>	22.04	All	All	All
Operating System	<a href="#">Debian</a>	<a href="#">Debian Linux</a>	12.0	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	All	All	All	All

## References

Reference	Source	Link	Tags
<a href="#">kernel/git/torvalds/linux.git - Linux kernel source tree</a>	MISC	<a href="#">git.kernel.org</a>	
<a href="#">Debian -- Security Information -- DSA-5492-1 linux</a>	MISC	<a href="#">www.debian.org</a>	
<a href="#">Kernel Live Patch Security Notice LSN-0098-1 ≈ Packet Storm</a>	MISC	<a href="#">packetstormsecurity.com</a>	
<a href="#">kernel.dance/6eaf41e87a223ae6f8e7a28d6e78384ad7e407f8</a>	MISC	<a href="#">kernel.dance</a>	
<a href="#">CVE Program record</a>	CVE.ORG	<a href="#">www.cve.org</a>	canonical
<a href="#">NVD vulnerability detail</a>	NVD	<a href="#">nvd.nist.gov</a>	canonical, analysis

No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

161318	Oracle Enterprise Linux Security Update for kernel (ELSA-2024-12094)
161404	Oracle Enterprise Linux Security Update for kernel (ELSA-2024-0461)
199764	Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-6385-1)
242759	Red Hat Update for kernel (RHSA-2024:0432)
242839	Red Hat Update for kernel (RHSA-2024:0461)
242845	Red Hat Update for kernel (RHSA-2024:0448)
242846	Red Hat Update for kernel-rt (RHSA-2024:0439)
242847	Red Hat Update for kernel-rt (RHSA-2024:0431)
356571	Amazon Linux Security Advisory for kernel-livepatch : ALAS2LIVEPATCH-2023-155
6000220	Debian Security Update for linux (DSA 5492-1)
6120009	Google COS Security Update for sys-kernel/lakitu-kernel-6_1 (CVE-2023-3777)
6140371	AWS Bottlerocket Security Update for kernel (GHSA-7mhm-4p54-xrvq)
673595	EulerOS Security Update for kernel (EulerOS-SA-2023-3247)
673692	EulerOS Security Update for kernel (EulerOS-SA-2023-3275)
755238	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4378-1)
755240	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4375-1)
755249	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4414-1)
755397	SUSE Enterprise Linux Security Update for the Linux Kernel RT (Live Patch 7 for SLE 15 SP5) (SUSE-SU-2023:4781-1)
755398	SUSE Enterprise Linux Security Update for the Linux Kernel RT (Live Patch 6 for SLE 15 SP5) (SUSE-SU-2023:4776-1)
755422	SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 37 for SLE 15 SP3) (SUSE-SU-2023:4839-1)
755465	SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 6 for SLE 15 SP5) (SUSE-SU-2023:4867-1)
755563	SUSE Security Update for the linux kernel (SUSE-SU-2023:4351-1)
755564	SUSE Security Update for the linux kernel (SUSE-SU-2023:4348-1)
755566	SUSE Security Update for the linux kernel (SUSE-SU-2023:4345-1)

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