



# CVE-2023-3610

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

## Summary

<b>CVE</b>	CVE-2023-3610
<b>State</b>	PUBLIC
<b>Assigner</b>	security@google.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2023-07-21 21:15:00 UTC
<b>Updated</b>	2023-08-18 14:15:00 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="#">Debian</a>	<a href="#">Debian Linux</a>	11.0	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	All	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	6.4	rc1	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	6.4	rc2	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	6.4	rc3	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	6.4	rc4	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	6.4	rc5	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	6.4	rc6	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	6.4	rc7	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-5461-1 linux</a>	MISC	<a href="#">www.debian.org</a>	
<a href="#">[SECURITY] [DLA 3512-1] linux-5.10 security update</a>	MISC	<a href="#">lists.debian.org</a>	
<a href="#">July 2023 Linux Kernel 6.3 Vulnerabilities in NetApp Products   NetApp Product Security</a>	MISC	<a href="#">security.netapp.com</a>	
<a href="#">kernel.dance/4bedf9eee016286c835e3d8fa981ddece5338795</a>	MISC	<a href="#">kernel.dance</a>	

CVE Program record	CVE.ORG	<a href="http://www.cve.org">www.cve.org</a>	canonical
NVD vulnerability detail	NVD	<a href="http://nvd.nist.gov">nvd.nist.gov</a>	canonical, anal

No vendor comments have been submitted for this CVE.

### Legacy QID Mappings

<a href="#">160912</a> Oracle Enterprise Linux Security Update for kernel (ELSA-2023-5069)
<a href="#">160943</a> Oracle Enterprise Linux Security Update for kernel (ELSA-2023-12836)
<a href="#">199651</a> Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-6285-1)
<a href="#">199764</a> Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-6385-1)
<a href="#">378892</a> Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2023:0114)
<a href="#">379043</a> Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2023:0136)
<a href="#">6000008</a> Debian Security Update for linux (DSA 5461-1)
<a href="#">6000130</a> Debian Security Update for linux-5.10 (DLA 3512-1)
<a href="#">6140248</a> AWS Bottlerocket Security Update for kernel (GHSA-fwj-42wq-6h6x)
<a href="#">673354</a> EulerOS Security Update for kernel (EulerOS-SA-2023-2843)
<a href="#">673496</a> EulerOS Security Update for kernel (EulerOS-SA-2023-2860)
<a href="#">754832</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3600-1)
<a href="#">754833</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3599-1)
<a href="#">754855</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3656-1)
<a href="#">754867</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3683-1)
<a href="#">754868</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3682-1)
<a href="#">754884</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3704-1)
<a href="#">754899</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3599-2)
<a href="#">754900</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3600-2)
<a href="#">754901</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3704-2)
<a href="#">754903</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3683-2)
<a href="#">755026</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3964-1)
<a href="#">755037</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3971-1)
<a href="#">755038</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3969-1)

755043 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3988-1)
907126 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (27725-1)
907205 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (27673-1)
941249 AlmaLinux Security Update for kernel (ALSA-2023:5069)
941254 AlmaLinux Security Update for kernel-rt (ALSA-2023:5091)
961015 Rocky Linux Security Update for kernel-rt (RLSA-2023:5091)

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