



# CVE-2023-4194

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## Summary

<b>CVE</b>	CVE-2023-4194
<b>State</b>	PUBLIC
<b>Assigner</b>	secalert@redhat.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2023-08-07 14:15:00 UTC
<b>Updated</b>	2024-03-26 16:15:00 UTC
<b>Description</b>	A flaw was found in the Linux kernel's TUN/TAP functionality. This issue could allow a local user to bypass network filters a

## Risk And Classification

**Problem Types:** CWE-843

## 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>	10.0	All	All	All
Operating System	<a href="#">Debian</a>	<a href="#">Debian Linux</a>	11.0	All	All	All
Operating System	<a href="#">Debian</a>	<a href="#">Debian Linux</a>	12.0	All	All	All
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	37	All	All	All
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	38	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	6.5	rc1	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	6.5	rc2	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	6.5	rc3	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	6.5	rc4	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	All	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux</a>	8.0	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux</a>	9.0	All	All	All

## References

Reference	Source
[PATCH 2/2] net: tap_open(): set sk_uid from current_fsuid() - Laszlo Ersek	MISC
[SECURITY] [DLA 3623-1] linux-5.10 security update	MISC

Debian -- Security Information -- DSA-5480-1 linux	MISC
Red Hat	
[SECURITY] Fedora 37 Update: kernel-6.4.10-100.fc37 - package-announce - Fedora Mailing-Lists	MISC
[PATCH 1/2] net: tun_chr_open(): set sk_uid from current_fsuid() - Laszlo Ersek	MISC
Debian -- Security Information -- DSA-5492-1 linux	MISC
cve-details	MISC
[SECURITY] Fedora 38 Update: kernel-6.4.10-200.fc38 - package-announce - Fedora Mailing-Lists	MISC
2229498 – (CVE-2023-4194) CVE-2023-4194 kernel: tap: tap_open(): correctly initialize socket uid next fix of i_uid to current_fsuid	MISC
August 2023 Linux Kernel 6.5-rc5 Vulnerabilities in NetApp Products   NetApp Product Security	MISC
[PATCH 0/2] tun/tap: set sk_uid from current_fsuid() - Laszlo Ersek	MISC
CVE Program record	CVE.OF
NVD vulnerability detail	NVD

No vendor comments have been submitted for this CVE.

### Legacy QID Mappings

<a href="#">161066</a> Oracle Enterprise Linux Security Update for kernel (ELSA-2023-6583)
<a href="#">199764</a> Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-6385-1)
<a href="#">199804</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6417-1)
<a href="#">199809</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6416-1)
<a href="#">199810</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6412-1)
<a href="#">199814</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6416-2)
<a href="#">199840</a> Ubuntu Security Notification for Linux kernel (Raspberry Pi) Vulnerabilities (USN-6416-3)
<a href="#">199844</a> Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-6445-1)
<a href="#">199858</a> Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-6445-2)
<a href="#">199883</a> Ubuntu Security Notification for Linux kernel (NVIDIA) Vulnerabilities (USN-6466-1)
<a href="#">242399</a> Red Hat Update for kernel security (RHSA-2023:6583)
<a href="#">284396</a> Fedora Security Update for kernel (FEDORA-2023-d9509be489)
<a href="#">284399</a> Fedora Security Update for kernel (FEDORA-2023-ee241dcf80)
<a href="#">355864</a> Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.4-2023-051
<a href="#">356578</a> Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.4-2023-054
<a href="#">6000212</a> Debian Security Update for linux (DSA 5480-1)

6000220	Debian Security Update for linux (DSA 5492-1)
6000265	Debian Security Update for linux-5.10 (DLA 3623-1)
673406	EulerOS Security Update for kernel (EulerOS-SA-2023-3182)
673449	EulerOS Security Update for kernel (EulerOS-SA-2023-2898)
673484	EulerOS Security Update for kernel (EulerOS-SA-2023-3033)
673498	EulerOS Security Update for kernel (EulerOS-SA-2023-3132)
673732	EulerOS Security Update for kernel (EulerOS-SA-2023-3010)
673848	EulerOS Security Update for kernel (EulerOS-SA-2023-3217)
673970	EulerOS Security Update for kernel (EulerOS-SA-2023-2879)
754832	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3600-1)
754833	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3599-1)
754855	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3656-1)
754866	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3684-1)
754867	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3683-1)
754868	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3682-1)
754869	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3681-1)
754883	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3705-1)
754884	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3704-1)
754899	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3599-2)
754900	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3600-2)
754901	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3704-2)
754903	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3683-2)
755026	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3964-1)
755037	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3971-1)
755038	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)

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