



# CVE-2023-0459

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064\_img.jpg\)](#)

## Summary

<b>CVE</b>	CVE-2023-0459
<b>State</b>	PUBLIC
<b>Assigner</b>	security@google.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2023-05-25 14:15:00 UTC
<b>Updated</b>	2023-06-06 13:47:00 UTC
<b>Description</b>	Copy_from_user on 64-bit versions of the Linux kernel does not implement the __uaccess_begin_nospec allowing a user to

## Risk And Classification

**Problem Types:** CWE-763

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	All	All	All	All

## References

Reference	Source	Link	Tags
x86: get rid of small constant size cases in raw_copy_{to,from}_user() · torvalds/linux@4b842e4 · GitHub	MISC	<a href="https://github.com">github.com</a>	
uaccess: Add speculation barrier to copy_from_user() · torvalds/linux@74e19ef · GitHub	MISC	<a href="https://github.com">github.com</a>	
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>	cano
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>	cano

No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

[181765](#) Debian Security Update for linux-5.10 (DLA 3404-1)

[181768](#) Debian Security Update for linux (DLA 3403-1)

[183030](#) Debian Security Update for linux (CVE-2023-0459)

[199342](#) Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6080-1)

<a href="#">199343</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6079-1)
<a href="#">199346</a> Ubuntu Security Notification for Linux kernel (Raspberry Pi) Vulnerabilities (USN-6085-1)
<a href="#">199351</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6090-1)
<a href="#">199353</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6091-1)
<a href="#">199354</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6096-1)
<a href="#">199355</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6094-1)
<a href="#">199368</a> Ubuntu Security Notification for Linux kernel (Raspberry Pi) Vulnerabilities (USN-6109-1)
<a href="#">199376</a> Ubuntu Security Notification for Linux kernel (Oracle) Vulnerabilities (USN-6118-1)
<a href="#">199384</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6132-1)
<a href="#">199385</a> Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-6134-1)
<a href="#">199389</a> Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-6133-1)
<a href="#">199423</a> Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-6174-1)
<a href="#">199465</a> Ubuntu Security Notification for Linux kernel (Xilinx ZynqMP) Vulnerabilities (USN-6222-1)
<a href="#">199504</a> Ubuntu Security Notification for Linux kernel (Azure) Vulnerabilities (USN-6092-1)
<a href="#">199512</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6084-1)
<a href="#">199521</a> Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-6235-1)
<a href="#">199569</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6095-1)
<a href="#">199589</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6081-1)
<a href="#">199614</a> Ubuntu Security Notification for Linux kernel (IoT) Vulnerabilities (USN-6256-1)
<a href="#">355199</a> Amazon Linux Security Advisory for kernel : ALAS2023-2023-070
<a href="#">378710</a> Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2023:0079)
<a href="#">378889</a> Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX2-SA-2023:0036)
<a href="#">379043</a> Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2023:0136)
<a href="#">673232</a> EulerOS Security Update for kernel (EulerOS-SA-2023-2357)
<a href="#">673272</a> EulerOS Security Update for kernel (EulerOS-SA-2023-2584)
<a href="#">673393</a> EulerOS Security Update for kernel (EulerOS-SA-2023-2647)
<a href="#">674113</a> EulerOS Security Update for kernel (EulerOS-SA-2023-2689)
<a href="#">754275</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3309-1)
<a href="#">754284</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3340-1)

[754281](#) SUSE Enterprise Linux Security Update for the Linux kernel (SUSE-SU-2023:3349-1)

[906958](#) Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (26951-1)

[907031](#) Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (26953-1)

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