



# Linux Kernel Use-After-Free Vulnerability

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

## Summary

<b>CVE</b>	CVE-2024-1086
<b>State</b>	PUBLISHED
<b>Assigner</b>	Unknown
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2024-01-31 13:15:00 UTC
<b>Updated</b>	2024-03-26 18:15:00 UTC
<b>Description</b>	Linux kernel contains a use-after-free vulnerability in the netfilter: nf_tables component that allows an attacker to achieve lo

## Risk And Classification

**EPSS:** 0.860560000 probability, percentile 0.993890000 (date 2026-04-01)

**CISA KEV:** Listed on 2024-05-30; due 2024-06-20; ransomware use Known

**Problem Types:** CWE-416

## CISA Known Exploited Vulnerability

<b>Vendor</b>	Linux
<b>Product</b>	Kernel
<b>Name</b>	Linux Kernel Use-After-Free Vulnerability
<b>Required Action</b>	Apply mitigations per vendor instructions or discontinue use of the product if mitigations are unavailable.
<b>Notes</b>	This vulnerability affects a common open-source component, third-party library, or a protocol used by different products. Please check with specific vendors for information on patching status. For more information, please see: <a href="https://git.kernel.org/pub/scm/linux/kernel/git/torvalds/linux.git/commit?id=f342de4e2f33e0e39165d8639387aa6c19dff660">https://git.kernel.org/pub/scm/linux/kernel/git/torvalds/linux.git/commit?id=f342de4e2f33e0e39165d8639387aa6c19dff660</a> ; <a href="https://nvd.nist.gov/vuln/detail/CVE-2024-1086">https://nvd.nist.gov/vuln/detail/CVE-2024-1086</a>

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
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>	6.8	rc1	All	All

## References

Reference	Source	Link
kernel.dance/f342de4e2f33e0e39165d8639387aa6c19dff660		<a href="#">kernel.danc</a>



<a href="#">200210</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6704-1)
<a href="#">200211</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6707-1)
<a href="#">200213</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6702-2)
<a href="#">200214</a> Ubuntu Security Notification for Linux kernel (AWS) Vulnerabilities (USN-6705-1)
<a href="#">200216</a> Ubuntu Security Notification for Linux kernel (ARM laptop) Vulnerabilities (USN-6707-2)
<a href="#">200217</a> Ubuntu Security Notification for Linux kernel (AWS) Vulnerabilities (USN-6700-2)
<a href="#">200218</a> Ubuntu Security Notification for Linux kernel (Raspberry Pi) Vulnerabilities (USN-6704-2)
<a href="#">200221</a> Ubuntu Security Notification for Linux kernel (Azure) Vulnerabilities (USN-6716-1)
<a href="#">200222</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6701-3)
<a href="#">200223</a> Ubuntu Security Notification for Linux kernel (Oracle) Vulnerabilities (USN-6704-3)
<a href="#">200226</a> Ubuntu Security Notification for Linux kernel (AWS) Vulnerabilities (USN-6707-3)
<a href="#">200236</a> Ubuntu Security Notification for Linux kernel (Azure) Vulnerabilities (USN-6707-4)
<a href="#">200237</a> Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-6704-4)
<a href="#">200244</a> Ubuntu Security Notification for Linux kernel (Azure) Vulnerabilities (USN-6701-4)
<a href="#">242941</a> Red Hat Update for kernel (RHSA-2024:0930)
<a href="#">242985</a> Red Hat Update for kernel (RHSA-2024:1018)
<a href="#">242986</a> Red Hat Update for kernel-rt (RHSA-2024:1019)
<a href="#">243051</a> Red Hat Update for kernel (RHSA-2024:1249)
<a href="#">243071</a> Red Hat Update for kernel-rt (RHSA-2024:1332)
<a href="#">243087</a> Red Hat Update for kernel (RHSA-2024:1404)
<a href="#">243160</a> Red Hat Update for kernel security (RHSA-2024:1607)
<a href="#">243167</a> Red Hat Update for kernel-rt (RHSA-2024:1614)
<a href="#">257311</a> CentOS Security Update for kernel (CESA-2024:1249)
<a href="#">285004</a> Fedora Security Update for kernel (FEDORA-2024-2116a8468b)
<a href="#">357213</a> Amazon Linux Security Advisory for kernel : ALAS-2024-1919
<a href="#">357215</a> Amazon Linux Security Advisory for kernel : ALAS2-2024-2453
<a href="#">357258</a> Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.15-2024-038
<a href="#">357259</a> Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.4-2024-060
<a href="#">357261</a> Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.10-2024-050

379614	Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2024:0017)
390296	Oracle VM Server for x86 Security Update for kernel (OVMSA-2024-0004)
6140420	AWS Bottlerocket Security Update for kernel (GHSA-rg7w-fxjf-pcxp)
6140432	AWS Bottlerocket Security Update for kernel (GHSA-qcq9-mjfp-mmjw)
674156	EulerOS Security Update for kernel (EulerOS-SA-2024-1509)
674158	EulerOS Security Update for kernel (EulerOS-SA-2024-1488)
755747	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2024:0469-1)
755750	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2024:0476-1)
755751	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2024:0474-1)
755752	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2024:0478-1)
755753	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2024:0484-1)
755754	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2024:0516-1)
755755	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2024:0515-1)
755756	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2024:0514-1)
755765	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2024:0483-1)
941650	AlmaLinux Security Update for kernel (ALSA-2024:1607)
961147	Rocky Linux Security Update for kernel (RLSA-2024:1607)
961150	Rocky Linux Security Update for kernel-rt (RLSA-2024:1614)

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