



# CVE-2023-30456

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

## Summary

<b>CVE</b>	CVE-2023-30456
<b>State</b>	PUBLIC
<b>Assigner</b>	cve@mitre.org
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2023-04-10 02:15:00 UTC
<b>Updated</b>	2023-07-26 17:15:00 UTC
<b>Description</b>	An issue was discovered in arch/x86/kvm/vmx/nested.c in the Linux kernel before 6.2.8. nVMX on x86_64 lacks consistency

## Risk And Classification

**Problem Types:** NVD-CWE-noinfo

## 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>	6.3	rc1	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	6.3	rc2	All	All

## References

Reference	Source	Link
[SECURITY] [DLA 3404-1] linux-5.10 security update	MLIST	<a href="https://lists.debian.org">lists.debian.org</a>
CVE-2023-30456 Linux Kernel Vulnerability in NetApp Products   NetApp Product Security	CONFIRM	<a href="https://security.netapp.com">security.netapp.com</a>
Kernel Live Patch Security Notice LSN-0096-1 ≈ Packet Storm	MISC	<a href="https://packetstormsecurity.com">packetstormsecurity.com</a>
KVM: nVMX: add missing consistency checks for CR0 and CR4 · torvalds/linux@112e660 · GitHub	MISC	<a href="https://github.com">github.com</a>
[SECURITY] [DLA 3403-1] linux security update	MLIST	<a href="https://lists.debian.org">lists.debian.org</a>
cdn.kernel.org/pub/linux/kernel/v6.x/ChangeLog-6.2.8	MISC	<a href="https://cdn.kernel.org">cdn.kernel.org</a>
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>

No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

[160581](#) Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2023-12339)

[160726](#) Oracle Enterprise Linux Security Update for unbreakable enterprise kernel-container (ELSA-2023-12413)

[160728](#) Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2023-12394)

[160729](#) Oracle Enterprise Linux Security Update for unbreakable enterprise kernel-container (ELSA-2023-12412)

[161066](#) Oracle Enterprise Linux Security Update for kernel (ELSA-2023-6583)

[161147](#) Oracle Enterprise Linux Security Update for kernel (ELSA-2023-7077)

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

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

[183761](#) Debian Security Update for linux (CVE-2023-30456)

[199298](#) Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-6033-1)

[199375](#) Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-6123-1)

[199380](#) Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-6124-1)

[199382](#) Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6127-1)

[199384](#) Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6132-1)

[199386](#) Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6131-1)

[199390](#) Ubuntu Security Notification for Linux kernel (Azure CVM) Vulnerabilities (USN-6135-1)

[199406](#) Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6150-1)

[199413](#) Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-6162-1)

[199422](#) Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6175-1)

[199437](#) Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6186-1)

[199465](#) Ubuntu Security Notification for Linux kernel (Xilinx ZynqMP) Vulnerabilities (USN-6222-1)

[199471](#) Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6130-1)

[199539](#) Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6149-1)

[199614](#) Ubuntu Security Notification for Linux kernel (IoT) Vulnerabilities (USN-6256-1)

[200201](#) Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6699-1)

[242399](#) Red Hat Update for kernel security (RHSA-2023:6583)

[242434](#) Red Hat Update for kernel-rt security (RHSA-2023:6901)

[242451](#) Red Hat Update for kernel security (RHSA-2023:7077)

<a href="#">242941</a> Red Hat Update for kernel (RHSA-2024:0930)
<a href="#">243087</a> Red Hat Update for kernel (RHSA-2024:1404)
<a href="#">378537</a> Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2023:0048)
<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="#">673208</a> EulerOS Security Update for kernel (EulerOS-SA-2023-2315)
<a href="#">673232</a> EulerOS Security Update for kernel (EulerOS-SA-2023-2357)
<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="#">755851</a> SUSE Enterprise Linux Security Update for the linux kernel (SUSE-SU-2023:2646-1)
<a href="#">906823</a> Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (26041-1)
<a href="#">906870</a> Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (26046-1)
<a href="#">941453</a> AlmaLinux Security Update for kernel (ALSA-2023:7077)

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