



# CVE-2023-5717

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

## Summary

<b>CVE</b>	CVE-2023-5717
<b>State</b>	PUBLIC
<b>Assigner</b>	security@google.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2023-10-25 18:17:00 UTC
<b>Updated</b>	2023-11-04 03:24:00 UTC
<b>Description</b>	A heap out-of-bounds write vulnerability in the Linux kernel's Linux Kernel Performance Events (perf) component can be ex

## Risk And Classification

### Problem Types: CWE-787

## 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>	6.6	rc1	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	6.6	rc2	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	6.6	rc3	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	6.6	rc4	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	6.6	rc5	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	6.6	rc6	All	All

## References

Reference	Source	Link	Tags
<a href="#">kernel.dance/32671e3799ca2e4590773fd0e63aaa4229e50c06</a>	MISC	<a href="#">kernel.dance</a>	
<a href="#">kernel/git/torvalds/linux.git - Linux kernel source tree</a>	MISC	<a href="#">git.kernel.org</a>	
CVE Program record	CVE.ORG	<a href="#">www.cve.org</a>	canonical
NVD vulnerability detail	NVD	<a href="#">nvd.nist.gov</a>	canonical, analysis

No vendor comments have been submitted for this CVE.

## Legacy OID Mappings

<a href="#">161372</a> Oracle Enterprise Linux Security Update for kernel (ELSA-2024-12169)
<a href="#">161402</a> Oracle Enterprise Linux Security Update for kernel (ELSA-2024-0897)
<a href="#">161417</a> Oracle Enterprise Linux Security Update for kernel (ELSA-2024-1248)
<a href="#">199929</a> Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-6497-1)
<a href="#">199936</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6494-1)
<a href="#">199970</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6494-2)
<a href="#">199976</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6534-1)
<a href="#">199979</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6532-1)
<a href="#">199980</a> Ubuntu Security Notification for Linux kernel Vulnerability (USN-6536-1)
<a href="#">199982</a> Ubuntu Security Notification for Linux kernel (GCP) Vulnerability (USN-6537-1)
<a href="#">199996</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6549-1)
<a href="#">199997</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6548-1)
<a href="#">199999</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6548-2)
<a href="#">200002</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6534-2)
<a href="#">200003</a> Ubuntu Security Notification for Linux kernel (GKE) Vulnerabilities (USN-6549-2)
<a href="#">200006</a> Ubuntu Security Notification for Linux kernel (Oracle) Vulnerabilities (USN-6548-3)
<a href="#">200007</a> Ubuntu Security Notification for Linux kernel (Low Latency) Vulnerabilities (USN-6549-3)
<a href="#">200010</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6534-3)
<a href="#">200024</a> Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-6549-4)
<a href="#">200035</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6549-5)
<a href="#">200037</a> Ubuntu Security Notification for Linux kernel (IoT) Vulnerabilities (USN-6548-5)
<a href="#">200113</a> Ubuntu Security Notification for Linux kernel (GCP) Vulnerabilities (USN-6635-1)
<a href="#">242789</a> Red Hat Update for kernel (RHSA-2024:0575)
<a href="#">242845</a> Red Hat Update for kernel (RHSA-2024:0448)
<a href="#">242846</a> Red Hat Update for kernel-rt (RHSA-2024:0439)
<a href="#">242890</a> Red Hat Update for kernel (RHSA-2024:0724)
<a href="#">242939</a> Red Hat Update for kernel (RHSA-2024:0897)
<a href="#">242983</a> Red Hat Update for kernel-rt (RHSA-2024:0881)

243050 Red Hat Update for kernel (RHSA-2024:1250)
243052 Red Hat Update for kernel (RHSA-2024:1248)
243062 Red Hat Update for kernel-rt (RHSA-2024:1306)
356736 Amazon Linux Security Advisory for kernel : ALAS2-2023-2340
356744 Amazon Linux Security Advisory for kernel : ALAS-2023-1883
356874 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.4-2023-056
356887 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.10-2023-043
356889 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.15-2023-030
356908 Amazon Linux Security Advisory for kernel : ALAS2023-2023-430
356919 Amazon Linux Security Advisory for kernel-livepatch : ALAS2023LIVEPATCH-2023-026
356921 Amazon Linux Security Advisory for kernel-livepatch : ALAS2023LIVEPATCH-2023-022
356922 Amazon Linux Security Advisory for kernel-livepatch : ALAS2023LIVEPATCH-2023-023
356923 Amazon Linux Security Advisory for kernel-livepatch : ALAS2023LIVEPATCH-2023-024
356924 Amazon Linux Security Advisory for kernel-livepatch : ALAS2023LIVEPATCH-2023-025
356925 Amazon Linux Security Advisory for kernel-livepatch : ALAS2023LIVEPATCH-2023-021
379435 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX2-SA-2024:0012)
379614 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2024:0017)
6000419 Debian Security Update for linux (DSA 5594-1)
6000428 Debian Security Update for linux-5.10 (DLA 3711-1)
6000429 Debian Security Update for linux (DLA 3710-1)
6140011 AWS Bottlerocket Security Update for kernel (GHSA-4wjq-xvff-wqvw)
6140205 AWS Bottlerocket Security Update for kernel (GHSA-4wjq-xvff-wqvw)
673534 EulerOS Security Update for kernel (EulerOS-SA-2024-1086)
673595 EulerOS Security Update for kernel (EulerOS-SA-2023-3247)
673644 EulerOS Security Update for kernel (EulerOS-SA-2023-3336)
673692 EulerOS Security Update for kernel (EulerOS-SA-2023-3275)
673923 EulerOS Security Update for kernel (EulerOS-SA-2024-1062)
673995 EulerOS Security Update for kernel (EulerOS-SA-2024-1275)
674010 EulerOS Security Update for kernel (EulerOS-SA-2023-3334)

<a href="#">674042</a> EulerOS Security Update for kernel (EulerOS-SA-2023-3304)
<a href="#">755395</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4784-1)
<a href="#">755479</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4882-1)
<a href="#">755480</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4883-1)
<a href="#">907621</a> Common Base Linux Mariner (CBL-Mariner) Security Update for hyperv-daemons (31814-1)
<a href="#">907646</a> Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (31774-1)
<a href="#">941584</a> AlmaLinux Security Update for kernel (ALSA-2024:0897)

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