



# CVE-2022-0171

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## Summary

<b>CVE</b>	CVE-2022-0171
<b>State</b>	PUBLIC
<b>Assigner</b>	secalert@redhat.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2022-08-26 18:15:00 UTC
<b>Updated</b>	2023-07-21 16:54:00 UTC
<b>Description</b>	A flaw was found in the Linux kernel. The existing KVM SEV API has a vulnerability that allows a non-root (host) user-level

## Risk And Classification

**Problem Types:** CWE-212

## 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="#">Linux</a>	<a href="#">Linux Kernel</a>	All	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	5.18	-	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	5.18	rc1	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	5.18	rc2	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	5.18	rc3	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	Link
Debian -- Security Information -- DSA-5257-1 linux	DEBIAN	<a href="#">www</a>
[SECURITY] [DLA 3173-1] linux-5.10 security update	MLIST	<a href="#">lists</a>
Red Hat Customer Portal - Access to 24x7 support and knowledge	MISC	<a href="#">acc</a>
2038940 – (CVE-2022-0171) CVE-2022-0171 kernel: KVM: cache incoherence issue in SEV API may lead to kernel crash	MISC	<a href="#">bug</a>
kernel/git/torvalds/linux.git - Linux kernel source tree	MISC	<a href="#">git.k</a>

No vendor comments have been submitted for this CVE.

### Legacy QID Mappings

<a href="#">181145</a> Debian Security Update for linux (DSA 5257-1)
<a href="#">181190</a> Debian Security Update for linux-5.10 (DLA 3173-1)
<a href="#">183344</a> Debian Security Update for linux (CVE-2022-0171)
<a href="#">199087</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5792-1)
<a href="#">199094</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5792-2)
<a href="#">199179</a> Ubuntu Security Notification for Linux kernel (GKE) Vulnerabilities (USN-5877-1)
<a href="#">354100</a> Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.15-2022-009
<a href="#">354101</a> Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.10-2022-021
<a href="#">354439</a> Amazon Linux Security Advisory for kernel : ALAS2022-2022-150
<a href="#">354468</a> Amazon Linux Security Advisory for kernel : ALAS2022-2022-185
<a href="#">354542</a> Amazon Linux Security Advisory for kernel : ALAS-2022-185
<a href="#">355199</a> Amazon Linux Security Advisory for kernel : ALAS2023-2023-070
<a href="#">377891</a> Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2023:0002)
<a href="#">378468</a> Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-20230042)
<a href="#">378512</a> Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2023:0042)
<a href="#">6140177</a> AWS Bottlerocket Security Update for kernel (GHSA-5qr2-h2m2-hp3p)
<a href="#">672003</a> EulerOS Security Update for kernel (EulerOS-SA-2022-2134)
<a href="#">903743</a> Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10776)
<a href="#">903795</a> Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10759)
<a href="#">904265</a> Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10759-1)
<a href="#">904371</a> Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10776-1)
<a href="#">905875</a> Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10776-2)
<a href="#">906326</a> Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10759-2)

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