CVE-2022-2196

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Summary

CVE	CVE-2022-2196
State	PUBLIC
Assigner	security@google.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-01-09 11:15:00 UTC
Updated	2023-08-18 18:56:00 UTC
Description	A regression exists in the Linux Kernel within KVM: nVMX that allowed for speculative execution attacks. L2 can carry out S

Risk And Classification

Problem Types: CWE-1188

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Debian	Debian Linux	10.0	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All

References

Reference	Source	Link	Tags
kernel/git/torvalds/linux.git - Linux kernel source tree	MISC	git.kernel.org	
[SECURITY] [DLA 3404-1] linux-5.10 security update	MISC	lists.debian.org	
????????	MISC	kernel.dance	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analysis

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

160528 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2023-12226)

160551 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel-container (ELSA-2023-12256)

160554 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2023-12255)

160583 Oracle Enterprise Linux Security Update for kernel (ELSA-2023-2458)

160692 Oracle Enterprise Linux Security Update for kernel (ELSA-2023-2951)

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

183128 Debian Security Update for linux (CVE-2022-2196)

199251 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5970-1)

199254 Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-5978-1)

199255 Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-5976-1)

199256 Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-5977-1)

199258 Ubuntu Security Notification for Linux kernel (HWE) Vulnerabilities (USN-5979-1)

199259 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5980-1)

199260 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5982-1)

199264 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5985-1)

199265 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5987-1)

199280 Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-6004-1)

199289 Ubuntu Security Notification for Linux kernel (BlueField) Vulnerabilities (USN-6020-1)

199405 Ubuntu Security Notification for Linux kernel (Xilinx ZynqMP) Vulnerabilities (USN-6151-1)

241417 Red Hat Update for kernel security (RHSA-2023:2458)

241468 Red Hat Update for kernel-rt (RHSA-2023:2148)

241504 Red Hat Update for kernel security (RHSA-2023:2951)

241527 Red Hat Update for kernel-rt (RHSA-2023:2736)

242941 Red Hat Update for kernel (RHSA-2024:0930)

283611 Fedora Security Update for kernel (FEDORA-2023-f4f9182dc8)

283612 Fedora Security Update for kernel (FEDORA-2023-3fd7349f60)

354820 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.4-2023-043

354822 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.15-2023-015

354837 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.10-2023-028

355255 Amazon Linux Security Advisory for kernel : ALAS-2023-127

355287 Amazon Linux Security Advisory for kernel : ALAS-2023-127

355294 Amazon Linux Security Advisory for kernel : ALAS-2023-127

355295 Amazon Linux Security Advisory for kernel : ALAS-2023-127

355300 Amazon Linux Security Advisory for kernel : ALAS-2023-127

355303 Amazon Linux Security Advisory for kernel : ALAS-2023-127

355309 Amazon Linux Security Advisory for kernel : ALAS-2023-127

355312 Amazon Linux Security Advisory for kernel : ALAS2023-2023-127

378468 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-20230042)

378512 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2023:0042)

6140320 AWS Bottlerocket Security Update for kernel (GHSA-m593-23x6-9vp9)

672914 EulerOS Security Update for kernel (EulerOS-SA-2023-1781)

672951 EulerOS Security Update for kernel (EulerOS-SA-2023-1759)

753981 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:2146-1)

753982 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:2148-1)

755851 SUSE Enterprise Linux Security Update for the linux kernel (SUSE-SU-2023:2646-1)

905181 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (12947)

905221 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (12951)

906557 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (12947-1)

906600 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (12947-3)

906653 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (12951-3)

906774 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (12947-5)

941023 AlmaLinux Security Update for kernel (ALSA-2023:2458)

941061 AlmaLinux Security Update for kernel-rt (ALSA-2023:2148)

941096 AlmaLinux Security Update for kernel (ALSA-2023:2951)

941114 AlmaLinux Security Update for kernel-rt (ALSA-2023:2736)

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