



CVE-2019-3016

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064_img.jpg\)](#)

Summary

CVE	CVE-2019-3016
State	PUBLIC
Assigner	secalert_us@oracle.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2020-01-31 20:15:00 UTC
Updated	2023-11-07 03:09:00 UTC
Description	In a Linux KVM guest that has PV TLB enabled, a process in the guest kernel may be able to read memory locations from a

Risk And Classification

Problem Types: CWE-362

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	4.10	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	4.10	All	All	All

References

Reference	Source	Link	Ta
kernel/git/torvalds/linux.git - Linux kernel source tree	CONFIRM	git.kernel.org	Pa
kernel/git/torvalds/linux.git - Linux kernel source tree	CONFIRM	git.kernel.org	Pa
[FYI PATCH 0/5] Missing TLB flushes - Paolo Bonzini	CONFIRM	lore.kernel.org	Ve
kernel/git/torvalds/linux.git - Linux kernel source tree	CONFIRM	git.kernel.org	Pa
USN-4300-1: Linux kernel vulnerabilities Ubuntu security notices Ubuntu	UBUNTU	usn.ubuntu.com	
Debian -- Security Information -- DSA-4699-1 linux	DEBIAN	www.debian.org	
oss-security - CVE-2019-3016: information leak within a KVM guest	MLIST	www.openwall.com	Me
USN-4301-1: Linux kernel vulnerabilities Ubuntu security notices Ubuntu	UBUNTU	usn.ubuntu.com	
kernel/git/torvalds/linux.git - Linux kernel source tree	CONFIRM	git.kernel.org	Pa
kernel/git/torvalds/linux.git - Linux kernel source tree	CONFIRM	git.kernel.org	Pa

[FYI PATCH 0/5] Missing TLB flushes - Paolo Bonzini			lore.kernel.org	
1792167 – (CVE-2019-3016) CVE-2019-3016 kernel: kvm: Information leak within a KVM guest	CONFIRM		bugzilla.redhat.com	Iss
Kernel Live Patch Security Notice LSN-0065-1 ≈ Packet Storm	MISC		packetstormsecurity.com	
February 2020 Linux Kernel Vulnerabilities in NetApp Products NetApp Product Security	CONFIRM		security.netapp.com	
CVE Program record	CVE.ORG		www.cve.org	ca
NVD vulnerability detail	NVD		nvd.nist.gov	ca

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[377065](#) Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX2-SA-2020:0113)

[900101](#) CBL-Mariner Linux Security Update for kernel 5.10.52.1

[900303](#) CBL-Mariner Linux Security Update for kernel 5.10.57.1

[900321](#) CBL-Mariner Linux Security Update for kernel 5.10.60.1

[901473](#) Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (6519-1)

[903417](#) Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (3493)

[905785](#) Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (3493-1)

[906374](#) Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (6519-2)

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