



CVE-2019-7221

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Summary

CVE	CVE-2019-7221
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2019-03-21 16:01:00 UTC
Updated	2023-11-07 03:13:00 UTC
Description	The KVM implementation in the Linux kernel through 4.20.5 has a Use-after-Free.

Risk And Classification

Problem Types: CWE-416

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.10	All	All	All
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.10	All	All	All
Operating System	Debian	Debian Linux	8.0	All	All	All
Operating System	Debian	Debian Linux	8.0	All	All	All
Operating System	Fedoraproject	Fedora	28	All	All	All
Operating System	Fedoraproject	Fedora	29	All	All	All
Operating System	Fedoraproject	Fedora	28	All	All	All
Operating System	Fedoraproject	Fedora	29	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Application	Netapp	Active Iq Performance Analytics Services	-	All	All	All
Application	Netapp	Active Iq Performance Analytics Services	-	All	All	All

Application	Netapp	Element Software Management Node	-	All	All	All
Application	Netapp	Element Software Management Node	-	All	All	All
Operating System	Opensuse	Leap	15.0	All	All	All
Operating System	Opensuse	Leap	15.0	All	All	All
Operating System	Redhat	Enterprise Linux	7.0	All	All	All
Operating System	Redhat	Enterprise Linux	7.0	All	All	All
Operating System	Redhat	Enterprise Linux Desktop	7.0	All	All	All
Operating System	Redhat	Enterprise Linux Desktop	7.0	All	All	All
Operating System	Redhat	Enterprise Linux Server	7.0	All	All	All
Operating System	Redhat	Enterprise Linux Server	7.0	All	All	All
Operating System	Redhat	Enterprise Linux Server Aus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Aus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Tus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Tus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Workstation	7.0	All	All	All
Operating System	Redhat	Enterprise Linux Workstation	7.0	All	All	All
Application	Redhat	Openshift Container Platform	3.11	All	All	All
Application	Redhat	Openshift Container Platform	3.11	All	All	All

References

Reference	Source	Link
[SECURITY] Fedora 28 Update: kernel-4.20.8-100.fc28 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.org
Red Hat Customer Portal	REDHAT	access.redhat.com
[security-announce] openSUSE-SU-2019:0203-1: important: Security update	SUSE	lists.opensuse.org
Red Hat Customer Portal	REDHAT	access.redhat.com
USN-3932-2: Linux kernel (Xenial HWE) vulnerabilities Ubuntu security notices	UBUNTU	usn.ubuntu.com
[SECURITY] [DLA 1731-2] linux regression update	MLIST	lists.debian.org
[SECURITY] Fedora 28 Update: kernel-4.20.8-100.fc28 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.org
USN-3930-1: Linux kernel vulnerabilities Ubuntu security notices	UBUNTU	usn.ubuntu.com
USN-3930-2: Linux kernel (HWE) vulnerabilities Ubuntu security notices	UBUNTU	usn.ubuntu.com
[SECURITY] [DLA 1771-1] linux-4.9 security update	MLIST	lists.debian.org
USN-3932-1: Linux kernel vulnerabilities Ubuntu security notices	UBUNTU	usn.ubuntu.com
support.f5.com/csp/article/K08413011	CONFIRM	support.f5.com
History for arch/x86/kvm - torvalds/linux · GitHub	MISC	github.com

USN-3931-1: Linux kernel vulnerabilities Ubuntu security notices	UBUNTU	usn.ubuntu.com
[SECURITY] [DLA 1731-1] linux security update	MLIST	lists.debian.org
March 27th 2019 Linux Kernel Vulnerabilities in NetApp Products NetApp Product Security	CONFIRM	security.netapp.com
USN-3931-2: Linux kernel (HWE) vulnerabilities Ubuntu security notices	UBUNTU	usn.ubuntu.com
KVM VMX Preemption Timer Use-After-Free ≈ Packet Storm	MISC	packetstormsecurity.com
Red Hat Customer Portal	REDHAT	access.redhat.com
kernel/git/torvalds/linux.git - Linux kernel source tree	CONFIRM	git.kernel.org
Red Hat Customer Portal	REDHAT	access.redhat.com
[SECURITY] Fedora 29 Update: kernel-4.20.8-200.fc29 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.org
Red Hat Customer Portal	REDHAT	access.redhat.com
oss-security - Linux kernel: three KVM bugs (CVE-2019-6974, CVE-2019-7221, CVE-2019-7222)	MISC	www.openwall.com
[SECURITY] Fedora 29 Update: kernel-4.20.8-200.fc29 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.org
1760 - project-zero - Project Zero - Monorail	CONFIRM	bugs.chromium.org
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[670269](#) EulerOS Security Update for kernel (EulerOS-SA-2021-1808)

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