



CVE-2018-18397

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Summary

CVE	CVE-2018-18397
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2018-12-12 10:29:00 UTC
Updated	2020-08-24 17:37:00 UTC
Description	The userfaultfd implementation in the Linux kernel before 4.19.7 mishandles access control for certain UFFDIO_ ioctl calls,

Risk And Classification

Problem Types: CWE-863

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	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	All	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	7.4	All	All	All
Operating System	Redhat	Enterprise Linux Server Aus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Aus	7.4	All	All	All

Operating System	Redhat	Enterprise Linux Server Aus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.4	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.5	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.4	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.5	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Tus	7.4	All	All	All
Operating System	Redhat	Enterprise Linux Server Tus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Tus	7.4	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
Application	Redhat	Virtualization Host	4.0	All	All	All
Application	Redhat	Virtualization Host	4.0	All	All	All

References

Reference	Source	Link
1700 - project-zero - Project Zero - Monorail	MISC	bugs.chromium.org
USN-3903-2: Linux kernel (HWE) vulnerabilities Ubuntu security notices	UBUNTU	usn.ubuntu.com
USN-3901-1: Linux kernel vulnerabilities Ubuntu security notices	UBUNTU	usn.ubuntu.com
USN-3901-2: Linux kernel (HWE) vulnerabilities Ubuntu security notices	UBUNTU	usn.ubuntu.com
USN-3903-1: Linux kernel vulnerabilities Ubuntu security notices	UBUNTU	usn.ubuntu.com
Red Hat Customer Portal	REDHAT	access.redhat.com
cdn.kernel.org/pub/linux/kernel/v4.x/ChangeLog-4.19.7	MISC	cdn.kernel.org
Red Hat Customer Portal	REDHAT	access.redhat.com
Red Hat Customer Portal	REDHAT	access.redhat.com
Red Hat Customer Portal	REDHAT	access.redhat.com
kernel/git/torvalds/linux.git - Linux kernel source tree	MISC	git.kernel.org
userfaultfd: shmem/hugetlbfs: only allow to register VM_MAYWRITE vmas · torvalds/linux@29ec906 · GitHub	MISC	github.com
cdn.kernel.org/pub/linux/kernel/v4.x/ChangeLog-4.14.87	MISC	cdn.kernel.org
Red Hat Customer Portal	REDHAT	access.redhat.com
CVE Program record	CVE.ORG	www.cve.org

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

376899 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX2-SA-2019:0049)

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