



CVE-2020-10757

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

Summary

CVE	CVE-2020-10757
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2020-06-09 13:15:00 UTC
Updated	2024-01-19 17:51:00 UTC
Description	A flaw was found in the Linux Kernel in versions after 4.5-rc1 in the way mremap handled DAX Huge Pages. This flaw allow

Risk And Classification

Problem Types: CWE-119 | CWE-843

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
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	20.04	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	31	All	All	All
Operating System	Fedoraproject	Fedora	31	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	4.5	rc2	All	All
Operating System	Linux	Linux Kernel	4.5	rc3	All	All
Operating System	Linux	Linux Kernel	4.5	rc4	All	All
Operating System	Linux	Linux Kernel	4.5	rc5	All	All
Operating System	Linux	Linux Kernel	4.5	rc6	All	All
Operating System	Linux	Linux Kernel	4.5	rc7	All	All
Operating System	Linux	Linux Kernel	4.5	rc2	All	All
Operating System	Linux	Linux Kernel	4.5	rc3	All	All
Operating System	Linux	Linux Kernel	4.5	rc4	All	All

Operating System	Linux	Linux Kernel	4.5	rc5	All	All
Operating System	Linux	Linux Kernel	4.5	rc6	All	All
Operating System	Linux	Linux Kernel	4.5	rc7	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Application	Netapp	Active Iq Unified Manager	-	All	All	All
Application	Netapp	Cloud Backup	-	All	All	All
Application	Netapp	Steelstore Cloud Integrated Storage	-	All	All	All
Operating System	Opensuse	Leap	15.1	All	All	All
Operating System	Opensuse	Leap	15.1	All	All	All
Operating System	Redhat	Enterprise Linux	7.0	All	All	All
Operating System	Redhat	Enterprise Linux	8.0	All	All	All
Operating System	Redhat	Enterprise Linux	7.0	All	All	All
Operating System	Redhat	Enterprise Linux	8.0	All	All	All
Application	Redhat	Enterprise Mrg	2.0	All	All	All
Operating System	Redhat	Enterprise Mrg	2.0	All	All	All
Application	Redhat	Enterprise Mrg	2.0	All	All	All

References

Reference	Source	Link
USN-4426-1: Linux kernel vulnerabilities Ubuntu security notices Ubuntu	UBUNTU	usn.u
Red Hat Customer Portal	MISC	acce
Red Hat Customer Portal	MISC	acce
Red Hat Customer Portal - Access to 24x7 support and knowledge	MISC	acce
USN-4483-1: Linux kernel vulnerabilities Ubuntu security notices Ubuntu	UBUNTU	usn.u
Red Hat Customer Portal	MISC	acce
CVE-2020-10757 Linux Kernel Vulnerability in NetApp Products NetApp Product Security	CONFIRM	secur
USN-4440-1: linux kernel vulnerabilities Ubuntu security notices Ubuntu	UBUNTU	usn.u
Debian -- Security Information -- DSA-4699-1 linux	DEBIAN	www.
[SECURITY] Fedora 31 Update: kernel-5.6.16-200.fc31 - package-announce - Fedora Mailing-Lists	MISC	lists.f
Red Hat Customer Portal	MISC	acce
oss-security - CVE-2020-10757 Linux kernel: mremap hugepage mmaped DAX nvdimm may cause corrupted page table	MISC	www.
kernel/git/torvalds/linux.git - Linux kernel source tree	MISC	git.ke
Red Hat Customer Portal	MISC	acce
1842525 – (CVE-2020-10757) CVE-2020-10757 kernel: kernel: DAX hugepages not considered during mremap	REDHAT	bugzi
USN-4439-1: Linux kernel vulnerabilities Ubuntu security notices Ubuntu	UBUNTU	usn.u
[SECURITY] Fedora 31 Update: kernel-5.6.16-200.fc31 - package-announce - Fedora Mailing-Lists	FEDORA	lists.f

[SECURITY] Fedora 31 Update: kernel-5.6.16-200.fc31 - package-announce - Fedora Mailing-Lists	FEDORA	lists.f
Red Hat Customer Portal - Access to 24x7 support and knowledge	MISC	acce
[SECURITY] [DLA 2242-1] linux-4.9 security update	MLIST	lists.c
Red Hat Customer Portal - Access to 24x7 support and knowledge	MISC	acce
Debian -- Security Information -- DSA-4698-1 linux	DEBIAN	www.
Red Hat Customer Portal - Access to 24x7 support and knowledge	MISC	acce
[security-announce] openSUSE-SU-2020:0801-1: important: Security update	SUSE	lists.c
CVE Program record	CVE.ORG	www.
NVD vulnerability detail	NVD	nvd.n

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

- [352300](#) Amazon Linux Security Advisory for kernel: ALAC2012-2020-020
- [353139](#) Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.4-2022-012
- [377038](#) Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX2-SA-2020:0198)
- [750376](#) OpenSUSE Security Update for RT kernel (openSUSE-SU-2021:0242-1)
- [900078](#) CBL-Mariner Linux Security Update for kernel 5.4.91
- [903196](#) Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (3514)
- [906231](#) Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (3514-1)

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