



CVE-2019-5489

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

Summary

CVE	CVE-2019-5489
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2019-01-07 17:29:00 UTC
Updated	2020-08-24 17:37:00 UTC
Description	The mincore() implementation in mm/mincore.c in the Linux kernel through 4.19.13 allowed local attackers to observe page

Risk And Classification

Problem Types: CWE-319

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
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

References

Reference	Source	Link
Red Hat Customer Portal	REDHAT	access.redhat.com
Red Hat Customer Portal	REDHAT	access.redhat.com
Red Hat Customer Portal	REDHAT	access.redhat.com
Red Hat Customer Portal	REDHAT	access.redhat.com
Bugtraq: [SECURITY] [DSA 4465-1] linux security update	BUGTRAQ	seclists.org
Change mincore() to count "mapped" pages rather than "cached" pages · torvalds/linux@574823b · GitHub	MISC	github.com
Red Hat Customer Portal	REDHAT	access.redhat.com
Red Hat Customer Portal	REDHAT	access.redhat.com
Oracle Critical Patch Update Advisory - July 2020	MISC	www.oracle.com

[security-announce] openSUSE-SU-2019:1570-1: important: Security update	SUSE	lists.opensuse.org
[security-announce] openSUSE-SU-2019:1479-1: important: Security update	SUSE	lists.opensuse.org
Red Hat Customer Portal	REDHAT	access.redhat.com
Bug 1120843 – VUL-0: CVE-2019-5489: kernel-source: new pagecache side-channel attack	MISC	bugzilla.suse.com
Debian -- Security Information -- DSA-4465-1 linux	DEBIAN	www.debian.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
Security Advisory - Page-Cache Side-Channel Vulnerability	CONFIRM	www.huawei.com
kernel/git/torvalds/linux.git - Linux kernel source tree	MISC	git.kernel.org
[SECURITY] [DLA 1823-1] linux security update	MLIST	lists.debian.org
Red Hat Customer Portal	REDHAT	access.redhat.com
New side-channel leak: Boffins bash operating system page caches until they spill secrets • The Register	MISC	www.theregister.com
Red Hat Customer Portal	REDHAT	access.redhat.com
CVE-2019-5489 Linux Kernel Vulnerability in NetApp Products NetApp Product Security	CONFIRM	security.netapp.com
Red Hat Customer Portal	REDHAT	access.redhat.com
[SECURITY] [DLA 1824-1] linux-4.9 security update	MLIST	lists.debian.org
Red Hat Customer Portal	REDHAT	access.redhat.com
Red Hat Customer Portal	REDHAT	access.redhat.com
Linux Kernel 'mm/mincore.c' Local Information Disclosure Vulnerability	BID	www.securityfocus.com
[security-announce] openSUSE-SU-2019:1579-1: important: Security update	SUSE	lists.opensuse.org
[1901.01161] Page Cache Attacks	MISC	arxiv.org
Red Hat Customer Portal	REDHAT	access.redhat.com
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

[160525](#) Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2023-12232)

[296075](#) Oracle Solaris 11.4 Support Repository Update (SRU) 21.69.0 Missing (CPUAPR2020)

[390276](#) Oracle VM Server for x86 Security Update for kernel (OVMSA-2023-0007)

[610324](#) Google Android March 2021 Security Patch Missing for Huawei EMUI

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