



CVE-2019-19767

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

Summary

CVE	CVE-2019-19767
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2019-12-12 20:15:00 UTC
Updated	2020-01-03 11:15:00 UTC
Description	The Linux kernel before 5.4.2 mishandles ext4_expand_extra_isize, as demonstrated by use-after-free errors in __ext4_exp

Risk And Classification

Problem Types: CWE-416

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	All	All	All	All

References

Reference	Source	Link
205609 – Multiple bugs in __ext4_expand_extra_isize (OOB write and UAF write)	MISC	bugzilla.kernel.org
USN-4284-1: Linux kernel vulnerabilities Ubuntu security notices Ubuntu	UBUNTU	usn.ubuntu.com
cdn.kernel.org/pub/linux/kernel/v5.x/ChangeLog-5.4.2	MISC	cdn.kernel.org
[SECURITY] [DLA 2114-1] linux-4.9 security update	MLIST	lists.debian.org
kernel/git/torvalds/linux.git - Linux kernel source tree	MISC	git.kernel.org
USN-4287-2: Linux kernel (Azure) vulnerabilities Ubuntu security notices Ubuntu	UBUNTU	usn.ubuntu.com
USN-4258-1: Linux kernel vulnerabilities Ubuntu security notices Ubuntu	UBUNTU	usn.ubuntu.com
December 2019 Linux Kernel Vulnerabilities in NetApp Products NetApp Product Security	CONFIRM	security.netapp.com
[security-announce] openSUSE-SU-2020:0336-1: important: Security update	SUSE	lists.opensuse.org
USN-4287-1: Linux kernel vulnerabilities Ubuntu security notices Ubuntu	UBUNTU	usn.ubuntu.com
[SECURITY] [DLA 2068-1] linux security update	MLIST	lists.debian.org
205707 – LINUX KERNEL 5.3.10 - ext4_xattr_set_entry use-after-free	MISC	bugzilla.kernel.org

ext4: add more paranoia checking in ext4_expand_extra_isize handling · torvalds/linux@4ea9993 · GitHub	MISC	github.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

[159684](#) Oracle Enterprise Linux Security Update for kernel (ELSA-2020-4431)

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

[940256](#) AlmaLinux Security Update for kernel (ALSA-2020:4431)

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