



# CVE-2019-19319

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

## Summary

<b>CVE</b>	CVE-2019-19319
<b>State</b>	PUBLIC
<b>Assigner</b>	cve@mitre.org
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2019-11-27 23:15:00 UTC
<b>Updated</b>	2021-02-09 19:15:00 UTC
<b>Description</b>	In the Linux kernel before 5.2, a setxattr operation, after a mount of a crafted ext4 image, can cause a slab-out-of-bounds w

## Risk And Classification

**Problem Types:** CWE-787 | CWE-416

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	5.0.21	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	5.0.21	All	All	All
Operating System	<a href="#">Opensuse</a>	<a href="#">Leap</a>	15.1	All	All	All
Operating System	<a href="#">Opensuse</a>	<a href="#">Leap</a>	15.1	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux</a>	7.0	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux</a>	8.0	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux</a>	7.0	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux</a>	8.0	All	All	All

## References

Reference
<a href="#">kernel/git/torvalds/linux.git - Linux kernel source tree</a>
<a href="#">USN-4391-1: Linux kernel vulnerabilities   Ubuntu security notices</a>
<a href="#">December 2019 Linux Kernel Vulnerabilities in NetApp Products   NetApp Product Security</a>
<a href="#">[security-announce] openSUSE-SU-2020:0336-1: important: Security update</a>
<a href="#">CVE/CVE-2019-19319 at master · bobfuzzer/CVE · GitHub</a>
<a href="#">[SECURITY] [DLA 2241-2] linux security update</a>

[SECURITY] [DLA 2242-1] linux-4.9 security update

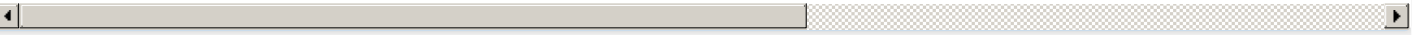
[SECURITY] [DLA 2241-1] linux security update

Debian -- Security Information -- DSA-4698-1 linux

Bug 1158021 – VUL-0: CVE-2019-19319: kernel-source: setattr operation, after a mount of a crafted ext4 image, can cause a slab-out-of-bo

CVE Program record

NVD vulnerability detail



No vendor comments have been submitted for this CVE.

### Legacy QID Mappings

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

[352300](#) Amazon Linux Security Advisory for kernel: ALAC2012-2020-020

[352348](#) Amazon Linux Security Advisory for kernel-livepatch: ALAS2LIVEPATCH-2020-020

[352349](#) Amazon Linux Security Advisory for kernel-livepatch: ALAS2LIVEPATCH-2020-019

[352350](#) Amazon Linux Security Advisory for kernel-livepatch: ALAS2LIVEPATCH-2020-018

[352351](#) Amazon Linux Security Advisory for kernel-livepatch: ALAS2LIVEPATCH-2020-017

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

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

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