



CVE-2020-25641

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Summary

CVE	CVE-2020-25641
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2020-10-06 14:15:00 UTC
Updated	2022-11-21 19:36:00 UTC
Description	A flaw was found in the Linux kernel's implementation of biovecs in versions before 5.9-rc7. A zero-length biovec request is

Risk And Classification

Problem Types: CWE-835

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
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	9.0	All	All	All
Operating System	Linux	Linux Kernel	5.9.0	-	All	All
Operating System	Linux	Linux Kernel	5.9.0	rc1	All	All
Operating System	Linux	Linux Kernel	5.9.0	rc2	All	All
Operating System	Linux	Linux Kernel	5.9.0	rc3	All	All
Operating System	Linux	Linux Kernel	5.9.0	rc4	All	All
Operating System	Linux	Linux Kernel	5.9.0	rc5	All	All
Operating System	Linux	Linux Kernel	5.9.0	rc6	All	All
Operating System	Linux	Linux Kernel	5.9.0	-	All	All
Operating System	Linux	Linux Kernel	5.9.0	rc1	All	All
Operating System	Linux	Linux Kernel	5.9.0	rc2	All	All
Operating System	Linux	Linux Kernel	5.9.0	rc3	All	All
Operating System	Linux	Linux Kernel	5.9.0	rc4	All	All
Operating System	Linux	Linux Kernel	5.9.0	rc5	All	All
Operating System	Linux	Linux Kernel	5.9.0	rc6	All	All

Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Opensuse	Leap	15.1	All	All	All
Operating System	Opensuse	Leap	15.2	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

References

Reference	Source
[security-announce] openSUSE-SU-2020:1655-1: important: Security update	SUSE
USN-4576-1: Linux kernel vulnerabilities Ubuntu security notices Ubuntu	UBUNTU
Immutable biovecs and biovec iterators — The Linux Kernel documentation	MISC
[SECURITY] [DLA 2420-2] linux regression update	MLIST
[security-announce] openSUSE-SU-2020:1698-1: important: Security update	SUSE
1881424 – (CVE-2020-25641) CVE-2020-25641 kernel: soft-lockups in iov_iter_copy_from_user_atomic() could result in DoS	MISC
kernel/git/torvalds/linux.git - Linux kernel source tree	MISC
oss-security - Re: CVE-2020-25641 kernel: soft lockup when submitting zero length bvecs.	MLIST
[SECURITY] [DLA 2420-1] linux security update	MLIST
CVE Program record	CVE.ORG
NVD vulnerability detail	NVD

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

159684 Oracle Enterprise Linux Security Update for kernel (ELSA-2020-4431)
239457 Red Hat Update for kernel-rt (RHSA-2021:0136)
353100 Amazon Linux Security Advisory for kernel : ALAC2012-2021-024
353101 Amazon Linux Security Advisory for kmod-mlx5 : ALAC2012-2021-025
353102 Amazon Linux Security Advisory for kmod-sfc : ALAC2012-2021-026
353135 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.4-2022-016
6140156 AWS Bottlerocket Security Update for kernel (GHSA-88xm-mww4-mcg2)
750376 OpenSUSE Security Update for RT kernel (openSUSE-SU-2021:0242-1)

750533 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2020:2112-1)
900076 CBL-Mariner Linux Security Update for kernel 5.4.91
903516 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (3506)
906149 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (3506-1)
940256 AlmaLinux Security Update for kernel (ALSA-2020:4431)

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