



CVE-2020-25656

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

Summary

CVE	CVE-2020-25656
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2020-12-02 01:15:00 UTC
Updated	2022-10-25 17:03:00 UTC
Description	A flaw was found in the Linux kernel. A use-after-free was found in the way the console subsystem was using ioctl's KDGKE

Risk And Classification

Problem Types: CWE-416

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Debian	Debian Linux	9.0	All	All	All
Operating System	Debian	Debian Linux	9.0	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	5.10	-	All	All
Operating System	Linux	Linux Kernel	5.10	rc1	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	5.10	-	All	All
Operating System	Linux	Linux Kernel	5.10	rc1	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	Starwindsoftware	Starwind Virtual San	-	All	All	All
Application	Starwindsoftware	Starwind Virtual San	v8	build12533	All	All
Application	Starwindsoftware	Starwind Virtual San	v8	build12658	All	All
Application	Starwindsoftware	Starwind Virtual San	v8	build12859	All	All
Application	Starwindsoftware	Starwind Virtual San	v8	build13170	All	All

Application	Starwindsoftware	Starwind Virtual San	v8	build13586	All	All
Application	Starwindsoftware	Starwind Virtual San	v8	build13861	All	All

References

Reference	Source	Link
CVE-2020-25656 Linux Kernel vulnerability in StarWind VSAN for vSphere (VSA)	MISC	www.starwindsoftware.com
[SECURITY] [DLA 2494-1] linux security update	MLIST	lists.debian.org
LKML: Jiri Slaby: [PATCH 11/17] vt: keyboard, reorder user buffer handling in vt_do_kdgkb_ioctl	MISC	lkml.org
LKML: Jiri Slaby: Re: [oss-security] CVE-2020-25656: Linux kernel concurrency UAF in vt_do_kdgkb_ioctl	MISC	lkml.org
1888726 – (CVE-2020-25656) CVE-2020-25656 kernel: use-after-free in read in vt_do_kdgkb_ioctl	MISC	bugzilla.redhat.com
[SECURITY] [DLA 2483-1] linux-4.19 security update	MLIST	lists.debian.org
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

239151 Red Hat Update for kernel (RHSA-2021:0856)
257070 CentOS Security Update for kernel (CESA-2021:0856)
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
353133 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.4-2022-018
375284 EulerOS Security Update for kernel (EulerOS-SA-2021-1311)
377038 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX2-SA-2020:0198)
610337 Google Pixel Android May 2021 Security Patch Missing
6140179 AWS Bottlerocket Security Update for kernel (GHSA-w2rr-82gq-x4q3)
670269 EulerOS Security Update for kernel (EulerOS-SA-2021-1808)
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)
750609 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2020:1906-1)
750738 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2020:3326-1)

900040 CBL-Mariner Linux Security Update for kernel 5.4.91

903679 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (3636)

906105 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (3636-1)

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