CVE-2021-31916

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Summary

CVE	CVE-2021-31916
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2021-05-06 17:15:00 UTC
Updated	2022-01-01 17:51:00 UTC
Description	An out-of-bounds (OOB) memory write flaw was found in list_devices in drivers/md/dm-ioctl.c in the Multi-device driver mod

Risk And Classification

Problem Types: CWE-787

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Debian	Debian Linux	9.0	All	All	All
Operating System	Linux	Linux Kernel	All	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	Link
dm ioctl: fix out of bounds array access when no devices · torvalds/linux@4edbe1d · GitHub	MISC	github.com
[SECURITY] [DLA 2689-1] linux security update	MLIST	lists.debian.org
1946965 – (CVE-2021-31916) CVE-2021-31916 kernel: out of bounds array access in drivers/md/dm-ioctl.c	MISC	bugzilla.redhat.cor
[SECURITY] [DLA 2690-1] linux-4.19 security update	MLIST	lists.debian.org
oss-sec: Linux Kernel: out of bounds array access in dm-ioctl.c	MISC	seclists.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

159276 Oracle Enterprise Linux Security Update for Unbreakable Enterprise kernel (ELSA-2021-9305)

159277 Oracle Enterprise Linux Security Update for Unbreakable Enterprise kernel (ELSA-2021-9306)

159278 Oracle Enterprise Linux Security Update for Unbreakable Enterprise kernel-container (ELSA-2021-9307)

159280 Oracle Enterprise Linux Security Update for Unbreakable Enterprise kernel-container (ELSA-2021-9308)

159296 Oracle Enterprise Linux Security Update for Unbreakable Enterprise kernel (ELSA-2021-9346)

159492 Oracle Enterprise Linux Security Update for kernel (ELSA-2021-4356)

178679 Debian Security Update for linux-4.19 (DLA 2690-1)

178680 Debian Security Update for linux (DLA 2689-1)

180153 Debian Security Update for linux (CVE-2021-31916)

198365 Ubuntu Security Notification for Linux kernel (OEM) vulnerabilities (USN-4948-1)

198398 Ubuntu Security Notification for Linux kernel vulnerabilities (USN-4979-1)

198401 Ubuntu Security Notification for Linux kernel vulnerabilities (USN-4982-1)

198403 Ubuntu Security Notification for Linux kernel vulnerabilities (USN-4984-1)

239816 Red Hat Update for kernel security (RHSA-2021:4356)

239879 Red Hat Update for kernel-rt (RHSA-2021:4140)

352366 Amazon Linux Security Advisory for kernel: ALAS-2021-1503

352831 Amazon Linux Security Advisory for kernel: ALAC2012-2021-030

352832 Amazon Linux Security Advisory for kmod-sfc: ALAC2012-2021-031

352833 Amazon Linux Security Advisory for kmod-mlx5: ALAC2012-2021-032

390223 Oracle Managed Virtualization (VM) Server for x86 Security Update for kernel (OVMSA-2021-0022)

610372 Google Pixel Android October 2021 Security Patch Missing

610381 Google Android November 2021 Security Patch Missing for Huawei EMUI

670488 EulerOS Security Update for kernel (EulerOS-SA-2021-2246)

670514 EulerOS Security Update for kernel (EulerOS-SA-2021-2272)

670543 EulerOS Security Update for kernel (EulerOS-SA-2021-2301)

670578 EulerOS Security Update for kernel (EulerOS-SA-2021-2336)

670634 EulerOS Security Update for kernel (EulerOS-SA-2021-2392)

671047 EulerOS Security Update for kernel (EulerOS-SA-2021-2588)

751399 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2021:1501-1)

751406 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2021:3806-1)

751424 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:3848-1)

751436 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:3877-1)

751437 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:3876-1)

751441 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2021:3876-1)

751451 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:3935-1)

751462 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2021:3941-1)

751473 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:3969-1)

751476 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:3972-1)

900096 CBL-Mariner Linux Security Update for kernel 5.10.52.1

900304 CBL-Mariner Linux Security Update for kernel 5.10.57.1

900319 CBL-Mariner Linux Security Update for kernel 5.10.60.1

901545 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (6558-1)

903632 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (4193)

905761 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (4193-1)

940265 AlmaLinux Security Update for kernel (ALSA-2021:4356)