CVE-2022-1048

MITRE | NVD | CVE.ORG | Print: PDF

Summary

CVE	CVE-2022-1048
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-04-29 16:15:00 UTC
Updated	2024-01-21 02:06:00 UTC
Description	A use-after-free flaw was found in the Linux kernel's sound subsystem in the way a user triggers concurrent calls of PCM hv

Risk And Classification

Problem Types: CWE-362 | CWE-416

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Debian	Debian Linux	10.0	All	All	All
Operating System	Debian	Debian Linux	11.0	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	5.17	-	All	All
Operating System	Linux	Linux Kernel	5.17	rc1	All	All
Operating System	Linux	Linux Kernel	5.17	rc2	All	All
Operating System	Linux	Linux Kernel	5.17	rc3	All	All
Operating System	Linux	Linux Kernel	5.17	rc4	All	All
Operating System	Linux	Linux Kernel	5.17	rc5	All	All
Operating System	Linux	Linux Kernel	5.17	rc6	All	All
Operating System	Linux	Linux Kernel	5.17	rc7	All	All
Operating System	Linux	Linux Kernel	5.17	rc8	All	All
Hardware	Netapp	Baseboard Management Controller H300e	-	All	All	All
Operating System	Netapp	Baseboard Management Controller H300e Firmware	-	All	All	All
Hardware	Netapp	Baseboard Management Controller H300s	-	All	All	All
Operating System	Netapp	Baseboard Management Controller H300s Firmware	-	All	All	All
Hardware	Netapp	Baseboard Management Controller H410c	-	All	All	All

Operating System	Netapp	Baseboard Management Controller H410c Firmware	-	All	All	All
Hardware	Netapp	Baseboard Management Controller H410s	-	All	All	All
Operating System	Netapp	Baseboard Management Controller H410s Firmware	-	All	All	All
Hardware	Netapp	Baseboard Management Controller H500e	-	All	All	All
Operating System	Netapp	Baseboard Management Controller H500e Firmware	-	All	All	All
Hardware	Netapp	Baseboard Management Controller H500s	-	All	All	All
Operating System	Netapp	Baseboard Management Controller H500s Firmware	-	All	All	All
Hardware	Netapp	Baseboard Management Controller H700e	-	All	All	All
Operating System	Netapp	Baseboard Management Controller H700e Firmware	-	All	All	All
Hardware	Netapp	Baseboard Management Controller H700s	-	All	All	All
Operating System	Netapp	Baseboard Management Controller H700s Firmware	-	All	All	All
Hardware	Netapp	H300e	-	All	All	All
Operating System	Netapp	H300e Firmware	-	All	All	All
Hardware	Netapp	H300s	-	All	All	All
Operating System	Netapp	H300s Firmware	-	All	All	All
Hardware	Netapp	H410c	-	All	All	All
Operating System	Netapp	H410c Firmware	-	All	All	All
Hardware	Netapp	H410s	-	All	All	All
Operating System	Netapp	H410s Firmware	-	All	All	All
Hardware	Netapp	H500e	-	All	All	All
Operating System	Netapp	H500e Firmware	-	All	All	All
Hardware	Netapp	H500s	-	All	All	All
Operating System	Netapp	H500s Firmware	-	All	All	All
Hardware	Netapp	H700e	-	All	All	All
Operating System	Netapp	H700e Firmware	-	All	All	All
Hardware	Netapp	H700s	-	All	All	All
Operating System	Netapp	H700s Firmware	-	All	All	All
Operating System	Redhat	Enterprise Linux	8.0	All	All	All

References

Reference	Source	Link
2066706 – (CVE-2022-1048) CVE-2022-1048 kernel: race condition in snd_pcm_hw_free leading to use-after-free	MISC	bugzilla.red
Debian -- Security Information -- DSA-5127-1 linux	DEBIAN	www.debiar
May 2022 Linux Kernel Vulnerabilities in NetApp Products | NetApp Product Security	CONFIRM	security.net
Debian -- Security Information -- DSA-5173-1 linux	DEBIAN	www.debiar

[PATCH 0/4] ALSA: pcm: Fix ioctl races	MISC	lore.kernel.c
[PATCH 0/4] ALSA: pcm: Fix ioctl races		lore.kernel.c
CVE Program record	CVE.ORG	www.cve.or
NVD vulnerability detail	NVD	nvd.nist.gov

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

- 159890 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2022-9477)
- 159895 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel-container (ELSA-2022-9478)
- 159896 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2022-9479)
- 159899 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel-container (ELSA-2022-9480)
- 160210 Oracle Enterprise Linux Security Update for kernel (ELSA-2022-7683)
- 160270 Oracle Enterprise Linux Security Update for kernel (ELSA-2022-8267)
- 179258 Debian Security Update for linux (DSA 5127-1)
- 180605 Debian Security Update for linux (DSA 5173-1)
- 184429 Debian Security Update for linux (CVE-2022-1048)
- 198747 Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-5381-1)
- 198822 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5469-1)
- 198891 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5560-1)
- 198895 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5562-1)
- 198911 Ubuntu Security Notification for Linux kernel (Azure CVM) Vulnerabilities (USN-5582-1)
- 199161 Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-5856-1)
- 240815 Red Hat Update for kernel-rt (RHSA-2022:7444)
- 240817 Red Hat Update for kernel security (RHSA-2022:7683)
- 240869 Red Hat Update for kernel-rt (RHSA-2022:7933)
- 240904 Red Hat Update for kernel security (RHSA-2022:8267)
- 282533 Fedora Security Update for kernel (FEDORA-2022-8e3ac65667)
- 282534 Fedora Security Update for kernel (FEDORA-2022-eb323bcd80)
- 353238 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.10-2022-013

376925 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2022:0125)

377766 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX2-SA-2022:0049)

377871 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX2-SA-2023:0001)

6140070 AWS Bottlerocket Security Update for kernel (GHSA-37fp-5pw6-8wj5)

752036 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:1183-1)

752039 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:1196-1)

752042 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:1197-1)

752048 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:1266-1)

752052 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:1255-1)

752053 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:1267-1)

752056 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:1270-1)

752058 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:1256-1)

752209 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 40 for SLE 12 SP3) (SUSE-SU-2022:2006-1)

753092 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 27 for SLE 15 SP1) (SUSE-SU-2022:1945-1)

753293 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 0 for SLE 15 SP3) (SUSE-SU-2022:2000-1)

753297 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 28 for SLE 12 SP5) (SUSE-SU-2022:1955-1)

753343 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 15 for SLE 15 SP3) (SUSE-SU-2022:1974-1)

753372 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 16 for SLE 15 SP3) (SUSE-SU-2022:1948-1)

753373 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:1257-1)

753417 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:1163-1)

753427 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:1407-1)

753432 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 25 for SLE 15 SP2) (SUSE-SU-2022:1947-1)

753703 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:0416-1)

753707 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:0416-1)

753727 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:0416-1)

901303 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9651)

901642 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9644)

902018 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9651-1)

902124 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9644-1)

905921 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9651-2)

906502 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9644-2)

940732 AlmaLinux Security Update for kernel (ALSA-2022:7683)

940766 AlmaLinux Security Update for kernel-rt (ALSA-2022:7444)

940798 AlmaLinux Security Update for kernel (ALSA-2022:8267)

940843 AlmaLinux Security Update for kernel-rt (ALSA-2022:7933)

960176 Rocky Linux Security Update for kernel-rt (RLSA-2022:7444)

960184 Rocky Linux Security Update for kernel (RLSA-2022:7683)