CVE-2022-28388

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Summary

CVE	CVE-2022-28388
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-04-03 21:15:00 UTC
Updated	2023-11-07 03:45:00 UTC
Description	usb_8dev_start_xmit in drivers/net/can/usb/usb_8dev.c in the Linux kernel through 5.17.1 has a double free.

Risk And Classification

Problem Types: CWE-415

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	Fedoraproject	Fedora	34	All	All	All
Operating System	Fedoraproject	Fedora	35	All	All	All
Operating System	Fedoraproject	Fedora	36	All	All	All
Operating System	Linux	Linux Kernel	All	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
Application	Netapp	Hci Baseboard Management Controller	h300e	All	All	All
Application	Netapp	Hci Baseboard Management Controller	h300s	All	All	All
Application	Netapp	Hci Baseboard Management Controller	h410c	All	All	All
Application	Netapp	Hci Baseboard Management Controller	h410s	All	All	All
Application	Netapp	Hci Baseboard Management Controller	h500e	All	All	All
Application	Netapp	Hci Baseboard Management Controller	h500s	All	All	All
Application	Netapp	Hci Baseboard Management Controller	h700e	All	All	All
Application	Netapp	Hci Baseboard Management Controller	h700s	All	All	All

References

Reference	Source	Link
[SECURITY] Fedora 35 Update: kernel-5.16.19-200.fc35 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.(
can: usb_8dev: usb_8dev_start_xmit(): fix double dev_kfree_skb() in e… · torvalds/linux@3d3925f · GitHub	MISC	github.com
[SECURITY] Fedora 34 Update: kernel-5.16.19-100.fc34 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.(
[SECURITY] Fedora 34 Update: kernel-5.16.19-100.fc34 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.(
Debian -- Security Information -- DSA-5127-1 linux	DEBIAN	www.debian.org
[SECURITY] Fedora 36 Update: kernel-5.17.2-300.fc36 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.(
Debian -- Security Information -- DSA-5173-1 linux	DEBIAN	www.debian.org
[SECURITY] Fedora 36 Update: kernel-5.17.2-300.fc36 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.(
April 2022 Linux Kernel 5.17.1 Vulnerabilities in NetApp Products | NetApp Product Security	CONFIRM	security.netapp.co
[SECURITY] Fedora 35 Update: kernel-5.16.19-200.fc35 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.(
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

159969 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2022-9557)

160583 Oracle Enterprise Linux Security Update for kernel (ELSA-2023-2458)

161147 Oracle Enterprise Linux Security Update for kernel (ELSA-2023-7077)

179258 Debian Security Update for linux (DSA 5127-1)

180605 Debian Security Update for linux (DSA 5173-1)

184728 Debian Security Update for linux (CVE-2022-28388)

198783 Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-5416-1)

198822 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5469-1)

198841 Ubuntu Security Notification for Linux kernel Vulnerability (USN-5493-1)

198845 Ubuntu Security Notification for Linux kernel (HWE) Vulnerability (USN-5493-2)

198875 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5539-1)

241417 Red Hat Update for kernel security (RHSA-2023:2458)

241468 Red Hat Update for kernel-rt (RHSA-2023:2148)

242434 Red Hat Update for kernel-rt security (RHSA-2023:6901)

242451 Red Hat Update for kernel security (RHSA-2023:7077)

242890 Red Hat Update for kernel (RHSA-2024:0724)

243087 Red Hat Update for kernel (RHSA-2024:1404)

282579 Fedora Security Update for kernel (FEDORA-2022-91633399ff)

282580 Fedora Security Update for kernel (FEDORA-2022-5cd9d787dc)

355563 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.10-2023-036

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)

390262 Oracle VM Server for x86 Security Update for kernel (OVMSA-2022-0019)

610428 Google Pixel Android September 2022 Security Patch Missing

610439 Google Android October 2022 Security Patch Missing for Huawei EMUI

6140245 AWS Bottlerocket Security Update for kernel (GHSA-97xg-3hrx-6h7x)

671862 EulerOS Security Update for kernel (EulerOS-SA-2022-1896)

671870 EulerOS Security Update for kernel (EulerOS-SA-2022-1934)

671929 EulerOS Security Update for kernel (EulerOS-SA-2022-1999)

671975 EulerOS Security Update for kernel (EulerOS-SA-2022-2159)

672003 EulerOS Security Update for kernel (EulerOS-SA-2022-2134)

672003 EulerOS Security Update for kernel (EulerOS-SA-2022-2134)

672218 EulerOS Security Update for kernel (EulerOS-SA-2022-2619)

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)

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

752231 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2082-1)

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)

900799 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9281)

901188 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9293)

901342 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9281-1)

902086 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9293-1)

905883 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9281-2)

906467 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9293-2)

941023 AlmaLinux Security Update for kernel (ALSA-2023:2458)

941061 AlmaLinux Security Update for kernel-rt (ALSA-2023:2148)

941453 AlmaLinux Security Update for kernel (ALSA-2023:7077)