CVE-2022-28390

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Summary

CVE	CVE-2022-28390
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	ems_usb_start_xmit in drivers/net/can/usb/ems_usb.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	Debian	Debian Linux	9.0	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
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

Reference	Source	Link
[SECURITY] Fedora 35 Update: kernel-5.16.19-200.fc35 - package-announce - Fedora Mailing-Lists		lists.fedoraproject
can: ems_usb: ems_usb_start_xmit(): fix double dev_kfree_skb() in err… · torvalds/linux@c702227 · 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] [DLA 3065-1] linux security update	MLIST	lists.debian.org
[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)
- 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)
- 180282 Debian Security Update for linux (DLA 3065-1)
- 180605 Debian Security Update for linux (DSA 5173-1)
- 184766 Debian Security Update for linux (CVE-2022-28390)
- 198783 Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-5416-1)
- 198822 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5469-1)
- 198824 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5467-1)
- 198825 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5466-1)
- 198826 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5468-1)
- 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)

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

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

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

353293 Amazon Linux Security Advisory for kernel : ALAS2-2022-1793

353956 Amazon Linux Security Advisory for kernel : ALAS-2022-1591

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)

610451 Google Pixel Android December 2022 Security Patch Missing

610464 Google Android January 2023 Security Patch Missing for Huawei EMUI

6140099 AWS Bottlerocket Security Update for kernel (GHSA-9q5w-2vg7-mx44)

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)

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)

753151 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 26 for SLE 15) (SUSE-SU-2022:2709-1)

753184 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 11 for SLE 15 SP3) (SUSE-SU-2022:2738-1)

753216 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 16 for SLE 15 SP3) (SUSE-SU-2022:2727-1)

753219 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 14 for SLE 15 SP3) (SUSE-SU-2022:2726-1)

753246 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 29 for SLE 15 SP1) (SUSE-SU-2022:2728-1)

753277 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 28 for SLE 15 SP1) (SUSE-SU-2022:2700-1)

753319 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 7 for SLE 15 SP3) (SUSE-SU-2022:2766-1)

753346 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 21 for SLE 15 SP2) (SUSE-SU-2022:2783-1)

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)

753443 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 24 for SLE 15 SP2) (SUSE-SU-2022:2776-1)

753481 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 9 for SLE 15 SP3) (SUSE-SU-2022:2770-1)

753491 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 0 for SLE 15 SP4) (SUSE-SU-2022:2854-1)

900801 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9283)

900893 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9295)

901339 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9283-1)

902129 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9295-1)

906151 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9283-2)

906512 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9295-2)

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)

CVE.report and Source URL Uptime Status status.cve.report