CVE-2020-25643

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Summary

CVE	CVE-2020-25643
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2020-10-06 14:15:00 UTC
Updated	2023-05-16 10:48:00 UTC
Description	A flaw was found in the HDLC_PPP module of the Linux kernel in versions before 5.9-rc7. Memory corruption and a read ov

Risk And Classification

Problem Types: CWE-20

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	9.0	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	5.9.0	-	All	All
Operating System	Linux	Linux Kernel	5.9.0	rc1	All	All
Operating System	Linux	Linux Kernel	5.9.0	rc2	All	All
Operating System	Linux	Linux Kernel	5.9.0	rc3	All	All
Operating System	Linux	Linux Kernel	5.9.0	rc4	All	All
Operating System	Linux	Linux Kernel	5.9.0	rc5	All	All
Operating System	Linux	Linux Kernel	5.9.0	rc6	All	All
Operating System	Linux	Linux Kernel	5.9.0	-	All	All
Operating System	Linux	Linux Kernel	5.9.0	rc1	All	All
Operating System	Linux	Linux Kernel	5.9.0	rc2	All	All
Operating System	Linux	Linux Kernel	5.9.0	rc3	All	All
Operating System	Linux	Linux Kernel	5.9.0	rc4	All	All
Operating System	Linux	Linux Kernel	5.9.0	rc5	All	All
Operating System	Linux	Linux Kernel	5.9.0	rc6	All	All

Operating System	Linux	Linux Kernel	All	All	All	All
Hardware	Netapp	H410c	-	All	All	All
Operating System	Netapp	H410c Firmware	-	All	All	All
Operating System	Opensuse	Leap	15.1	All	All	All
Operating System	Opensuse	Leap	15.2	All	All	All
Operating System	Opensuse	Leap	15.1	All	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	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
[security-announce] openSUSE-SU-2020:1655-1: important: Security update
[SECURITY] [DLA 2420-2] linux regression update
Debian -- Security Information -- DSA-4774-1 linux
CVE-2020-25643 Linux Kernel vulnerability in StarWind VSAN for vSphere (VSA)
[security-announce] openSUSE-SU-2020:1698-1: important: Security update
CVE-2020-25643 Linux Kernel Vulnerability in NetApp Products | NetApp Product Security
1879981 – (CVE-2020-25643) CVE-2020-25643 kernel: improper input validation in ppp_cp_parse_cr function leads to memory corruption and
[SECURITY] [DLA 2417-1] linux-4.19 security update
kernel/git/torvalds/linux.git - Linux kernel source tree
[SECURITY] [DLA 2420-1] linux security update
CVE Program record
NVD vulnerability detail

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

159185 Oracle Enterprise Linux Security Update for kernel (ELSA-2021-1578)

239314 Red Hat Update for kernel-rt (RHSA-2021:1739)

239339 Red Hat Update for kernel (RHSA-2021:1578)

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

377038 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX2-SA-2020:0198)

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)

900076 CBL-Mariner Linux Security Update for kernel 5.4.91

902957 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (3509)

906038 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (3509-1)

940354 AlmaLinux Security Update for kernel (ALSA-2021:1578)