CVE-2021-23134

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Summary

CVE	CVE-2021-23134
State	PUBLIC
Assigner	psirt@paloaltonetworks.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2021-05-12 23:15:00 UTC
Updated	2023-11-07 03:30:00 UTC
Description	Use After Free vulnerability in nfc sockets in the Linux Kernel before 5.12.4 allows local attackers to elevate their privileges.

Risk And Classification

Problem Types: CWE-416

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	Fedoraproject	Fedora	33	All	All	All
Operating System	Fedoraproject	Fedora	34	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All

References

Reference	Source	Link
FEDORA-2021-286375de1e	FEDORA	lists.fedoraproject.o
[SECURITY] Fedora 33 Update: kernel-5.11.20-200.fc33 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.o
CVE-2021-23134 Linux Kernel Vulnerability in NetApp Products | NetApp Product Security	CONFIRM	security.netapp.com
kernel/git/netdev/net.git - Netdev Group's networking tree	MISC	git.kernel.org
[SECURITY] [DLA 2689-1] linux security update	MLIST	lists.debian.org
[SECURITY] Fedora 33 Update: kernel-5.11.20-200.fc33 - package-announce - Fedora Mailing-Lists	FEDORA	lists.fedoraproject.o
[SECURITY] Fedora 34 Update: kernel-tools-5.11.20-300.fc34 - package-announce - Fedora Mailing-Lists		lists.fedoraproject.o
[SECURITY] [DLA 2690-1] linux-4.19 security update	MLIST	lists.debian.org
oss-security - CVE-2021-23134: Linux kernel: UAF in nfc sockets	MISC	www.openwall.com
CVE Program record	CVE.ORG	www.cve.org

Vendor Comments And Credit

Discovery Credit

LEGACY: Nadav Markus from Palo Alto Networks

LEGACY: Or Cohen from Palo Alto Networks

Legacy QID Mappings

159338 Oracle Enterprise Linux Security Update for Unbreakable Enterprise kernel (ELSA-2021-9404)

159339 Oracle Enterprise Linux Security Update for Unbreakable Enterprise kernel-container (ELSA-2021-9406)

159399 Oracle Enterprise Linux Security Update for Unbreakable Enterprise kernel (ELSA-2021-9452)

159400 Oracle Enterprise Linux Security Update for Unbreakable Enterprise kernel-container (ELSA-2021-9453)

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

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

180133 Debian Security Update for linux (CVE-2021-23134)

198416 Ubuntu Security Notification for Linux kernel vulnerabilities (USN-4997-1)

198418 Ubuntu Security Notification for Linux kernel vulnerabilities (USN-5000-1)

198419 Ubuntu Security Notification for Linux kernel (OEM) vulnerabilities (USN-5001-1)

198425 Ubuntu Security Notification for Linux kernel (KVM) vulnerabilities (USN-5000-2)

198426 Ubuntu Security Notification for Linux kernel (KVM) vulnerabilities (USN-4997-2)

198437 Ubuntu Security Notification for Linux kernel vulnerabilities (USN-5016-1) (Sequoia)

198459 Ubuntu Security Notification for Linux, Linux-aws, Linux-aws-hwe, Linux-azure, Linux-azure-4.15, Linux-gcp, (USN-5018-1)

281159 Fedora Security Update for kernel (FEDORA-2021-05152dbcf5)

281160 Fedora Security Update for kernel (FEDORA-2021-286375de1e)

610384 Google Pixel Android December 2021 Security Patch Missing

610392 Google Android January 2022 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)

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

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

750117 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:1891-1)

750118 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:1890-1)

750121 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:1888-1)

750125 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:1887-1)

750126 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:1889-1)

750139 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:1913-1)

750140 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:1912-1)

750171 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2021:0843-1)

750650 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:1975-1)

750652 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:1977-1)

750673 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 17 for SLE 12 SP5) (SUSE-SU-2021:2067-1)

750674 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 18 for SLE 12 SP5) (SUSE-SU-2021:2020-1)

750676 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 13 for SLE 15 SP2) (SUSE-SU-2021:2027-1)

750678 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 24 for SLE 15) (SUSE-SU-2021:2057-1)

750741 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2021:0947-1)

750762 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2021:1977-1)

750766 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2021:1975-1)

750864 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:2421-1)

750880 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:2451-1)

751688 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 37 for SLE 12 SP3) (SUSE-SU-2022:0325-1)

751689 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 39 for SLE 12 SP3) (SUSE-SU-2022:0327-1)

753087 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 22 for SLE 15) (SUSE-SU-2022:0255-1)

753211 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 11 for SLE 15 SP2) (SUSE-SU-2022:0291-1)

753257 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 23 for SLE 15) (SUSE-SU-2022:0243-1)

753272 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 16 for SLE 12 SP5) (SUSE-SU-2022:0234-1)

753292 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 0 for SLE 15 SP3) (SUSE-SU-2022:0293-1)

753408 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 15 for SLE 12 SP5) (SUSE-SU-2022:0263-1)

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

901278 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (6531-1)

902883 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (4200)

906035 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (4200-1)