CVE-2022-30594

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Summary

CVE	CVE-2022-30594
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-05-12 05:15:00 UTC
Updated	2023-08-08 14:22:00 UTC
Description	The Linux kernel before 5.17.2 mishandles seccomp permissions. The PTRACE_SEIZE code path allows attackers to bypa

Risk And Classification

Problem Types: CWE-862

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
Hardware	Netapp	8300	-	All	All	All
Operating System	Netapp	8300 Firmware	-	All	All	All
Hardware	Netapp	8700	-	All	All	All
Operating System	Netapp	8700 Firmware	-	All	All	All
Hardware	Netapp	A400	-	All	All	All
Operating System	Netapp	A400 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	H500s	-	All	All	All
Operating System	Netapp	H500s Firmware	-	All	All	All

Hardware	Netapp	H700s	-	All	All	All
Operating System	Netapp	H700s Firmware	-	All	All	All
Hardware	Netapp	Hci Compute Node	-	All	All	All
Application	Netapp	Solidfire Enterprise Sds Hci Storage Node	-	All	All	All
Application	Netapp	Solidfire Hci Management Node	-	All	All	All

References

Reference	Source	Link
cdn.kernel.org/pub/linux/kernel/v5.x/ChangeLog-5.17.2	MISC	cdn.ker
Debian -- Security Information -- DSA-5173-1 linux	DEBIAN	www.de
Kernel Live Patch Security Notice LSN-0086-1 ≈ Packet Storm	MISC	packets
ptrace: Check PTRACE_O_SUSPEND_SECCOMP permission on PTRACE_SEIZE · torvalds/linux@ee1fee9 · GitHub	MISC	github.c
[SECURITY] [DLA 3065-1] linux security update	MLIST	lists.de
CVE-2022-30594 Linux Kernel Vulnerability in NetApp Products | NetApp Product Security	CONFIRM	security
kernel/git/torvalds/linux.git - Linux kernel source tree	MISC	git.kern
2276 - project-zero - Project Zero - Monorail	MISC	bugs.ch
Linux PT_SUSPEND_SECCOMP Permission Bypass / Ptracer Death Race ≈ Packet Storm	MISC	packets
CVE Program record	CVE.ORG	www.cv
NVD vulnerability detail	NVD	nvd.nis

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

- 160200 Oracle Enterprise Linux Security Update for kernel (ELSA-2022-7318)
- 160423 Oracle Enterprise Linux Security Update for kernel (ELSA-2023-0334)
- 160692 Oracle Enterprise Linux Security Update for kernel (ELSA-2023-2951)
- 179288 Debian Security Update for linux (CVE-2022-30594)
- 180282 Debian Security Update for linux (DLA 3065-1)
- 180605 Debian Security Update for linux (DSA 5173-1)
- 198798 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5443-1)
- 198802 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5442-1)
- 198812 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5442-2)
- 198813 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5443-2)

240801 Red Hat Update for kernel-rt (RHSA-2022:7319)

240804 Red Hat Update for kernel security (RHSA-2022:7318)

241095 Red Hat Update for kernel (RHSA-2023:0334)

241096 Red Hat Update for kernel-rt (RHSA-2023:0300)

241504 Red Hat Update for kernel security (RHSA-2023:2951)

241527 Red Hat Update for kernel-rt (RHSA-2023:2736)

242855 Red Hat Update for kernel (RHSA-2024:0412)

353947 Amazon Linux Security Advisory for kernel : ALAS2-2022-1798

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

353964 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.15-2022-001

354327 Amazon Linux Security Advisory for kernel : ALAS2022-2022-083

354468 Amazon Linux Security Advisory for kernel : ALAS2022-2022-185

354542 Amazon Linux Security Advisory for kernel : ALAS-2022-185

355199 Amazon Linux Security Advisory for kernel : ALAS2023-2023-070

355565 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.15-2023-023

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)

610451 Google Pixel Android December 2022 Security Patch Missing

610464 Google Android January 2023 Security Patch Missing for Huawei EMUI

671915 EulerOS Security Update for kernel (EulerOS-SA-2022-1969)

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

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

672017 EulerOS Security Update for kernel (EulerOS-SA-2022-2244)

672045 EulerOS Security Update for kernel (EulerOS-SA-2022-2225)

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

752210 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 44 for SLE 12 SP3) (SUSE-SU-2022:2010-1)

752228 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2078-1)

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

752234 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2080-1)

752237 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2083-1)

752240 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2103-1)

752242 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2104-1)

752250 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2111-1)

752254 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2116-1)

752370 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2520-1)

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

753145 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 30 for SLE 15 SP1) (SUSE-SU-2022:1949-1)

753148 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2615-1)

753248 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 29 for SLE 15) (SUSE-SU-2022:1988-1)

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

753296 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2177-1)

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

753330 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 0 for SLE 15 SP4) (SUSE-SU-2022:2268-1)

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

753368 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2079-1)

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

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

901740 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9747)

902084 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9747-1)

940728 AlmaLinux Security Update for kernel-rt (ALSA-2022:7319)

940730 AlmaLinux Security Update for kernel (ALSA-2022:7318)

940904 AlmaLinux Security Update for kernel (ALSA-2023:0334)

940910 AlmaLinux Security Update for kernel-rt (ALSA-2023:0300)

941096 AlmaLinux Security Update for kernel (ALSA-2023:2951)

941114 AlmaLinux Security Update for kernel-rt (ALSA-2023:2736)

960503 Rocky Linux Security Update for kernel-rt (RLSA-2023:0300)

960587 Rocky Linux Security Update for kernel (RLSA-2023:0334)

960595 Rocky Linux Security Update for kernel (RLSA-2022:7318)

960611 Rocky Linux Security Update for kernel-rt (RLSA-2022:7319)