



CVE-2023-4622

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

Summary

CVE	CVE-2023-4622
State	PUBLIC
Assigner	security@google.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-09-06 14:15:00 UTC
Updated	2023-10-29 02:43:00 UTC
Description	A use-after-free vulnerability in the Linux kernel's af_unix component can be exploited to achieve local privilege escalation.

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	10.0	All	All	All
Operating System	Debian	Debian Linux	12.0	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All

References

Reference	Source	Link	Tags
[SECURITY] [DLA 3623-1] linux-5.10 security update	MISC	lists.debian.org	
kernel.dance/790c2f9d15b594350ae9bca7b236f2b1859de02c	MISC	kernel.dance	
kernel/git/stable/linux.git - Linux kernel stable tree	MISC	git.kernel.org	
Debian -- Security Information -- DSA-5492-1 linux	MISC	www.debian.org	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analysis

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

161277 Oracle Enterprise Linux Security Update for kernel (ELSA-2024-12069)
161318 Oracle Enterprise Linux Security Update for kernel (ELSA-2024-12094)
161404 Oracle Enterprise Linux Security Update for kernel (ELSA-2024-0461)
199803 Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-6415-1)
199841 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6444-1)
199842 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6440-1)
199843 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6439-1)
199844 Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-6445-1)
199845 Ubuntu Security Notification for Linux kernel (BlueField) Vulnerabilities (USN-6442-1)
199846 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6441-1)
199848 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6446-1)
199849 Ubuntu Security Notification for Linux kernel (Azure) Vulnerabilities (USN-6440-2)
199854 Ubuntu Security Notification for Linux kernel (GCP) Vulnerabilities (USN-6441-2)
199855 Ubuntu Security Notification for Linux kernel (AWS) Vulnerabilities (USN-6439-2)
199858 Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-6445-2)
199859 Ubuntu Security Notification for Linux kernel (StarFive) Vulnerabilities (USN-6444-2)
199861 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6446-2)
199864 Ubuntu Security Notification for Linux kernel (HWE) Vulnerabilities (USN-6440-3)
199868 Ubuntu Security Notification for Linux kernel (Oracle) Vulnerabilities (USN-6446-3)
199872 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6441-3)
199883 Ubuntu Security Notification for Linux kernel (NVIDIA) Vulnerabilities (USN-6466-1)
242727 Red Hat Update for kpatch-patch (RHSA-2024:0340)
242728 Red Hat Update for kpatch-patch (RHSA-2024:0378)
242731 Red Hat Update for kpatch-patch (RHSA-2024:0376)
242734 Red Hat Update for kpatch-patch (RHSA-2024:0381)
242762 Red Hat Update for kernel (RHSA-2024:0403)
242769 Red Hat Update for kpatch-patch (RHSA-2024:0554)
242785 Red Hat Update for kpatch-patch (RHSA-2024:0593)
242789 Red Hat Update for kernel (RHSA-2024:0575)

242830 Red Hat Update for kernel-rt (RHSA-2024:0563)
242831 Red Hat Update for kernel (RHSA-2024:0562)
242839 Red Hat Update for kernel (RHSA-2024:0461)
242845 Red Hat Update for kernel (RHSA-2024:0448)
242846 Red Hat Update for kernel-rt (RHSA-2024:0439)
242855 Red Hat Update for kernel (RHSA-2024:0412)
242862 Red Hat Update for kernel-rt (RHSA-2024:0402)
243050 Red Hat Update for kernel (RHSA-2024:1250)
243053 Red Hat Update for kernel live patch module (RHSA-2024:1253)
243062 Red Hat Update for kernel-rt (RHSA-2024:1306)
356357 Amazon Linux Security Advisory for kernel : ALAS-2023-1838
356409 Amazon Linux Security Advisory for kernel : ALAS2-2023-2264
356571 Amazon Linux Security Advisory for kernel-livepatch : ALAS2LIVEPATCH-2023-155
356584 Amazon Linux Security Advisory for kernel-livepatch : ALAS2LIVEPATCH-2023-152
356588 Amazon Linux Security Advisory for kernel-livepatch : ALAS2LIVEPATCH-2023-154
356595 Amazon Linux Security Advisory for kernel-livepatch : ALAS2LIVEPATCH-2023-153
356599 Amazon Linux Security Advisory for kernel-livepatch : ALAS2LIVEPATCH-2023-151
356606 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.4-2023-053
379614 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2024:0017)
6000220 Debian Security Update for linux (DSA 5492-1)
6000265 Debian Security Update for linux-5.10 (DLA 3623-1)
6000429 Debian Security Update for linux (DLA 3710-1)
673406 EulerOS Security Update for kernel (EulerOS-SA-2023-3182)
673563 EulerOS Security Update for kernel (EulerOS-SA-2024-1144)
673595 EulerOS Security Update for kernel (EulerOS-SA-2023-3247)
673644 EulerOS Security Update for kernel (EulerOS-SA-2023-3336)
673692 EulerOS Security Update for kernel (EulerOS-SA-2023-3275)
673848 EulerOS Security Update for kernel (EulerOS-SA-2023-3217)

673995 EulerOS Security Update for kernel (EulerOS-SA-2024-1275)
674042 EulerOS Security Update for kernel (EulerOS-SA-2023-3304)
755059 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4035-1)
755060 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4031-1)
755061 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4030-1)
755063 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4032-1)
755082 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4058-1)
755083 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4057-1)
755085 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4072-1)
755086 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4071-1)
755096 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4093-1)
755107 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4095-1)
755229 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4072-2)
755394 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 36 for SLE 15 SP2) (SUSE-SU-2023:4796-1)
755402 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 44 for SLE 15 SP1) (SUSE-SU-2023:4795-1)
755410 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 33 for SLE 15 SP3) (SUSE-SU-2023:4817-1)
755412 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 40 for SLE 15 SP2) (SUSE-SU-2023:4802-1)
755419 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 35 for SLE 15 SP3) (SUSE-SU-2023:4820-1)
755423 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 36 for SLE 15 SP3) (SUSE-SU-2023:4836-1)
755425 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 33 for SLE 15 SP2) (SUSE-SU-2023:4833-1)
755426 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 37 for SLE 15 SP1) (SUSE-SU-2023:4831-1)
755467 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 28 for SLE 15 SP3) (SUSE-SU-2023:4862-1)
755468 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 37 for SLE 15 SP2) (SUSE-SU-2023:4866-1)
755469 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 5 for SLE 15 SP4) (SUSE-SU-2023:4849-1)
755475 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 27 for SLE 15 SP3) (SUSE-SU-2023:4871-1)
755565 SUSE Security Update for the linux kernel (SUSE-SU-2023:4347-1)
907294 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (28679-1)
907563 Common Base Linux Mariner (CBL-Mariner) Security Update for hyperv-daemons (31642-1)
941540 AlmaLinux Security Update for kernel (ALSA-2024:0113)

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