CVE-2023-3776

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Summary

CVE	CVE-2023-3776
State	PUBLIC
Assigner	security@google.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-07-21 21:15:00 UTC
Updated	2024-02-02 14:15:00 UTC
Description	A use-after-free vulnerability in the Linux kernel's net/sched: cls_fw component can be exploited to achieve local privilege e

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	11.0	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	6.5	rc1	All	All

References

Reference	Source	Link	Tags
[SECURITY] [DLA 3623-1] linux-5.10 security update	MISC	lists.debian.org	
Debian -- Security Information -- DSA-5480-1 linux	MISC	www.debian.org	
CVE-2023-3776 Linux Kernel Vulnerability in NetApp Products | NetApp Product Security		security.netapp.com	
Kernel Live Patch Security Notice LSN-0099-1 ≈ Packet Storm		packetstormsecurity.com	
lists.debian.org/debian-lts-announce/2024/01/msg00004.html		lists.debian.org	
Debian -- Security Information -- DSA-5492-1 linux	MISC	www.debian.org	
kernel.dance/0323bce598eea038714f941ce2b22541c46d488f	MISC	kernel.dance	
kernel/git/torvalds/linux.git - Linux kernel source tree	MISC	git.kernel.org	
Kernel Live Patch Security Notice LSN-0098-1 ≈ Packet Storm	MISC	packetstormsecurity.com	

CVE Program record	CVE.ORG	www.cve.org	canonica
NVD vulnerability detail	NVD	nvd.nist.gov	canonica

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

160912 Oracle Enterprise Linux Security Update for kernel (ELSA-2023-5069)

160934 Oracle Enterprise Linux Security Update for kernel (ELSA-2023-5244)

160949 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2023-12842)

161194 Oracle Enterprise Linux Security Update for kernel (ELSA-2023-7423)

199651 Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-6285-1)

199764 Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-6385-1)

199775 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6341-1)

199784 Ubuntu Security Notification for Linux kernel (BlueField) Vulnerabilities (USN-6397-1)

242062 Red Hat Update for kpatch-patch (RHSA-2023:5221)

242070 Red Hat Update for kernel security (RHSA-2023:5244)

242075 Red Hat Update for kernel-rt (RHSA-2023:5255)

242147 Red Hat Update for kernel (RHSA-2023:5628)

242179 Red Hat Update for kpatch-patch (RHSA-2023:5775)

242188 Red Hat Update for kernel-rt (RHSA-2023:5794)

242340 Red Hat Update for kpatch-patch (RHSA-2023:6799)

242343 Red Hat Update for kernel (RHSA-2023:6813)

242481 Red Hat Update for kernel (RHSA-2023:7382)

242483 Red Hat Update for kernel-rt (RHSA-2023:7389)

242487 Red Hat Update for kpatch-patch (RHSA-2023:7410)

242489 Red Hat Update for kpatch-patch (RHSA-2023:7411)

242496 Red Hat Update for kpatch-patch (RHSA-2023:7417)

242498 Red Hat Update for kernel-rt (RHSA-2023:7424)

242500 Red Hat Update for kernel-rt (RHSA-2023:7431)

242501 Red Hat Update for kernel (RHSA-2023:7423)

242502 Red Hat Update for kpatch-patch (RHSA-2023:7419)

242504 Red Hat Update for kernel (RHSA-2023:7434)

242617 Red Hat Update for kernel (RHSA-2023:7398)

257270 Centos Security Update for kernel

257295 CentOS Security Update for kernel (CESA-2023:7423)

355761 Amazon Linux Security Advisory for kernel : ALAS-2023-1792

355771 Amazon Linux Security Advisory for kernel : ALAS2-2023-2179

355795 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.10-2023-038

355796 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.15-2023-025

355798 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.4-2023-050

355815 Amazon Linux Security Advisory for kernel : ALAS2023-2023-285

356185 Amazon Linux Security Advisory for kernel-livepatch : ALASLIVEPATCH-2023-147

356207 Amazon Linux Security Advisory for kernel-livepatch : ALASLIVEPATCH-2023-146

356208 Amazon Linux Security Advisory for kernel-livepatch : ALASLIVEPATCH-2023-143

356217 Amazon Linux Security Advisory for kernel-livepatch : ALASLIVEPATCH-2023-145

356228 Amazon Linux Security Advisory for kernel-livepatch : ALASLIVEPATCH-2023-142

356276 Amazon Linux Security Advisory for kernel-livepatch : ALASLIVEPATCH-2023-144

356284 Amazon Linux Security Advisory for kernel-livepatch : ALASLIVEPATCH-2023-148

356494 Amazon Linux Security Advisory for kernel-livepatch : ALAS2LIVEPATCH-2023-148

356519 Amazon Linux Security Advisory for kernel-livepatch : ALAS2023LIVEPATCH-2023-011

356524 Amazon Linux Security Advisory for kernel-livepatch : ALAS2023LIVEPATCH-2023-015

356535 Amazon Linux Security Advisory for kernel-livepatch : ALAS2023LIVEPATCH-2023-013

356537 Amazon Linux Security Advisory for kernel-livepatch : ALAS2023LIVEPATCH-2023-012

356544 Amazon Linux Security Advisory for kernel-livepatch : ALAS2023LIVEPATCH-2023-014

378889 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX2-SA-2023:0036)

378892 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2023:0114)

379043 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2023:0136)

390290 Oracle Managed Virtualization (VM) Server for x86 Security Update for kernel (OVMSA-2023-0023)

6000212 Debian Security Update for linux (DSA 5480-1)

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)

6140207 AWS Bottlerocket Security Update for kernel (GHSA-j46r-c839-5fw3)

673354 EulerOS Security Update for kernel (EulerOS-SA-2023-2843)

673372 EulerOS Security Update for kernel (EulerOS-SA-2023-2787)

673449 EulerOS Security Update for kernel (EulerOS-SA-2023-2898)

673496 EulerOS Security Update for kernel (EulerOS-SA-2023-2860)

673498 EulerOS Security Update for kernel (EulerOS-SA-2023-3132)

673604 EulerOS Security Update for kernel (EulerOS-SA-2023-2811)

673970 EulerOS Security Update for kernel (EulerOS-SA-2023-2879)

754275 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3309-1)

754281 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3349-1)

754919 SUSE Enterprise Linux Security Update for the Linux Kernel RT (Live Patch 9 for SLE 15 SP4) (SUSE-SU-2023:3773-1)

754920 SUSE Enterprise Linux Security Update for the Linux Kernel RT (Live Patch 0 for SLE 15 SP5) (SUSE-SU-2023:3772-1)

754921 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 39 for SLE 15 SP1) (SUSE-SU-2023:3768-1)

754922 SUSE Enterprise Linux Security Update for the Linux Kernel RT (Live Patch 1 for SLE 15 SP5) (SUSE-SU-2023:3784-1)

754923 SUSE Enterprise Linux Security Update for the Linux Kernel RT (Live Patch 6 for SLE 15 SP4) (SUSE-SU-2023:3783-1)

754924 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 37 for SLE 15 SP1) (SUSE-SU-2023:3786-1)

754927 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 31 for SLE 15 SP2) (SUSE-SU-2023:3788-1)

754939 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 30 for SLE 15 SP2) (SUSE-SU-2023:3812-1)

754941 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 42 for SLE 15 SP1) (SUSE-SU-2023:3809-1)

754947 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 33 for SLE 15 SP2) (SUSE-SU-2023:3844-1)

754948 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 40 for SLE 15 SP1) (SUSE-SU-2023:3838-1)

754976 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 36 for SLE 15 SP2) (SUSE-SU-2023:3846-1)

754990 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 23 for SLE 15 SP3) (SUSE-SU-2023:3892-1)

754992 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 38 for SLE 15 SP2) (SUSE-SU-2023:3889-1)

754993 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 32 for SLE 15 SP2) (SUSE-SU-2023:3893-1)

754993 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 32 for SLE 15 SP2) (SUSE-SU-2023:3893-1)

755002 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 2 for SLE 15 SP5) (SUSE-SU-2023:3924-1)

755003 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 1 for SLE 15 SP5) (SUSE-SU-2023:3923-1)

755004 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 13 for SLE 15 SP4) (SUSE-SU-2023:3922-1)

755006 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 26 for SLE 15 SP3) (SUSE-SU-2023:3928-1)

907144 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (27724-1)

907195 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (27677-1)

941249 AlmaLinux Security Update for kernel (ALSA-2023:5069)

941254 AlmaLinux Security Update for kernel-rt (ALSA-2023:5091)

941276 AlmaLinux Security Update for kernel (ALSA-2023:5244)

961015 Rocky Linux Security Update for kernel-rt (RLSA-2023:5091)

961022 Rocky Linux Security Update for kernel (RLSA-2023:5244)