



CVE-2023-3609

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

Summary

CVE	CVE-2023-3609
State	PUBLIC
Assigner	security@google.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-07-21 21:15:00 UTC
Updated	2023-10-26 18:15:00 UTC
Description	A use-after-free vulnerability in the Linux kernel's net/sched: cls_u32 component can be exploited to achieve local privilege

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	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	6.4	rc1	All	All
Operating System	Linux	Linux Kernel	6.4	rc2	All	All
Operating System	Linux	Linux Kernel	6.4	rc3	All	All
Operating System	Linux	Linux Kernel	6.4	rc4	All	All
Operating System	Linux	Linux Kernel	6.4	rc5	All	All
Operating System	Linux	Linux Kernel	6.4	rc6	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	
kernel/git/torvalds/linux.git - Linux kernel source tree	MISC	git.kernel.org	
July 2023 Linux Kernel 6.3 Vulnerabilities in NetApp Products NetApp Product Security	MISC	security.netapp.com	
Kernel Live Patch Security Notice LSN-0098-1 ≈ Packet Storm	MISC	packetstormsecurity.com	

kernel.dance/04c55383fa5689357bcdd2c8036725a55ed632bc	MISC	kernel.dance	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical,

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

- [160971](#) Oracle Enterprise Linux Security Update for kernel (ELSA-2023-5622)
- [161066](#) Oracle Enterprise Linux Security Update for kernel (ELSA-2023-6583)
- [161147](#) Oracle Enterprise Linux Security Update for kernel (ELSA-2023-7077)
- [199651](#) Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-6285-1)
- [199764](#) Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-6385-1)
- [199784](#) Ubuntu Security Notification for Linux kernel (BlueField) Vulnerabilities (USN-6397-1)
- [242143](#) Red Hat Update for kpatch-patch (RHSA-2023:5574)
- [242147](#) Red Hat Update for kernel (RHSA-2023:5628)
- [242158](#) Red Hat Update for kernel (RHSA-2023:5622)
- [242159](#) Red Hat Update for kernel-rt (RHSA-2023:5621)
- [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)
- [242399](#) Red Hat Update for kernel security (RHSA-2023:6583)
- [242434](#) Red Hat Update for kernel-rt security (RHSA-2023:6901)
- [242451](#) Red Hat Update for kernel security (RHSA-2023:7077)
- [242482](#) Red Hat Update for kernel-rt (RHSA-2023:7379)
- [242487](#) Red Hat Update for kpatch-patch (RHSA-2023:7410)
- [242496](#) Red Hat Update for kpatch-patch (RHSA-2023:7417)
- [242497](#) Red Hat Update for kpatch-patch (RHSA-2023:7418)
- [242500](#) Red Hat Update for kernel-rt (RHSA-2023:7431)
- [242504](#) Red Hat Update for kernel (RHSA-2023:7434)

242518 Red Hat Update for kpatch-patch (RHSA-2023:7558)
242521 Red Hat Update for kernel security (RHSA-2023:7539)
242612 Red Hat Update for kernel security (RHSA-2023:7370)
242617 Red Hat Update for kernel (RHSA-2023:7398)
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)
257259 CentOS Security Update for kernel
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
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
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)
6000212 Debian Security Update for linux (DSA 5480-1)
6000265 Debian Security Update for linux-5.10 (DLA 3623-1)

6000429 Debian Security Update for linux (DLA 3710-1)
6140136 AWS Bottlerocket Security Update for kernel (GHSA-rpcx-hw6h-5p83)
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)
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)

907112 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (27726-1)

907162 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (27676-1)

941453 AlmaLinux Security Update for kernel (ALSA-2023:7077)

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