



CVE-2023-2163

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Summary

CVE	CVE-2023-2163
State	PUBLIC
Assigner	security@google.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-09-20 06:15:00 UTC
Updated	2023-12-15 15:48:00 UTC
Description	Incorrect verifier pruning in BPF in Linux Kernel >=5.4 leads to unsafe code paths being incorrectly marked as safe, resultin

Risk And Classification

Problem Types: CWE-682

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	6.3	rc1	All	All
Operating System	Linux	Linux Kernel	6.3	rc2	All	All
Operating System	Linux	Linux Kernel	6.3	rc3	All	All
Operating System	Linux	Linux Kernel	6.3	rc4	All	All
Operating System	Linux	Linux Kernel	6.3	rc5	All	All
Operating System	Linux	Linux Kernel	6.3	rc6	All	All
Operating System	Linux	Linux Kernel	6.3	rc7	All	All

References

Reference	Source	Link	Tags
kernel/git/torvalds/linux.git - Linux kernel source tree	MISC	git.kernel.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 OID Mappings

161208 Oracle Enterprise Linux Security Update for kernel (ELSA-2023-7549)
199670 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6300-1)
199764 Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-6385-1)
199784 Ubuntu Security Notification for Linux kernel (BlueField) Vulnerabilities (USN-6397-1)
242516 Red Hat Update for kernel (RHSA-2023:7549)
242522 Red Hat Update for kpatch-patch (RHSA-2023:7554)
242526 Red Hat Update for kernel-rt (RHSA-2023:7548)
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)
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)
673354 EulerOS Security Update for kernel (EulerOS-SA-2023-2843)
673496 EulerOS Security Update for kernel (EulerOS-SA-2023-2860)
755235 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4377-1)
755238 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4378-1)
755240 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4375-1)

755249 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4414-1)
755424 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 41 for SLE 15 SP2) (SUSE-SU-2023:4835-1)
755563 SUSE Security Update for the linux kernel (SUSE-SU-2023:4351-1)
755564 SUSE Security Update for the linux kernel (SUSE-SU-2023:4348-1)
755566 SUSE Security Update for the linux kernel (SUSE-SU-2023:4345-1)
755567 SUSE Security Update for the linux kernel (SUSE-SU-2023:4343-1)
907363 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (29941-1)
941482 AlmaLinux Security Update for kernel (ALSA-2023:7549)
961087 Rocky Linux Security Update for kernel-rt (RLSA-2023:7548)
961089 Rocky Linux Security Update for kernel (RLSA-2023:7549)

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