CVE-2023-4004

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Summary

CVE	CVE-2023-4004
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-07-31 17:15:00 UTC
Updated	2023-11-07 04:22:00 UTC
Description	A use-after-free flaw was found in the Linux kernel's netfilter in the way a user triggers the nft_pipapo_remove function with

Risk And Classification

Problem Types: CWE-416

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Fedoraproject	Fedora	38	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	6.5	rc1	All	All
Operating System	Linux	Linux Kernel	6.5	rc2	All	All
Operating System	Linux	Linux Kernel	6.5	rc3	All	All
Operating System	Linux	Linux Kernel	6.5	rc4	All	All
Operating System	Redhat	Enterprise Linux	8.0	All	All	All
Operating System	Redhat	Enterprise Linux	9.0	All	All	All

References

Reference
Red Hat
Red Hat
[SECURITY] [DLA 3623-1] linux-5.10 security update
Debian -- Security Information -- DSA-5480-1 linux
[nf] netfilter: nft_set_pipapo: fix improper element removal - Patchwork
Red Hat

cve-details
Red Hat
CVE-2023-4004 Linux Kernel Vulnerability in NetApp Products | NetApp Product Security
Red Hat
Red Hat
Debian -- Security Information -- DSA-5492-1 linux
Red Hat
Kernel Live Patch Security Notice LSN-0098-1 ≈ Packet Storm
Red Hat
Red Hat
Red Hat
2225275 – (CVE-2023-4004) CVE-2023-4004 kernel: netfilter: nft_set_pipapo: improper element removal in function nft_pipapo_remove when
Red Hat
CVE Program record
NVD vulnerability detail

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)
- 199764 Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-6385-1)
- 199845 Ubuntu Security Notification for Linux kernel (BlueField) Vulnerabilities (USN-6442-1)
- 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)
- 242141 Red Hat Update for kpatch-patch (RHSA-2023:5548)
- 242151 Red Hat Update for kernel security (RHSA-2023:5627)
- 242481 Red Hat Update for kernel (RHSA-2023:7382)
- 242483 Red Hat Update for kernel-rt (RHSA-2023:7389)
- 242489 Red Hat Update for kpatch-patch (RHSA-2023:7411)
- 242496 Red Hat Update for kpatch-patch (RHSA-2023:7417)

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

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

356571 Amazon Linux Security Advisory for kernel-livepatch : ALAS2LIVEPATCH-2023-155

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)

6000220 Debian Security Update for linux (DSA 5492-1)

6000265 Debian Security Update for linux-5.10 (DLA 3623-1)

6140055 AWS Bottlerocket Security Update for kernel (GHSA-p683-h62f-x788)

673484 EulerOS Security Update for kernel (EulerOS-SA-2023-3033)

673732 EulerOS Security Update for kernel (EulerOS-SA-2023-3010)

755107 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4095-1)

755135 SUSE Enterprise Linux Security Update for the Linux Kernel RT (Live Patch 5 for SLE 15 SP4) (SUSE-SU-2023:4166-1)

755140 SUSE Enterprise Linux Security Update for the Linux Kernel RT (Live Patch 1 for SLE 15 SP5) (SUSE-SU-2023:4175-1)

755154 SUSE Enterprise Linux Security Update for the Linux Kernel RT (Live Patch 3 for SLE 15 SP4) (SUSE-SU-2023:4201-1)

755168 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 33 for SLE 15 SP3) (SUSE-SU-2023:4219-1)

755178 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 36 for SLE 15 SP3) (SUSE-SU-2023:4261-1)

755179 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 35 for SLE 15 SP3) (SUSE-SU-2023:4260-1)

755184 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 29 for SLE 15 SP3) (SUSE-SU-2023:4239-1)

755186 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 4 for SLE 15 SP4) (SUSE-SU-2023:4267-1)

755192 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 7 for SLE 15 SP4) (SUSE-SU-2023:4285-1)

755210 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 8 for SLE 15 SP4) (SUSE-SU-2023:4308-1)

755212 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 0 for SLE 15 SP5) (SUSE-SU-2023:4326-1)

755214 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 15 for SLE 15 SP4) (SUSE-SU-2023:4322-1)

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)