CVE-2023-3812

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Summary

CVE	CVE-2023-3812
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-07-24 16:15:00 UTC
Updated	2024-01-30 16:15:00 UTC
Description	An out-of-bounds memory access flaw was found in the Linux kernel's TUN/TAP device driver functionality in how a user ge

Risk And Classification

Problem Types: CWE-787

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	6.1	rc1	All	All
Operating System	Linux	Linux Kernel	6.1	rc2	All	All
Operating System	Linux	Linux Kernel	6.1	rc3	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Redhat	Enterprise Linux	8.0	All	All	All
Operating System	Redhat	Enterprise Linux	9.0	All	All	All

References

Reference	Source
Red Hat	
Red Hat	
Red Hat	
kernel/git/torvalds/linux.git - Linux kernel source tree	MISC
Red Hat	
Red Hat	
Red Hat	

Red Hat	
RHSA-2023:7549	
RHSA-2023:7554	
Red Hat	
Red Hat	
Red Hat	
2224048 – (CVE-2023-3812) CVE-2023-3812 kernel: tun: bugs for oversize packet when napi frags enabled in tun_napi_alloc_frags	MISC
Red Hat	
cve-details	MISC
Red Hat	
Red Hat	
Red Hat	
RHSA-2023:7548	
Red Hat	
Red Hat	
Red Hat	
CVE Program record	CVE.O
NVD vulnerability detail	NVD

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

- 161208 Oracle Enterprise Linux Security Update for kernel (ELSA-2023-7549)
- 161318 Oracle Enterprise Linux Security Update for kernel (ELSA-2024-12094)
- 161404 Oracle Enterprise Linux Security Update for kernel (ELSA-2024-0461)
- 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)
- 242482 Red Hat Update for kernel-rt (RHSA-2023:7379)
- 242483 Red Hat Update for kernel-rt (RHSA-2023:7389)
- 242489 Red Hat Update for kpatch-patch (RHSA-2023:7411)
- 242497 Red Hat Update for kpatch-patch (RHSA-2023:7418)
- 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)

242612 Red Hat Update for kernel security (RHSA-2023:7370)

242727 Red Hat Update for kpatch-patch (RHSA-2024:0340)

242728 Red Hat Update for kpatch-patch (RHSA-2024:0378)

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)

242855 Red Hat Update for kernel (RHSA-2024:0412)

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)

754863 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3680-1)

754869 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3681-1)

754883 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3705-1)

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)

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)

754940 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 43 for SLE 15 SP1) (SUSE-SU-2023:3811-1)

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)

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

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)