CVE-2022-34918

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Summary

CVE	CVE-2022-34918
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-07-04 21:15:00 UTC
Updated	2023-11-07 03:48:00 UTC
Description	An issue was discovered in the Linux kernel through 5.18.9. A type confusion bug in nft_set_elem_init (leading to a buffer o

Risk And Classification

Problem Types: CWE-843

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.04	All	All	All
Operating System	Canonical	Ubuntu Linux	20.04	All	All	All
Operating System	Canonical	Ubuntu Linux	22.04	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	All	All	All	All
Hardware	Netapp	H300s	-	All	All	All
Operating System	Netapp	H300s Firmware	-	All	All	All
Hardware	Netapp	H410c	-	All	All	All
Operating System	Netapp	H410c Firmware	-	All	All	All
Hardware	Netapp	H410s	-	All	All	All
Operating System	Netapp	H410s Firmware	-	All	All	All
Hardware	Netapp	H500s	-	All	All	All
Operating System	Netapp	H500s Firmware	-	All	All	All
Hardware	Netapp	H700s	-	All	All	All

Operating System	Netapp	H700s Firmware	-	All	All	All

References

Reference	Source	Link	Tags
kernel/git/netdev/net.git - Netdev Group's networking tree	MISC	git.kernel.org	
Kernel Live Patch Security Notice LSN-0089-1 ≈ Packet Storm	MISC	packetstormsecurity.com	
Netfilter nft_set_elem_init Heap Overflow Privilege Escalation ≈ Packet Storm	MISC	packetstormsecurity.com	
oss-security - Re: Linux kernel: Netfilter heap buffer overflow in nft_set_elem_init	MLIST	www.openwall.com	
CVE-2022-34918 Linux Kernel Vulnerability in NetApp Products | NetApp Product Security	CONFIRM	security.netapp.com	
oss-security - Re: Linux kernel: Netfilter heap buffer overflow in nft_set_elem_init	MISC	www.openwall.com	
[vs] Netfilter vulnerability disclosure		lore.kernel.org	
[CVE-2022-34918] A crack in the Linux firewall	MISC	www.randorisec.fr	
Debian -- Security Information -- DSA-5191-1 linux	DEBIAN	www.debian.org	
[vs] Netfilter vulnerability disclosure	MISC	lore.kernel.org	
oss-security - Re: Linux kernel: Netfilter heap buffer overflow in nft_set_elem_init	MLIST	www.openwall.com	
CVE Program record	CVE.ORG	www.cve.org	canonic
NVD vulnerability detail	NVD	nvd.nist.gov	canonic

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

160106 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2022-9827)

160109 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel-container (ELSA-2022-9830)

160110 Oracle Enterprise Linux Security Update for kernel (ELSA-2022-6610)

160776 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2023-12588)

160777 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel-container (ELSA-2023-12590)

160778 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel-container (ELSA-2023-12591)

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

180900 Debian Security Update for linux (DSA 5191-1)

182626 Debian Security Update for linux (CVE-2022-34918)

198880 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5544-1)

198881 Ubuntu Security Notification for Linux kernel (OEM) Vulnerability (USN-5545-1)

198891 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5560-1)

198894 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5566-1)

198895 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5562-1)

198897 Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-5564-1)

198911 Ubuntu Security Notification for Linux kernel (Azure CVM) Vulnerabilities (USN-5582-1)

240677 Red Hat Update for kpatch-patch (RHSA-2022:6592)

240680 Red Hat Update for kernel security (RHSA-2022:6610)

240682 Red Hat Update for kernel-rt (RHSA-2022:6582)

282922 Fedora Security Update for kernel (FEDORA-2022-d280d3b05d)

282923 Fedora Security Update for kernel (FEDORA-2022-b47003a52b)

354011 Amazon Linux Security Advisory for kernel-livepatch : ALAS2LIVEPATCH-2022-089

354014 Amazon Linux Security Advisory for kernel-livepatch : ALAS2LIVEPATCH-2022-087

354016 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.10-2022-018

354020 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.15-2022-005

354027 Amazon Linux Security Advisory for kernel-livepatch : ALAS2LIVEPATCH-2022-090

354028 Amazon Linux Security Advisory for kernel-livepatch : ALAS2LIVEPATCH-2022-088

354049 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.4-2022-034

354270 Amazon Linux Security Advisory for kernel : ALAS2022-2022-114

354468 Amazon Linux Security Advisory for kernel : ALAS2022-2022-185

354542 Amazon Linux Security Advisory for kernel : ALAS-2022-185

355199 Amazon Linux Security Advisory for kernel : ALAS2023-2023-070

355545 Amazon Linux Security Advisory for kernel : ALAS2-2023-2100

355557 Amazon Linux Security Advisory for kernel : ALAS-2023-1773

377117 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2022:0158)

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

6140381 AWS Bottlerocket Security Update for kernel (GHSA-89wg-9m7j-mxmm)

672086 EulerOS Security Update for kernel (EulerOS-SA-2022-2321)

672114 EulerOS Security Update for kernel (EulerOS-SA-2022-2292)

672139 EulerOS Security Update for kernel (EulerOS-SA-2022-2428)

672141 EulerOS Security Update for kernel (EulerOS-SA-2022-2441)

672158 EulerOS Security Update for kernel (EulerOS-SA-2022-2415)

672205 EulerOS Security Update for kernel (EulerOS-SA-2022-2466)

672218 EulerOS Security Update for kernel (EulerOS-SA-2022-2619)

752364 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2422-1)

752370 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2520-1)

752391 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2549-1)

753148 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2615-1)

753184 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 11 for SLE 15 SP3) (SUSE-SU-2022:2738-1)

753216 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 16 for SLE 15 SP3) (SUSE-SU-2022:2727-1)

753219 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 14 for SLE 15 SP3) (SUSE-SU-2022:2726-1)

753271 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2424-1)

753294 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 19 for SLE 15 SP3) (SUSE-SU-2022:2696-1)

753315 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 18 for SLE 15 SP3) (SUSE-SU-2022:2759-1)

753319 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 7 for SLE 15 SP3) (SUSE-SU-2022:2766-1)

753362 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2376-1)

753481 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 9 for SLE 15 SP3) (SUSE-SU-2022:2770-1)

753489 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 17 for SLE 15 SP3) (SUSE-SU-2022:2732-1)

753491 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 0 for SLE 15 SP4) (SUSE-SU-2022:2854-1)

902451 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10078)

902453 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10075)

902643 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10075-1)

902678 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10078-1)

906135 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10078-2)

906458 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10075-2)

940681 AlmaLinux Security Update for kernel (ALSA-2022:6610)

940697 AlmaLinux Security Update for kernel-rt (ALSA-2022:6582)