



CVE-2021-4157

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064_img.jpg\)](#)

Summary

CVE	CVE-2021-4157
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-03-25 19:15:00 UTC
Updated	2023-11-07 03:40:00 UTC
Description	An out of memory bounds write flaw (1 or 2 bytes of memory) in the Linux kernel NFS subsystem was found in the way use

Risk And Classification

Problem Types: CWE-119

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Fedoraproject	Fedora	35	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	5.13	-	All	All
Hardware	Netapp	H300e	-	All	All	All
Operating System	Netapp	H300e Firmware	-	All	All	All
Hardware	Netapp	H300s	-	All	All	All
Operating System	Netapp	H300s Firmware	-	All	All	All
Hardware	Netapp	H410s	-	All	All	All
Operating System	Netapp	H410s Firmware	-	All	All	All
Hardware	Netapp	H500e	-	All	All	All
Operating System	Netapp	H500e Firmware	-	All	All	All
Hardware	Netapp	H500s	-	All	All	All
Operating System	Netapp	H500s Firmware	-	All	All	All
Hardware	Netapp	H700e	-	All	All	All
Operating System	Netapp	H700e Firmware	-	All	All	All
Hardware	Netapp	H700s	-	All	All	All
Operating System	Netapp	H700s Firmware	-	All	All	All

Application	Oracle	Communications Cloud Native Core Binding Support Function	22.1.1	All	All	All
Application	Oracle	Communications Cloud Native Core Binding Support Function	22.1.3	All	All	All
Application	Oracle	Communications Cloud Native Core Binding Support Function	22.2.0	All	All	All

References

Reference	Source	Link
CVE-2021-4157 Linux Kernel Vulnerability in NetApp Products NetApp Product Security	CONFIRM	security.netapp.com
[PATCH 5.4 061/141] pNFS/flexfiles: fix incorrect size check in decode_nfs_fh() - Greg Kroah-Hartman	MISC	lore.kernel.org
2034342 – (CVE-2021-4157) CVE-2021-4157 kernel: Buffer overwrite in decode_nfs_fh function	MISC	bugzilla.redhat.com
[PATCH 5.4 061/141] pNFS/flexfiles: fix incorrect size check in decode_nfs_fh() - Greg Kroah-Hartman		lore.kernel.org
Oracle Critical Patch Update Advisory - July 2022	N/A	www.oracle.com
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

159777 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2022-9348)
159825 Oracle Enterprise Linux Security Update for kernel (ELSA-2022-1988)
180573 Debian Security Update for linux (CVE-2021-4157)
240275 Red Hat Update for kernel-rt (RHSA-2022:1975)
240298 Red Hat Update for kernel security (RHSA-2022:1988)
377053 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX2-SA-2022:0028)
390261 Oracle Managed Virtualization (VM) Server for x86 Security Update for kernel (OVMSA-2022-0014)
671380 EulerOS Security Update for kernel (EulerOS-SA-2022-1292)
671436 EulerOS Security Update for kernel (EulerOS-SA-2022-1352)
671474 EulerOS Security Update for kernel (EulerOS-SA-2022-1429)
671543 EulerOS Security Update for kernel (EulerOS-SA-2022-1475)
671561 EulerOS Security Update for kernel (EulerOS-SA-2022-1523)
671703 EulerOS Security Update for kernel (EulerOS-SA-2022-1735)
752340 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2377-1)
752340 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2377-1)

752349 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2382-1)
752354 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2393-1)
752359 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2411-1)
752360 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2407-1)
752363 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2423-1)
752364 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2422-1)
752391 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2549-1)
752463 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2809-1)
753271 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2424-1)
753362 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2376-1)
900792 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9264)
901312 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9264-1)
906046 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9264-2)
940517 AlmaLinux Security Update for kernel (ALSA-2022:1988)

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