CVE-2021-4197

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Summary

CVE	CVE-2021-4197
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-03-23 20:15:00 UTC
Updated	2023-11-07 03:40:00 UTC
Description	An unprivileged write to the file handler flaw in the Linux kernel's control groups and namespaces subsystem was found in t

Risk And Classification

Problem Types: CWE-287

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Broadcom	Brocade Fabric Operating System Firmware	-	All	All	All
Operating System	Debian	Debian Linux	10.0	All	All	All
Application	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
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
[PATCHSET cgroup/for-5.16-fixes] cgroup: Use open-time creds and namespace for migration perm checks	
Debian -- Security Information -- DSA-5127-1 linux	DEBIAN
CVE-2021-4197 Linux Kernel Vulnerability in NetApp Products | NetApp Product Security	CONFIRM
Debian -- Security Information -- DSA-5173-1 linux	DEBIAN
[PATCHSET cgroup/for-5.16-fixes] cgroup: Use open-time creds and namespace for migration perm checks	MISC
2035652 – (CVE-2021-4197) CVE-2021-4197 kernel: cgroup: Use open-time creds and namespace for migration perm checks	MISC
Oracle Critical Patch Update Advisory - July 2022	N/A
CVE Program record	CVE.ORG
NVD vulnerability detail	NVD

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

- 159825 Oracle Enterprise Linux Security Update for kernel (ELSA-2022-1988)
- 159896 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2022-9479)
- 159899 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel-container (ELSA-2022-9480)
- 179258 Debian Security Update for linux (DSA 5127-1)
- 180605 Debian Security Update for linux (DSA 5173-1)
- 181945 Debian Security Update for linux (CVE-2021-4197)
- 198659 Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-5278-1)
- 198708 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5337-1)
- 198731 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5368-1)
- 198824 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5467-1)
- 198858 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5515-1)
- 240275 Red Hat Update for kernel-rt (RHSA-2022:1975)
- 240298 Red Hat Update for kernel security (RHSA-2022:1988)
- 240544 Red Hat Update for kernel-rt (RHSA-2022:5633)
- 240545 Red Hat Update for kernel (RHSA-2022:5626)
- 282240 Fedora Security Update for kernel (FEDORA-2022-d918ad60e5)

282241 Fedora Security Update for kernel (FEDORA-2022-ade480f201)

353184 Amazon Linux Security Advisory for kernel : ALAS-2022-1571

353189 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.4-2022-023

353190 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.10-2022-011

353195 Amazon Linux Security Advisory for kernel : ALAS2-2022-1761

376925 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2022:0125)

377124 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2022:0029)

6140363 AWS Bottlerocket Security Update for kernel (GHSA-5536-w268-777r)

671448 EulerOS Security Update for kernel (EulerOS-SA-2022-1450)

671474 EulerOS Security Update for kernel (EulerOS-SA-2022-1429)

671505 EulerOS Security Update for kernel (EulerOS-SA-2022-1489)

671535 EulerOS Security Update for kernel (EulerOS-SA-2022-1508)

671611 EulerOS Security Update for kernel (EulerOS-SA-2022-1537)

671703 EulerOS Security Update for kernel (EulerOS-SA-2022-1735)

751654 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:0197-1)

751657 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2022:0198-1)

751666 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2022:0169-1)

751695 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:0367-1)

751696 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:0364-1)

751697 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:0366-1)

751698 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:0362-1)

751701 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2022:0366-1)

751702 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:0371-1)

751703 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:0372-1)

751993 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:0198-1)

753194 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:0288-1)

753267 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:0169-1)

753462 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:0289-1)

900777 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9138)

901915 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9141)

902012 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9138-1)

902096 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9141-1)

905833 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9138-2)

906384 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9141-2)

940517 AlmaLinux Security Update for kernel (ALSA-2022:1988)