CVE-2019-19922

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Summary

CVE	CVE-2019-19922
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2019-12-22 20:15:00 UTC
Updated	2022-12-14 19:15:00 UTC
Description	kernel/sched/fair.c in the Linux kernel before 5.3.9, when cpu.cfs_quota_us is used (e.g., with Kubernetes), allows attackers

Risk And Classification

Problem Types: CWE-400

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Canonical	Ubuntu Linux	18.04	All	All	All
Operating System	Canonical	Ubuntu Linux	19.04	All	All	All
Operating System	Debian	Debian Linux	8.0	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Application	Netapp	Active Iq Unified Manager	-	All	All	All
Hardware	Netapp	Aff Baseboard Management Controller	a700	All	All	All
Application	Netapp	Cloud Backup	-	All	All	All
Application	Netapp	Data Availability Services	-	All	All	All
Application	Netapp	E-series Santricity Os Controller	All	All	All	All
Application	Netapp	Fas/aff Baseboard Management Controller	-	All	All	All
Application	Netapp	Hci Baseboard Management Controller	h610s	All	All	All
Hardware	Netapp	Solidfire Baseboard Management Controller	-	All	All	All
Application	Netapp	Solidfire Hci Management Node	-	All	All	All
Application	Netapp	Steelstore Cloud Integrated Storage	-	All	All	All
Application	Oracle	Sd-wan Edge	8.2	All	All	All

References

Reference	Source	Link
CFS quotas can lead to unnecessary throttling · Issue #67577 · kubernetes/kubernetes · GitHub	MISC	github.com
January 2020 Linux Kernel Vulnerabilities in NetApp Products | NetApp Product Security	CONFIRM	security.netapp.com
USN-4226-1: Linux kernel vulnerabilities | Ubuntu security notices | Ubuntu	UBUNTU	usn.ubuntu.com
sched/fair: Fix low cpu usage with high throttling by removing expira… · torvalds/linux@de53fd7 · GitHub	MISC	github.com
cdn.kernel.org/pub/linux/kernel/v5.x/ChangeLog-5.3.9	MISC	cdn.kernel.org
[SECURITY] [DLA 2068-1] linux security update	MLIST	lists.debian.org
kernel/git/torvalds/linux.git - Linux kernel source tree	MISC	git.kernel.org
The Kernel Change That May Be Slowing Down Your App – Repeatable Systems	MISC	relistan.com
Oracle Critical Patch Update Advisory - April 2021	MISC	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.

There are currently no legacy QID mappings associated with this CVE.