



CVE-2022-2590

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

Summary

CVE	CVE-2022-2590
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-08-31 16:15:00 UTC
Updated	2023-05-26 19:42:00 UTC
Description	A race condition was found in the way the Linux kernel's memory subsystem handled the copy-on-write (COW) breakage of

Risk And Classification

Problem Types: CWE-362

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	All	All	All	All

References

Reference	Source	Link
[PATCH v1] mm/gup: fix FOLL_FORCE COW security issue and remove FOLL_COW - David Hildenbrand	MISC	lore.kernel.org
[PATCH v1] mm/gup: fix FOLL_FORCE COW security issue and remove FOLL_COW - David Hildenbrand	MISC	lore.kernel.org
oss-security - CVE-2022-2590: Linux kernel: Modifying shmem/tmpfs files without write permissions	MISC	www.openwall.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

[182374](#) Debian Security Update for linux (CVE-2022-2590)

[199334](#) Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-6071-1)

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