CVE-2021-4001

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Summary

CVE	CVE-2021-4001
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-01-21 19:15:00 UTC
Updated	2022-11-16 03:36:00 UTC
Description	A race condition was found in the Linux kernel's ebpf verifier between bpf_map_update_elem and bpf_map_freeze due to a

Risk And Classification

Problem Types: CWE-367

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	5.16	rc1	All	All
Operating System	Linux	Linux Kernel	All	All	All	All

References

Reference	Source	Link	Tags
kernel/git/bpf/bpf.git - BPF kernel tree	MISC	git.kernel.org	
2025645 – (CVE-2021-4001) CVE-2021-4001 kernel: race condition when the EBPF map is frozen	MISC	bugzilla.redhat.com	
CVE Program record	CVE.ORG	www.cve.org	canor
NVD vulnerability detail	NVD	nvd.nist.gov	canor

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

180355 Debian Security Update for linux (CVE-2021-4001)

198616 Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-5207-1)

198653 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5265-1)

198659 Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-5278-1)

199804 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6417-1)

282087 Fedora Security Update for kernel (FEDORA-2021-c0dc424b7d)

282133 Fedora Security Update for kernel (FEDORA-2021-19ad835cb3)

353141 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.4-2022-010

353152 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.10-2022-008

751590 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2022:0056-1)

751622 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2022:0131-1)

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

751989 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:0131-1)

753132 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 2 for SLE 15 SP3) (SUSE-SU-2022:0978-1)

753133 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:0181-1)

753264 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:0079-1)

753355 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:0056-1)

753487 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 10 for SLE 15 SP3) (SUSE-SU-2022:0984-1)

900617 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (8322)

905851 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (8322-1)