# CVE-2022-29582

MITRE | NVD | CVE.ORG | JSON API | Print: PDF

## Summary

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|---|---|
| **CVE** | CVE-2022-29582 |
| **State** | PUBLIC |
| **Assigner** | cve@mitre.org |
| **Source Priority** | CVE Program / NVD first with legacy fallback |
| **Published** | 2022-04-22 16:15:00 UTC |
| **Updated** | 2023-08-08 14:21:00 UTC |
| **Description** | In the Linux kernel before 5.17.3, fs/io_uring.c has a use-after-free due to a race condition in io_uring timeouts. This can be |

## Risk And Classification

**Problem Types:** CWE-362

## NVD Known Affected Configurations (CPE 2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|---|---|---|---|---|---|---|
| Operating System | Debian | Debian Linux | 11.0 | All | All | All |
| Operating System | Linux | Linux Kernel | All | All | All | All |

## References

| Reference | Source | Link |
|---|---|---|
| GitHub - Ruia-ruia/CVE-2022-29582-Exploit: Exploit for CVE-2022-29582 targeting Google's Kernel CTF | MISC | github.com |
| Debian -- Security Information -- DSA-5127-1 linux | DEBIAN | www.debian.org |
| oss-security - Re: Linux: UaF due to concurrency issue in io_uring timeouts | MLIST | www.openwall.com |
| kernel/git/torvalds/linux.git - Linux kernel source tree | MISC | git.kernel.org |
| cdn.kernel.org/pub/linux/kernel/v5.x/ChangeLog-5.17.3 | MISC | cdn.kernel.org |
| oss-security - Linux: UaF due to concurrency issue in io_uring timeouts | MISC | www.openwall.com |
| CVE-2022-29582 - Computer security and related topics | MISC | ruia-ruia.github.io |
| io_uring: fix race between timeout flush and removal · torvalds/linux@e677edb · GitHub | MISC | github.com |
| oss-security - Re: Linux: UaF due to concurrency issue in io_uring timeouts | MLIST | 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

- 179258 Debian Security Update for linux (DSA 5127-1)
- 184513 Debian Security Update for linux (CVE-2022-29582)
- 353964 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.15-2022-001
- 354327 Amazon Linux Security Advisory for kernel : ALAS2022-2022-083
- 354407 Amazon Linux Security Advisory for kernel-livepatch : ALAS2022-2022-101
- 354468 Amazon Linux Security Advisory for kernel : ALAS2022-2022-185
- 354542 Amazon Linux Security Advisory for kernel : ALAS-2022-185
- 355199 Amazon Linux Security Advisory for kernel : ALAS2023-2023-070
- 355563 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.10-2023-036
- 355565 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.15-2023-023
- 376925 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2022:0125)
- 610429 Google Android Devices September 2022 Security Patch Missing
- 610438 Google Android October 2022 Security Patch Missing for Samsung
- 6140283 AWS Bottlerocket Security Update for kernel (GHSA-c8fm-mqg3-x5j8)
- 671975 EulerOS Security Update for kernel (EulerOS-SA-2022-2159)
- 752370 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2520-1)
- 753148 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:2615-1)
- 901291 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9620)
- 901857 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9582)
- 902008 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9620-1)
- 902106 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9582-1)
- 906176 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9620-2)
- 906402 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (9582-2)

**Free CVE JSON API** cve.report/api

**CVE.report and Source URL Uptime Status status.cve.report**