# CVE-2023-0045

MITRE | NVD | CVE.ORG | Print: PDF

## Summary

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|---|---|
| **CVE** | CVE-2023-0045 |
| **State** | PUBLIC |
| **Assigner** | security@google.com |
| **Source Priority** | CVE Program / NVD first with legacy fallback |
| **Published** | 2023-04-25 23:15:00 UTC |
| **Updated** | 2023-08-11 19:53:00 UTC |
| **Description** | The current implementation of the prctl syscall does not issue an IBPB immediately during the syscall. The ib_prctl_set fun |

## Risk And Classification

**Problem Types:** CWE-610

## NVD Known Affected Configurations (CPE 2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|---|---|---|---|---|---|---|
| Operating System | Debian | Debian Linux | 10.0 | All | All | All |
| Operating System | Linux | Linux Kernel | All | All | All | All |
| Application | Netapp | Active Iq Unified Manager | - | 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 |

## References

| Reference | Source | Link |
|---|---|---|
| Linux Kernel: Bypassing Spectre-BTI User Space Mitigations · Advisory · google/security-research · GitHub | MISC | github.com |

| | | |
|---|---|---|
| 403 Forbidden | MISC | security.netapp.co |
| kernel/git/tip/tip.git - Unnamed repository; edit this file 'description' to name the repository. | MISC | git.kernel.org |
| [SECURITY] [DLA 3403-1] linux security update | MISC | lists.debian.org |
| [SECURITY] [DLA 3404-1] linux-5.10 security update | MISC | lists.debian.org |
| 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

181765 Debian Security Update for linux-5.10 (DLA 3404-1)

181768 Debian Security Update for linux (DLA 3403-1)

183815 Debian Security Update for linux (CVE-2023-0045)

199207 Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-5914-1)

199208 Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-5915-1)

199210 Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-5913-1)

199212 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5917-1)

199218 Ubuntu Security Notification for Linux kernel (Azure) Vulnerabilities (USN-5927-1)

199224 Ubuntu Security Notification for Linux kernel (Raspberry Pi) Vulnerabilities (USN-5934-1)

199226 Ubuntu Security Notification for Linux kernel (GCP) Vulnerabilities (USN-5939-1)

199230 Ubuntu Security Notification for Linux kernel (Raspberry Pi) Vulnerabilities (USN-5940-1)

199239 Ubuntu Security Notification for Linux kernel (IBM) Vulnerabilities (USN-5951-1)

199251 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5970-1)

199258 Ubuntu Security Notification for Linux kernel (HWE) Vulnerabilities (USN-5979-1)

199260 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5982-1)

199261 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5984-1)

199265 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5987-1)

199267 Ubuntu Security Notification for Linux kernel (GCP) Vulnerabilities (USN-5991-1)

199276 Ubuntu Security Notification for Linux kernel (BlueField) Vulnerabilities (USN-6000-1)

199280 Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-6004-1)

199300 Ubuntu Security Notification for Linux kernel (Qualcomm Snapdragon) Vulnerabilities (USN-6030-1)

199502 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5975-1)

199541 Ubuntu Security Notification for Linux kernel (Azure) Vulnerabilities (USN-5924-1)

199555 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5926-1)

199570 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5981-1)

199587 Ubuntu Security Notification for Linux kernel (GCP) Vulnerabilities (USN-6009-1)

199590 Ubuntu Security Notification for Linux kernel (AWS) Vulnerabilities (USN-5884-1)

354775 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.4-2023-042

378701 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX2-SA-2023:0030)

378710 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2023:0079)

379043 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2023:0136)

673005 EulerOS Security Update for kernel (EulerOS-SA-2023-1873)

673017 EulerOS Security Update for kernel (EulerOS-SA-2023-1978)

673047 EulerOS Security Update for kernel (EulerOS-SA-2023-1956)

673121 EulerOS Security Update for kernel (EulerOS-SA-2023-2296)

673157 EulerOS Security Update for kernel (EulerOS-SA-2023-2272)

753743 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:0618-1)

753745 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:0634-1)

753807 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:0768-1)

753808 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:0778-1)

753810 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:0780-1)

753832 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:0852-1)

755842 SUSE Enterprise Linux Security Update for the linux kernel (SUSE-SU-2023:0774-1)

755851 SUSE Enterprise Linux Security Update for the linux kernel (SUSE-SU-2023:2646-1)

755900 SUSE Enterprise Linux Security Update for the Linux-RT Kernel (SUSE-SU-2023:0488-1)

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