# CVE-2019-12817

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

## Summary

| | |
|---|---|
| **CVE** | CVE-2019-12817 |
| **State** | PUBLIC |
| **Assigner** | cve@mitre.org |
| **Source Priority** | CVE Program / NVD first with legacy fallback |
| **Published** | 2019-06-25 12:15:00 UTC |
| **Updated** | 2023-11-07 03:03:00 UTC |
| **Description** | arch/powerpc/mm/mmu_context_book3s64.c in the Linux kernel before 5.1.15 for powerpc has a bug where unrelated proc |

## Risk And Classification

**Problem Types:** CWE-787

## 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 | 18.10 | All | All | All |
| Operating System | Canonical | Ubuntu Linux | 19.04 | All | All | All |
| Operating System | Canonical | Ubuntu Linux | 18.04 | All | All | All |
| Operating System | Canonical | Ubuntu Linux | 18.10 | All | All | All |
| Operating System | Canonical | Ubuntu Linux | 19.04 | All | All | All |
| Operating System | Debian | Debian Linux | 10.0 | All | All | All |
| Operating System | Debian | Debian Linux | 9.0 | All | All | All |
| Operating System | Fedoraproject | Fedora | 29 | All | All | All |
| Operating System | Fedoraproject | Fedora | 30 | All | All | All |
| Operating System | Linux | Linux Kernel | All | All | All | All |
| Operating System | Linux | Linux Kernel | All | All | All | All |
| Operating System | Opensuse | Leap | 15.1 | All | All | All |
| Operating System | Redhat | Enterprise Linux | 8.0 | All | All | All |
| Operating System | Redhat | Enterprise Linux Eus | 8.1 | All | All | All |
| Operating System | Redhat | Enterprise Linux Eus | 8.2 | All | All | All |
| Operating System | Redhat | Enterprise Linux Eus | 8.4 | All | All | All |

| | | | | | | |
|---|---|---|---|---|---|---|
| Operating System | Redhat | Enterprise Linux Server Aus | 8.2 | All | All | All |
| Operating System | Redhat | Enterprise Linux Server Aus | 8.4 | All | All | All |
| Operating System | Redhat | Enterprise Linux Server Tus | 8.2 | All | All | All |
| Operating System | Redhat | Enterprise Linux Server Tus | 8.4 | All | All | All |

## References

| Reference | Sour |
|---|---|
| Debian -- Security Information -- DSA-4495-1 linux | DEBI |
| support.f5.com/csp/article/K12876166 | CON |
| cdn.kernel.org/pub/linux/kernel/v5.x/ChangeLog-5.1.15 | CON |
| Bugtraq: [SECURITY] [DSA 4495-1] linux security update | BUG |
| oss-security - CVE-2019-12817: Linux kernel: powerpc: Unrelated processes may be able to read/write to each other's virtual memory | MLIS |
| [SECURITY] Fedora 30 Update: kernel-headers-5.1.15-300.fc30 - package-announce - Fedora Mailing-Lists | |
| [SECURITY] Fedora 30 Update: kernel-headers-5.1.15-300.fc30 - package-announce - Fedora Mailing-Lists | FED |
| support.f5.com/csp/article/K12876166 | CON |
| USN-4031-1: Linux kernel vulnerability \| Ubuntu security notices | UBU |
| [security-announce] openSUSE-SU-2019:1757-1: important: Security update | SUS |
| Red Hat Customer Portal | RED |
| [SECURITY] Fedora 29 Update: kernel-5.1.15-200.fc29 - package-announce - Fedora Mailing-Lists | FED |
| [SECURITY] Fedora 29 Update: kernel-5.1.15-200.fc29 - package-announce - Fedora Mailing-Lists | |
| myF5 | |
| Linux kernel CVE-2019-12817 Local Privilege Escalation Vulnerability | BID |
| kernel/git/torvalds/linux.git - Linux kernel source tree | MISC |
| CVE Program record | CVE. |
| NVD vulnerability detail | NVD |

No vendor comments have been submitted for this CVE.

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

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

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