# CVE-2018-18445

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

## Summary

| | |
|---|---|
| **CVE** | CVE-2018-18445 |
| **State** | PUBLIC |
| **Assigner** | cve@mitre.org |
| **Source Priority** | CVE Program / NVD first with legacy fallback |
| **Published** | 2018-10-17 19:29:00 UTC |
| **Updated** | 2023-01-17 21:34:00 UTC |
| **Description** | In the Linux kernel 4.14.x, 4.15.x, 4.16.x, 4.17.x, and 4.18.x before 4.18.13, faulty computation of numeric bounds in the BP |

## Risk And Classification

**Problem Types:** CWE-125

## NVD Known Affected Configurations (CPE 2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|---|---|---|---|---|---|---|
| Operating System | Canonical | Ubuntu Linux | 14.04 | All | All | All |
| Operating System | Canonical | Ubuntu Linux | 16.04 | 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 | 14.04 | All | All | All |
| Operating System | Canonical | Ubuntu Linux | 16.04 | 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 | Linux | Linux Kernel | All | All | All | All |
| Operating System | Linux | Linux Kernel | All | All | All | All |
| Operating System | Linux | Linux Kernel | All | All | All | All |
| Operating System | Linux | Linux Kernel | All | All | All | All |
| Operating System | Linux | Linux Kernel | All | All | All | All |
| Operating System | Redhat | Enterprise Linux Desktop | 7.0 | All | All | All |
| Operating System | Redhat | Enterprise Linux Desktop | 7.0 | All | All | All |
| Operating System | Redhat | Enterprise Linux Server | 7.0 | All | All | All |
| Operating System | Redhat | Enterprise Linux Server | 7.6 | All | All | All |

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|---|---|---|---|---|---|---|
| Operating System | Redhat | Enterprise Linux Server | 7.0 | All | All | All |
| Operating System | Redhat | Enterprise Linux Server | 7.6 | All | All | All |
| Operating System | Redhat | Enterprise Linux Server Aus | 7.6 | All | All | All |
| Operating System | Redhat | Enterprise Linux Server Aus | 7.6 | All | All | All |
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| Operating System | Redhat | Enterprise Linux Server Tus | 7.6 | All | All | All |
| Operating System | Redhat | Enterprise Linux Server Tus | 7.6 | All | All | All |
| Operating System | Redhat | Enterprise Linux Workstation | 7.0 | All | All | All |
| Operating System | Redhat | Enterprise Linux Workstation | 7.0 | All | All | All |

## References

| Reference | Source | Link | Ta |
|---|---|---|---|
| USN-3847-3: Linux kernel (Azure) vulnerabilities \| Ubuntu security notices \| Ubuntu | UBUNTU | usn.ubuntu.com | Thi |
| USN-3832-1: Linux kernel (AWS) vulnerabilities \| Ubuntu security notices | UBUNTU | usn.ubuntu.com | Thi |
| USN-3835-1: Linux kernel vulnerabilities \| Ubuntu security notices | UBUNTU | usn.ubuntu.com | Thi |
| Red Hat Customer Portal | REDHAT | access.redhat.com | Thi |
| bpf: 32-bit RSH verification must truncate input before the ALU op · torvalds/linux@b799207 · GitHub | MISC | github.com | Pa |
| Red Hat Customer Portal | REDHAT | access.redhat.com | Thi |
| cdn.kernel.org/pub/linux/kernel/v4.x/ChangeLog-4.18.13 | MISC | cdn.kernel.org | Pa |
| USN-3847-1: Linux kernel vulnerabilities \| Ubuntu security notices \| Ubuntu | UBUNTU | usn.ubuntu.com | Thi |
| support.f5.com/csp/article/K38456756 | CONFIRM | support.f5.com | |
| 1686 - project-zero - Project Zero - Monorail | MISC | bugs.chromium.org | Iss |
| USN-3847-2: Linux kernel (HWE) vulnerabilities \| Ubuntu security notices \| Ubuntu | UBUNTU | usn.ubuntu.com | Thi |
| kernel/git/torvalds/linux.git - Linux kernel source tree | MISC | git.kernel.org | Pa |
| cdn.kernel.org/pub/linux/kernel/v4.x/ChangeLog-4.14.75 | MISC | cdn.kernel.org | Pa |
| CVE Program record | CVE.ORG | www.cve.org | ca |
| NVD vulnerability detail | NVD | nvd.nist.gov | ca |

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**