# CVE-2017-2584

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

## Summary

| | |
|---|---|
| **CVE** | CVE-2017-2584 |
| **State** | PUBLISHED |
| **Assigner** | redhat |
| **Source Priority** | CVE Program / NVD first with legacy fallback |
| **Published** | 2017-01-15 02:59:02 UTC |
| **Updated** | 2025-04-20 01:37:25 UTC |
| **Description** | arch/x86/kvm/emulate.c in the Linux kernel through 4.9.3 allows local users to obtain sensitive information from kernel mem |

## Risk And Classification

**Primary CVSS:** v3.0 7.1 HIGH from nvd@nist.gov

CVSS:3.0/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:N/A:H

**Problem Types:** CWE-200 | CWE-416 | n/a

| Version | Source | Type | Score | Severity | Vector |
|---|---|---|---|---|---|
| 3.0 | nvd@nist.gov | Primary | 7.1 | HIGH | CVSS:3.0/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:N/A:H |
| 2.0 | nvd@nist.gov | Primary | 3.6 | | AV:L/AC:L/Au:N/C:P/I:N/A:P |

## CVSS v3.0 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

None

Availability

High

CVSS:3.0/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:N/A:H

## CVSS v2.0 Breakdown

Access Vector

Local

Access Complexity

Low

Authentication

None

Confidentiality

Partial

Integrity

None

Availability

Partial

AV:L/AC:L/Au:N/C:P/I:N/A:P

## NVD Known Affected Configurations (CPE 2.3)

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

## Vendor Declared Affected Products

| Source | Vendor | Product | Version | Platforms |
|---|---|---|---|---|
| CNA | Na | N/a | affected n/a | Not specified |

## References

| Reference |
|---|
| KVM: x86: Introduce segmented_write_std · torvalds/linux@129a72a · GitHub |
| Bug 1413001 – CVE-2017-2584 Kernel: kvm: use after free in complete_emulated_mmio |
| Linux Kernel Use-After-Free Memory Error in complete_emulated_mmio() Lets Local Users on a Guest System Cause Denial of Service Cond |
| USN-3754-1: Linux kernel vulnerabilities \| Ubuntu security notices \| Ubuntu |
| kernel/git/torvalds/linux.git - Linux kernel source tree |
| Debian -- Security Information -- DSA-3791-1 linux |
| Linux Kernel CVE-2017-2584 Denial of Service Vulnerability |
| oss-security - CVE-2017-2584 Kernel: kvm: use after free in complete_emulated_mmio |
| CVE Program record |
| NVD vulnerability detail |

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**