# CVE-2014-8369

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

## Summary

| | |
|---|---|
| **CVE** | CVE-2014-8369 |
| **State** | PUBLISHED |
| **Assigner** | mitre |
| **Source Priority** | CVE Program / NVD first with legacy fallback |
| **Published** | 2014-11-10 11:55:08 UTC |
| **Updated** | 2026-05-06 22:30:45 UTC |
| **Description** | The kvm_iommu_map_pages function in virt/kvm/iommu.c in the Linux kernel through 3.17.2 miscalculates the number of p |

## Risk And Classification

**Primary CVSS:** v3.1 7.8 HIGH from nvd@nist.gov

CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H

**Problem Types:** CWE-119 | n/a

| Version | Source | Type | Score | Severity | Vector |
|---|---|---|---|---|---|
| 3.1 | nvd@nist.gov | Primary | 7.8 | HIGH | CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H |
| 2.0 | nvd@nist.gov | Primary | 4.6 | | AV:L/AC:L/Au:N/C:P/I:P/A:P |

## CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H

## CVSS v2.0 Breakdown

Access Vector

Local

Access Complexity

Low

Authentication

None

Confidentiality

Partial

Integrity

Partial

Availability

Partial

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

## NVD Known Affected Configurations (CPE 2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|---|---|---|---|---|---|---|
| Operating System | Debian | Debian Linux | 7.0 | All | All | All |
| Operating System | Linux | Linux Kernel | All | All | All | All |
| Operating System | Opensuse | Evergreen | 11.4 | All | All | All |
| Operating System | Suse | Linux Enterprise Real Time Extension | 11 | sp3 | All | All |
| Operating System | Suse | Suse Linux Enterprise Server | 11 | sp2 | All | All |

## Vendor Declared Affected Products

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

## References

| Reference | Source |
|---|---|
| Bug 1156518 – CVE-2014-8369 kernel: kvm: excessive pages un-pinning in kvm_iommu_map error path | af854a3a-2127-422b-91ae-364d |
| Security Advisory SA62336 - Ubuntu update for kernel - Secunia | af854a3a-2127-422b-91ae-364d |
| [security-announce] SUSE-SU-2015:0736-1: important: Security update for | af854a3a-2127-422b-91ae-364d |
| kvm: fix excessive pages un-pinning in kvm_iommu_map error path. · torvalds/linux@3d32e4d · GitHub | af854a3a-2127-422b-91ae-364d |
| Linux Kernel KVM CVE-2014-8369 Denial of Service Vulnerability | af854a3a-2127-422b-91ae-364d |
| kernel/git/torvalds/linux.git - Linux kernel source tree | af854a3a-2127-422b-91ae-364d |

| | |
|---|---|
| Red Hat Customer Portal | af854a3a-2127-422b-91ae-364d |
| [security-announce] SUSE-SU-2015:0481-1: important: Security update for | af854a3a-2127-422b-91ae-364d |
| [security-announce] openSUSE-SU-2015:0566-1: important: kernel update fo | af854a3a-2127-422b-91ae-364d |
| Debian -- Security Information -- DSA-3093-1 linux | af854a3a-2127-422b-91ae-364d |
| LKML: Paolo Bonzini: [PATCH 13/14] kvm: fix excessive pages un-pinning in kvm_iommu_map error path. | af854a3a-2127-422b-91ae-364d |
| oss-security - CVE-2014-8369 - Linux kernel iommu.c excessive unpinning | af854a3a-2127-422b-91ae-364d |
| Security Advisory SA62326 - Ubuntu update for kernel - Secunia | af854a3a-2127-422b-91ae-364d |
| Linux Kernel KVM 'virt/kvm/iommu.c' Incomplete Fix Denial of Service Vulnerability | af854a3a-2127-422b-91ae-364d |
| kernel/git/torvalds/linux.git - Linux kernel source tree | MITRE |
| CVE Program record | CVE.ORG |
| NVD vulnerability detail | NVD |

No vendor comments have been submitted for this CVE.

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

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

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