



# CVE-2014-0049

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF](#)

## Summary

<b>CVE</b>	CVE-2014-0049
<b>State</b>	PUBLISHED
<b>Assigner</b>	redhat
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2014-03-11 13:01:06 UTC
<b>Updated</b>	2026-05-06 22:30:45 UTC
<b>Description</b>	Buffer overflow in the complete_emulated_mmio function in arch/x86/kvm/x86.c in the Linux kernel before 3.13.6 allows guest

## Risk And Classification

**Primary CVSS:** v2.0 7.4 from nvd@nist.gov

AV:A/AC:M/Au:S/C:C/I:C/A:C

**Problem Types:** CWE-120 | n/a

## CVSS v2.0 Breakdown

Access Vector

Adjacent

Access Complexity

Medium

Authentication

Single

Confidentiality

Complete

Integrity

Complete

Availability

Complete

AV:A/AC:M/Au:S/C:C/I:C/A:C

## 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	Source
oss-security - CVE-2014-0049 -- Linux kernel: kvm: mmio_fragments out-of-the-bounds access	af854a3a-2127-422b-91ae-364da2661108
git.kernel.org	af854a3a-2127-422b-91ae-364da2661108
Bug 1062368 – CVE-2014-0049 kernel: kvm: mmio_fragments out-of-the-bounds access	af854a3a-2127-422b-91ae-364da2661108
www.kernel.org/pub/linux/kernel/v3.x/ChangeLog-3.13.6	af854a3a-2127-422b-91ae-364da2661108
kvm: x86: fix emulator buffer overflow (CVE-2014-0049) · torvalds/linux@a08d3b3 · GitHub	af854a3a-2127-422b-91ae-364da2661108
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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