



CVE-2014-3611

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

Summary

CVE	CVE-2014-3611
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2014-11-10 11:55:06 UTC
Updated	2026-05-06 22:30:45 UTC
Description	Race condition in the __kvm_migrate_pit_timer function in arch/x86/kvm/i8254.c in the KVM subsystem in the Linux kernel

Risk And Classification

Primary CVSS: v3.1 4.7 MEDIUM from nvd@nist.gov

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

Problem Types: CWE-362 | n/a

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	4.7	MEDIUM	CVSS:3.1/AV:L/AC:H/PR:L/UI:N/S:U/C:N/I:N/A:H
2.0	nvd@nist.gov	Primary	4.7		AV:L/AC:M/Au:N/C:N/I:N/A:C

CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

High

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

None

Availability

High

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

CVSS v2.0 Breakdown

Access Vector

Local

Access Complexity

Medium

Authentication

None

Confidentiality

None

Integrity

None

Availability

Complete

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

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Canonical	Ubuntu Linux	10.04	All	All	All
Operating System	Canonical	Ubuntu Linux	12.04	All	All	All
Operating System	Debian	Debian Linux	7.0	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Redhat	Enterprise Linux	5.0	All	All	All

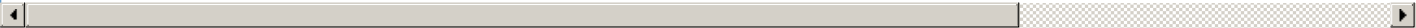
Vendor Declared Affected Products

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

References

Reference	Source	Link
USN-2491-1: Linux kernel (EC2) vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-364da2661108	www.ubuntu.com
USN-2418-1: Linux kernel (OMAP4) vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-364da2661108	www.ubuntu.com
oss-security - kvm issues	af854a3a-2127-422b-91ae-364da2661108	www.openwall.com
Bug 1144878 – CVE-2014-3611 kernel: kvm: PIT timer race condition	af854a3a-2127-422b-91ae-364da2661108	bugzilla.redhat.com
Debian -- Security Information -- DSA-3060-1 linux	af854a3a-2127-422b-91ae-364da2661108	www.debian.org
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2661108	rhn.redhat.com

kernel/git/torvalds/linux.git - Linux kernel source tree	af854a3a-2127-422b-91ae-364da2661108	git.kernel.org
KVM: x86: Improve thread safety in pit · torvalds/linux@2febc83 · GitHub	af854a3a-2127-422b-91ae-364da2661108	github.com
USN-2417-1: Linux kernel vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-364da2661108	www.ubuntu.com
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2661108	rhn.redhat.com
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2661108	rhn.redhat.com
USN-2394-1: Linux kernel (Trusty HWE) vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-364da2661108	www.ubuntu.com
kernel/git/torvalds/linux.git - Linux kernel source tree	MITRE	git.kernel.org
Red Hat Customer Portal	MITRE	access.redhat.com
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access.redhat.com CVE-2014-3611	MITRE	access.redhat.com
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov



No vendor comments have been submitted for this CVE.

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