



CVE-2014-8594

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

Summary

CVE	CVE-2014-8594
State	PUBLISHED
Assigner	mitre
Source Priority	CVE Program / NVD first with legacy fallback
Published	2014-11-19 18:59:10 UTC
Updated	2026-05-06 22:30:45 UTC
Description	The do_mmu_update function in arch/x86/mm.c in Xen 4.x through 4.4.x does not properly restrict updates to only PV page

Risk And Classification

Primary CVSS: v2.0 5.4 from nvd@nist.gov

AV:N/AC:H/Au:N/C:N/I:N/A:C

Problem Types: CWE-20 | n/a

CVSS v2.0 Breakdown

Access Vector

Network

Access Complexity

High

Authentication

None

Confidentiality

None

Integrity

None

Availability

Complete

AV:N/AC:H/Au:N/C:N/I:N/A:C

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	Opensuse	Opensuse	13.1	All	All	All
Operating System	Opensuse	Opensuse	13.2	All	All	All
Operating System	Xen	Xen	4.0.0	All	All	All
Operating System	Xen	Xen	4.0.1	All	All	All
Operating System	Xen	Xen	4.0.2	All	All	All
Operating System	Xen	Xen	4.0.3	All	All	All
Operating System	Xen	Xen	4.0.4	All	All	All
Operating System	Xen	Xen	4.1.0	All	All	All
Operating System	Xen	Xen	4.1.1	All	All	All
Operating System	Xen	Xen	4.1.2	All	All	All
Operating System	Xen	Xen	4.1.3	All	All	All
Operating System	Xen	Xen	4.1.4	All	All	All
Operating System	Xen	Xen	4.1.5	All	All	All
Operating System	Xen	Xen	4.1.6.1	All	All	All
Operating System	Xen	Xen	4.2.0	All	All	All
Operating System	Xen	Xen	4.2.1	All	All	All
Operating System	Xen	Xen	4.2.2	All	All	All
Operating System	Xen	Xen	4.2.3	All	All	All
Operating System	Xen	Xen	4.3.0	All	All	All
Operating System	Xen	Xen	4.3.1	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
Debian -- Security Information -- DSA-3140-1 xen	af854a3a-2127-422b-91ae-364da2661108	www.debian.org
Xen: Multiple vulnerabilities (GLSA 201504-04) — Gentoo security	af854a3a-2127-422b-91ae-364da2661108	security.gentoo.o
Xen MMU CVE-2014-8594 Local Security Bypass Vulnerability	af854a3a-2127-422b-91ae-364da2661108	www.securityfocu
IBM X-Force Exchange	af854a3a-2127-422b-91ae-364da2661108	exchange.xforce.
[security-announce] openSUSE-SU-2015:0226-1: important: Security update	af854a3a-2127-422b-91ae-364da2661108	lists.opensuse.or
XSA-109 - Xen Security Advisories	af854a3a-2127-422b-91ae-364da2661108	xenbits.xen.org
[security-announce] openSUSE-SU-2015:0256-1: important: Security update	af854a3a-2127-422b-91ae-364da2661108	lists.opensuse.or
Security Advisory SA62672 - Debian update for xen - Secunia	af854a3a-2127-422b-91ae-364da2661108	secunia.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.

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