



CVE-2015-7971

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CVE-2015-7971

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

Certain versions of [Xen](#) from [Xen](#) contain the following vulnerability:

Xen 3.2.x through 4.6.x does not limit the number of printk console messages when logging certain pmu and profiling hypercalls, which allows local guests to cause a denial of service via a sequence of crafted (1) HYPERCALL_xenoprof_op hypercalls, which are not properly handled in the do_xenoprof_op function in common/xenoprof.c, or (2) HYPERVISOR_xenpmu_op hypercalls, which are not properly handled in the do_xenpmu_op function in arch/x86/cpu/vpmu.c.

CVE-2015-7971 has been assigned by [M](#) cve@mitre.org to track the vulnerability

CVSS2 Score: **2.1 - LOW**

Access Vector	Access Complexity	Authentication
LOCAL	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
NONE	NONE	PARTIAL

CVE References

Description	Tags	Link
404 - Page not found	support.citrix.com text/html	CONFIRM support.citrix.com/article/CTX202404
[SECURITY] Fedora 21 Update: xen-4.4.3-7.fc21	lists.fedoraproject.org text/html	FEDORA FEDORA-2015-242be2c240
openSUSE-SU-2015:1965-1: moderate: Security update for xen	lists.opensuse.org text/html	SUSE openSUSE-SU-2015:1965
[SECURITY] Fedora 23 Update: xen-4.5.1-14.fc23	lists.fedoraproject.org text/html	FEDORA FEDORA-2015-a931b02be2
Debian -- Security Information -- DSA-3414-1 xen	www.debian.org Deprecated Link	DEBIAN DSA-3414

[text/html](#)

Xen: Multiple vulnerabilities (GLSA 201604-03) — Gentoo Security

[security.gentoo.org](#)[text/html](#) [GENTOO GLSA-201604-03](#)

[SECURITY] Fedora 22 Update: xen-4.5.1-14.fc22

[lists.fedoraproject.org](#)[text/html](#) [FEDORA FEDORA-2015-6f6b79efe2](#)

Xen CVE-2015-7971 Denial of Service Vulnerability

[cve.report \(archive\)](#)[text/html](#) [BID 77363](#)

Xen Hypercall Logging Lets Local Users on a Guest System Cause Denial of Service Conditions on the Host System - SecurityTracker

[www.securitytracker.com](#)[text/html](#) [SECTrack 1034035](#)

XSA-152 - Xen Security Advisories

[Vendor Advisory](#)[xenbits.xen.org](#)[text/html](#) [CONFIRM](#)
[xenbits.xen.org/xsa/advisory-152.html](#)

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Xen	Xen	3.2.0	All	All	All
Operating System	Xen	Xen	3.2.1	All	All	All
Operating System	Xen	Xen	3.2.2	All	All	All
Operating System	Xen	Xen	3.2.3	All	All	All
Operating System	Xen	Xen	3.3.0	All	All	All
Operating System	Xen	Xen	3.3.1	All	All	All
Operating System	Xen	Xen	3.3.2	All	All	All
Operating System	Xen	Xen	3.4.0	All	All	All
Operating System	Xen	Xen	3.4.1	All	All	All
Operating System	Xen	Xen	3.4.2	All	All	All
Operating System	Xen	Xen	3.4.3	All	All	All
Operating System	Xen	Xen	3.4.4	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
Operating System	Xen	Xen	4.3.2	All	All	All
Operating System	Xen	Xen	4.3.4	All	All	All
Operating System	Xen	Xen	4.4.0	All	All	All
Operating System	Xen	Xen	4.4.1	-	All	All
Operating System	Xen	Xen	4.5.0	All	All	All

Operating System	Xen	Xen	4.5.1	All	All	All
Operating System	Xen	Xen	4.6.0	All	All	All
Operating System	Xen	Xen	3.2.0	All	All	All
Operating System	Xen	Xen	3.2.1	All	All	All
Operating System	Xen	Xen	3.2.2	All	All	All
Operating System	Xen	Xen	3.2.3	All	All	All
Operating System	Xen	Xen	3.3.0	All	All	All
Operating System	Xen	Xen	3.3.1	All	All	All
Operating System	Xen	Xen	3.3.2	All	All	All
Operating System	Xen	Xen	3.4.0	All	All	All
Operating System	Xen	Xen	3.4.1	All	All	All
Operating System	Xen	Xen	3.4.2	All	All	All
Operating System	Xen	Xen	3.4.3	All	All	All
Operating System	Xen	Xen	3.4.4	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
Operating System	Xen	Xen	4.3.2	All	All	All
Operating System	Xen	Xen	4.3.4	All	All	All
Operating System	Xen	Xen	4.4.0	All	All	All
Operating System	Xen	Xen	4.4.1	-	All	All
Operating System	Xen	Xen	4.5.0	All	All	All
Operating System	Xen	Xen	4.5.1	All	All	All
Operating System	Xen	Xen	4.6.0	All	All	All
cpe:2.3:o:xen:xen:3.2.0:*:*:*:*:*:						
cpe:2.3:o:xen:xen:3.2.1:*:*:*:*:*:						
cpe:2.3:o:xen:xen:3.2.2:*:*:*:*:*:						
cpe:2.3:o:xen:xen:3.2.3:*:*:*:*:*:						
cpe:2.3:o:xen:xen:3.3.0:*:*:*:*:*:						
cpe:2.3:o:xen:xen:3.3.1:*:*:*:*:*:						
cpe:2.3:o:xen:xen:3.3.2:*:*:*:*:*:						
cpe:2.3:o:xen:xen:3.4.0:*:*:*:*:*:						

cpe:2.3:o:xen:xen:3.4.1:*****:
cpe:2.3:o:xen:xen:3.4.2:*****:
cpe:2.3:o:xen:xen:3.4.3:*****:
cpe:2.3:o:xen:xen:3.4.4:*****:
cpe:2.3:o:xen:xen:4.0.0:*****:
cpe:2.3:o:xen:xen:4.0.1:*****:
cpe:2.3:o:xen:xen:4.0.2:*****:
cpe:2.3:o:xen:xen:4.0.3:*****:
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cpe:2.3:o:xen:xen:4.2.2:*****:
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cpe:2.3:o:xen:xen:4.5.0:*****:
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cpe:2.3:o:xen:xen:4.6.0:*****:

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cpe:2.3:o:xen:xen:3.2.1:*****:
cpe:2.3:o:xen:xen:3.2.2:*****:
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cpe:2.3:o:xen:xen:4.3.2:*****:
cpe:2.3:o:xen:xen:4.3.4:*****:
cpe:2.3:o:xen:xen:4.4.0:*****:
cpe:2.3:o:xen:xen:4.4.1:-:*****:
cpe:2.3:o:xen:xen:4.5.0:*****:
cpe:2.3:o:xen:xen:4.5.1:*****:
cpe:2.3:o:xen:xen:4.6.0:*****:

No vendor comments have been submitted for this CVE

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