



CVE-2015-7972

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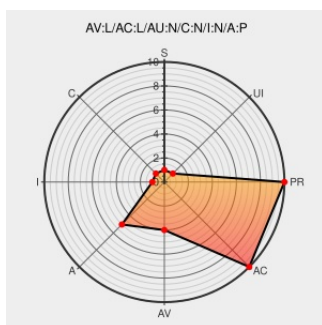
CVE-2015-7972

Source: Mitre

Source: NIST

CVE.ORG

Print: PDF



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

The (1) `libxl_set_memory_target` function in `tools/libxl/libxl.c` and (2) `libxl__build_post` function in `tools/libxl/libxl_dom.c` in Xen 3.4.x through 4.6.x do not properly calculate the balloon size when using the populate-on-demand (PoD) system, which allows local HVM guest users to cause a denial of service (guest crash) via unspecified vectors related to "heavy memory pressure."

CVE-2015-7972 has been assigned by [M](#) cve@mitre.org to track the vulnerability

CVSS2 Score: **2.1 - LOW**

Access
Vector

LOCAL

Access
Complexity

LOW

Authentication

NONE

Confidentiality
Impact

NONE

Integrity
Impact

NONE

Availability
Impact

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
text/html

DEBIAN DSA-3414

XSA-153 - Xen Security Advisories	Vendor Advisory xenbits.xen.org text/html	 CONFIRM xenbits.xen.org/xsa/advisory-153.html
Xen: Multiple vulnerabilities (GLSA 201604-03) — Gentoo Security	security.gentoo.org text/html	 GENTOO GLSA-201604-03
Xen Populate-on-Demand Mode Memory Management Bug Lets Local Users on a Guest System Cause Denial of Service Conditions on the Guest System - SecurityTracker	www.securitytracker.com text/html	 SECTRAK 1034036
Xen CVE-2015-7972 Local Denial of Service Vulnerability	cve.report (archive) text/html	 BID 77365
[SECURITY] Fedora 22 Update: xen-4.5.1-14.fc22	lists.fedoraproject.org text/html	 FEDORA FEDORA-2015-6f6b79efe2

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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	3.4.0	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	3.4.0	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:3.4.0:*****:						
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:*****:						
cpe:2.3:o:xen:xen:4.0.4:*****:						
cpe:2.3:o:xen:xen:4.1.0:*****:						
cpe:2.3:o:xen:xen:4.1.1:*****:						
cpe:2.3:o:xen:xen:4.1.2:*****:						
cpe:2.3:o:xen:xen:4.1.3:*****:						
cpe:2.3:o:xen:xen:4.1.4:*****:						
cpe:2.3:o:xen:xen:4.1.5:*****:						
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cpe:2.3:o:xen:xen:4.2.0:*****:						
cpe:2.3:o:xen:xen:4.2.1:*****:						
cpe:2.3:o:xen:xen:4.2.2:*****:						
cpe:2.3:o:xen:xen:4.2.3:*****:						
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cpe:2.3:o:xen:xen:4.3.2:*****:						
cpe:2.3:o:xen:xen:4.3.4:*****:						
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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:*****:
cpe:2.3:o:xen:xen:3.4.0:*****:
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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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