



CVE-2012-4537

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

Summary

CVE	CVE-2012-4537
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2012-11-21 23:55:00 UTC
Updated	2017-08-29 01:32:00 UTC
Description	Xen 3.4 through 4.2, and possibly earlier versions, does not properly synchronize the p2m and m2p tables when the set_p2

Risk And Classification

Problem Types: CWE-16

NVD Known Affected Configurations (CPE 2.3)

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	4.2.0	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	4.2.0	All	All	All

References						
Reference				Source	Link	
Red Hat Customer Portal				REDHAT	rhn.redhat.com	
Security Advisory SA51200 - Xen Multiple Denial of Service Vulnerabilities - Secunia				SECUNIA	secunia.com	
[security-announce] SUSE-SU-2012:1487-1: important: Security update for				SUSE	lists.opensuse.org	
[security-announce] SUSE-SU-2012:1615-1: important: Security update for				SUSE	lists.opensuse.org	
Xen Memory Mapping Bug Lets Local Guest Administrative Users Deny Service - SecurityTracker				SECTrack	www.securitytracker.com	
Security Advisory SA51352 - SUSE update for libvirt - Secunia				SECUNIA	secunia.com	
87307				OSVDB	osvdb.org	
IBM X-Force Exchange				XF	exchange.xforce.ibmcloud.com	
Xen Multiple Denial of Service Vulnerabilities				BID	www.securityfocus.com/bid	
[security-announce] openSUSE-SU-2012:1572-1: important: XEN: security an				SUSE	lists.opensuse.org	
Security Advisory SA51468 - Debian update for xen - Secunia				SECUNIA	secunia.com	
Security Advisory SA51413 - SUSE update for xen - Secunia				SECUNIA	secunia.com	
oss-security - Xen Security Advisory 22 (CVE-2012-4537) - Memory mapping failure DoS vulnerability				MLIST	www.openwall.com/lists/oss-security	
Security Advisory SA51324 - SUSE update for xen - Secunia				SECUNIA	secunia.com	
Security Advisory SA55082 - Gentoo update for xen - Secunia				SECUNIA	secunia.com	
[security-announce] SUSE-SU-2014:0470-1: important: Security update for				SUSE	lists.opensuse.org	
Gentoo Linux Documentation -- Xen: Multiple vulnerabilities				GENTOO	security.gentoo.org	
[security-announce] openSUSE-SU-2012:1573-1: important: XEN: security an				SUSE	lists.opensuse.org	
[security-announce] SUSE-SU-2012:1486-1: important: Security update for				SUSE	lists.opensuse.org	
Xen Multiple Denial of Service Vulnerabilities (CVE-2012-4537) - Gentoo Linux				GENTOO	security.gentoo.org	

Xen: Multiple vulnerabilities (GLSA 201604-03) — Gentoo Security	GENTOO	security.gentoo.org
[security-announce] SUSE-SU-2014:0446-1: important: Security update for	SUSE	lists.opensuse.org
Debian -- Security Information -- DSA-2582-1 xen	DEBIAN	www.debian.org
[Xen-announce] Xen Security Advisory 22 (CVE-2012-4537) - Memory mapping failure DoS vulnerability	MLIST	lists.xen.org
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.

© [CVE.report](https://cve.report) 2026 |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](https://www.mitre.org) and the authoritative source of CVE content is [MITRE's CVE web site](https://www.mitre.org/cve). This site includes MITRE data granted under the following [license](https://www.mitre.org/cve).

Free CVE JSON API cve.report/api

CVE.report and Source URL Uptime Status status.cve.report