



CVE-2014-3690

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

Summary

CVE	CVE-2014-3690
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2014-11-10 11:55:00 UTC
Updated	2023-02-13 00:42:00 UTC
Description	arch/x86/kvm/vmx.c in the KVM subsystem in the Linux kernel before 3.17.2 on Intel processors does not ensure that the v

Risk And Classification

Problem Types: CWE-400

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Canonical	Ubuntu Linux	12.04	All	All	All
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	14.10	All	All	All
Operating System	Canonical	Ubuntu Linux	12.04	All	All	All
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	14.10	All	All	All
Operating System	Debian	Debian Linux	7.0	All	All	All
Operating System	Debian	Debian Linux	7.0	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Novell	Suse Linux Enterprise Desktop	12.0	-	All	All
Operating System	Novell	Suse Linux Enterprise Desktop	12.0	-	All	All
Operating System	Novell	Suse Linux Enterprise Server	11	sp2	All	All
Operating System	Novell	Suse Linux Enterprise Server	12.0	-	All	All
Operating System	Novell	Suse Linux Enterprise Server	11	sp2	All	All
Operating System	Novell	Suse Linux Enterprise Server	12.0	-	All	All
Operating System	Opensuse	Evergreen	11.4	All	All	All

Operating System	Opensuse	Evergreen	11.4	All	All	All
Operating System	Redhat	Enterprise Linux	5.0	All	All	All
Operating System	Redhat	Enterprise Linux	5.0	All	All	All
Operating System	Suse	Linux Enterprise Real Time Extension	11	sp3	All	All
Operating System	Suse	Linux Enterprise Real Time Extension	11	sp3	All	All
Operating System	Suse	Linux Enterprise Software Development Kit	12	-	All	All
Operating System	Suse	Linux Enterprise Software Development Kit	12	-	All	All
Operating System	Suse	Linux Enterprise Workstation Extension	12	All	All	All
Operating System	Suse	Linux Enterprise Workstation Extension	12	All	All	All

References				
Reference	Source	Link	Tags	
Red Hat Customer Portal	REDHAT	rhn.redhat.com	Third Party	
oss-security - Re: CVE-2014-3690: KVM DoS triggerable by malicious host userspace	MLIST	www.openwall.com	Mailing List	
USN-2417-1: Linux kernel vulnerabilities Ubuntu	UBUNTU	www.ubuntu.com	Third Party	
git.kernel.org	MISC	git.kernel.org		
Debian -- Security Information -- DSA-3060-1 linux	DEBIAN	www.debian.org	Third Party	
Support / Security / Advisories // MDVSA-2015:058 Mandriva	MANDRIVA	www.mandriva.com	Broken Link	
Bug 1153322 – CVE-2014-3690 kernel: kvm: vmx: invalid host cr4 handling across vm entries	CONFIRM	bugzilla.redhat.com	Issue	
oss-security - CVE-2014-3690: KVM DoS triggerable by malicious host userspace	MLIST	www.openwall.com	Mailing List	
[security-announce] SUSE-SU-2015:0736-1: important: Security update for	SUSE	lists.opensuse.org	Mailing List	
www.kernel.org/pub/linux/kernel/v3.x/ChangeLog-3.17.2	CONFIRM	www.kernel.org	Mailing List	
USN-2419-1: Linux kernel (Trusty HWE) vulnerabilities Ubuntu	UBUNTU	www.ubuntu.com	Third Party	
Security Advisory SA60174 - Ubuntu update for kernel - Secunia	SECUNIA	secunia.com	Broken Link	
[security-announce] SUSE-SU-2015:0178-1: important: Security update for	SUSE	lists.opensuse.org	Mailing List	
[security-announce] openSUSE-SU-2015:0566-1: important: kernel update fo	SUSE	lists.opensuse.org	Mailing List	
USN-2421-1: Linux kernel vulnerabilities Ubuntu	UBUNTU	www.ubuntu.com	Third Party	
x86,kvm,vmx: Preserve CR4 across VM entry · torvalds/linux@d974baa · GitHub	CONFIRM	github.com	Patch	
Red Hat Customer Portal	REDHAT	rhn.redhat.com	Third Party	
[security-announce] SUSE-SU-2015:0481-1: important: Security update for	SUSE	lists.opensuse.org	Mailing List	
USN-2418-1: Linux kernel (OMAP4) vulnerabilities Ubuntu	UBUNTU	www.ubuntu.com	Third Party	
kernel/git/torvalds/linux.git - Linux kernel source tree	CONFIRM	git.kernel.org	Mailing List	
Linux Kernel KVM CVE-2014-3690 Local Denial of Service Vulnerability	BID	www.securityfocus.com	Third Party	
Red Hat Customer Portal	REDHAT	rhn.redhat.com	Third Party	
USN-2420-1: Linux kernel vulnerabilities Ubuntu	UBUNTU	www.ubuntu.com	Third Party	
CVE-2014-3690: KVM DoS triggerable by malicious host userspace	CVE-2014-3690			

CVE Program record	CVE.ORG	www.cve.org	canc
NVD vulnerability detail	NVD	nvd.nist.gov	canc
No vendor comments have been submitted for this CVE.			
There are currently no legacy QID mappings associated with this CVE.			

© [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](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

Free CVE JSON API cve.report/api

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