



CVE-2015-2877

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

Summary

CVE	CVE-2015-2877
State	PUBLIC
Assigner	cert@cert.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2017-03-03 11:59:00 UTC
Updated	2023-11-07 02:25:00 UTC
Description	** DISPUTED ** Kernel Samepage Merging (KSM) in the Linux kernel 2.6.32 through 4.x does not prevent use of a write-tir

Risk And Classification

Problem Types: CWE-200

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Redhat	Enterprise Linux	4.0	All	All	All
Operating System	Redhat	Enterprise Linux	5.0	All	All	All
Operating System	Redhat	Enterprise Linux	6.0	All	All	All
Operating System	Redhat	Enterprise Linux	7.0	All	All	All
Operating System	Redhat	Enterprise Linux	4.0	All	All	All
Operating System	Redhat	Enterprise Linux	5.0	All	All	All
Operating System	Redhat	Enterprise Linux	6.0	All	All	All
Operating System	Redhat	Enterprise Linux	7.0	All	All	All

References

Reference	Source	Link
VU#935424 - Virtual Machine Monitors (VMM) contain a memory deduplication vulnerability	MISC	www.kb.cert.org
Vulnerability Note VU#935424 - Virtual Machine Monitors (VMM) contain a memory deduplication vulnerability	CERT-VN	www.kb.cert.org
www.antoniobarresi.com/files/cain_advisory.txt	MISC	www.antoniobarresi.com/files/cain_advisory.txt
Kernel Virtual Machine CVE-2015-2877 Memory Corruption Vulnerability	BID	www.securityfocus.com/bid/73882
www.usenix.org/system/files/conference/woot15/woot15-paper-barresi.pdf	MISC	www.usenix.org/system/files/conference/woot15/woot15-paper-barresi.pdf

VU#935424 - Virtual Machine Monitors (VMM) contain a memory deduplication vulnerability	MISC	www.kb.cert.org
Bug 1252096 – CVE-2015-2877 Kernel: Cross-VM ASL INtrospection (CAIN)	MISC	bugzilla.redhat.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.

© [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](#).

Free CVE JSON API cve.report/api

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