



CVE-2014-3645

- MITRE
- NVD
- CVE.ORG
- JSON API
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Summary

CVE	CVE-2014-3645
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2014-11-10 11:55:06 UTC
Updated	2026-05-06 22:30:45 UTC
Description	arch/x86/kvm/vmx.c in the KVM subsystem in the Linux kernel before 3.12 does not have an exit handler for the INVEPT in-

Risk And Classification

Primary CVSS: v2.0 2.1 from nvd@nist.gov

AV:L/AC:L/Au:N/C:N/I:N/A:P

Problem Types: CWE-20 | n/a

CVSS v2.0 Breakdown

Access Vector

Local

Access Complexity

Low

Authentication

None

Confidentiality

None

Integrity

None

Availability

Partial

AV:L/AC:L/Au:N/C:N/I:N/A:P

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	3.0	rc1	All	All

Operating System	Linux	Linux Kernel	3.0	rc2	All	All
Operating System	Linux	Linux Kernel	3.0	rc3	All	All
Operating System	Linux	Linux Kernel	3.0	rc4	All	All
Operating System	Linux	Linux Kernel	3.0	rc5	All	All
Operating System	Linux	Linux Kernel	3.0	rc6	All	All
Operating System	Linux	Linux Kernel	3.0	rc7	All	All
Operating System	Linux	Linux Kernel	3.0.1	All	All	All
Operating System	Linux	Linux Kernel	3.0.10	All	All	All
Operating System	Linux	Linux Kernel	3.0.11	All	All	All
Operating System	Linux	Linux Kernel	3.0.12	All	All	All
Operating System	Linux	Linux Kernel	3.0.13	All	All	All
Operating System	Linux	Linux Kernel	3.0.14	All	All	All
Operating System	Linux	Linux Kernel	3.0.15	All	All	All
Operating System	Linux	Linux Kernel	3.0.16	All	All	All
Operating System	Linux	Linux Kernel	3.0.17	All	All	All
Operating System	Linux	Linux Kernel	3.0.18	All	All	All
Operating System	Linux	Linux Kernel	3.0.19	All	All	All
Operating System	Linux	Linux Kernel	3.0.2	All	All	All
Operating System	Linux	Linux Kernel	3.0.20	All	All	All
Operating System	Linux	Linux Kernel	3.0.21	All	All	All
Operating System	Linux	Linux Kernel	3.0.22	All	All	All
Operating System	Linux	Linux Kernel	3.0.23	All	All	All
Operating System	Linux	Linux Kernel	3.0.24	All	All	All
Operating System	Linux	Linux Kernel	3.0.25	All	All	All
Operating System	Linux	Linux Kernel	3.0.26	All	All	All
Operating System	Linux	Linux Kernel	3.0.27	All	All	All
Operating System	Linux	Linux Kernel	3.0.28	All	All	All
Operating System	Linux	Linux Kernel	3.0.29	All	All	All
Operating System	Linux	Linux Kernel	3.0.3	All	All	All
Operating System	Linux	Linux Kernel	3.0.30	All	All	All
Operating System	Linux	Linux Kernel	3.0.31	All	All	All
Operating System	Linux	Linux Kernel	3.0.32	All	All	All
Operating System	Linux	Linux Kernel	3.0.33	All	All	All
Operating System	Linux	Linux Kernel	3.0.34	All	All	All
Operating System	Linux	Linux Kernel	3.0.35	All	All	All
Operating System	Linux	Linux Kernel	3.0.36	All	All	All

[illegible]

Operating System	Linux	Linux Kernel	3.0.7	All	All	All
Operating System	Linux	Linux Kernel	3.0.8	All	All	All
Operating System	Linux	Linux Kernel	3.0.9	All	All	All
Operating System	Linux	Linux Kernel	3.1	All	All	All
Operating System	Linux	Linux Kernel	3.1	rc1	All	All
Operating System	Linux	Linux Kernel	3.1	rc2	All	All
Operating System	Linux	Linux Kernel	3.1	rc3	All	All
Operating System	Linux	Linux Kernel	3.1	rc4	All	All
Operating System	Linux	Linux Kernel	3.1.1	All	All	All
Operating System	Linux	Linux Kernel	3.1.10	All	All	All
Operating System	Linux	Linux Kernel	3.1.2	All	All	All
Operating System	Linux	Linux Kernel	3.1.3	All	All	All
Operating System	Linux	Linux Kernel	3.1.4	All	All	All
Operating System	Linux	Linux Kernel	3.1.5	All	All	All
Operating System	Linux	Linux Kernel	3.1.6	All	All	All
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Operating System	Linux	Linux Kernel	3.1.8	All	All	All
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Operating System	Linux	Linux Kernel	3.10.9	All	All	All
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Operating System	Linux	Linux Kernel	3.11.2	All	All	All
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Operating System	Linux	Linux Kernel	3.11.6	All	All	All
Operating System	Linux	Linux Kernel	3.2	All	All	All
Operating System	Linux	Linux Kernel	3.2	rc2	All	All
Operating System	Linux	Linux Kernel	3.2	rc3	All	All
Operating System	Linux	Linux Kernel	3.2	rc4	All	All
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Operating System	Linux	Linux Kernel	3.2	rc6	All	All
Operating System	Linux	Linux Kernel	3.2	rc7	All	All
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Operating System	Linux	Linux Kernel	3.2.19	All	All	All
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Operating System	Linux	Linux Kernel	3.2.22	All	All	All
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Operating System	Linux	Linux Kernel	3.2.26	All	All	All
Operating System	Linux	Linux Kernel	3.2.27	All	All	All
Operating System	Linux	Linux Kernel	3.2.28	All	All	All

Operating System	Linux	Linux Kernel	3.2.29	All	All	All
Operating System	Linux	Linux Kernel	3.2.3	All	All	All
Operating System	Linux	Linux Kernel	3.2.30	All	All	All
Operating System	Linux	Linux Kernel	3.2.4	All	All	All
Operating System	Linux	Linux Kernel	3.2.5	All	All	All
Operating System	Linux	Linux Kernel	3.2.6	All	All	All
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Operating System	Linux	Linux Kernel	3.2.8	All	All	All
Operating System	Linux	Linux Kernel	3.2.9	All	All	All
Operating System	Linux	Linux Kernel	3.3	All	All	All
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Operating System	Linux	Linux Kernel	3.3	rc4	All	All
Operating System	Linux	Linux Kernel	3.3	rc5	All	All
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Operating System	Linux	Linux Kernel	3.4	rc4	All	All
Operating System	Linux	Linux Kernel	3.4	rc5	All	All
Operating System	Linux	Linux Kernel	3.4	rc6	All	All
Operating System	Linux	Linux Kernel	3.4	rc7	All	All
Operating System	Linux	Linux Kernel	3.4.1	All	All	All
Operating System	Linux	Linux Kernel	3.4.10	All	All	All

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Operating System	Linux	Linux Kernel	3.8.7	All	All	All
Operating System	Linux	Linux Kernel	3.8.8	All	All	All
Operating System	Linux	Linux Kernel	3.8.9	All	All	All
Operating System	Linux	Linux Kernel	3.9	rc1	All	All
Operating System	Linux	Linux Kernel	3.9	rc2	All	All
Operating System	Linux	Linux Kernel	3.9	rc3	All	All
Operating System	Linux	Linux Kernel	3.9	rc4	All	All
Operating System	Linux	Linux Kernel	3.9	rc5	All	All
Operating System	Linux	Linux Kernel	3.9	rc6	All	All
Operating System	Linux	Linux Kernel	3.9	rc7	All	All
Operating System	Linux	Linux Kernel	3.9.0	All	All	All
Operating System	Linux	Linux Kernel	3.9.1	All	All	All
Operating System	Linux	Linux Kernel	3.9.10	All	All	All
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Operating System	Linux	Linux Kernel	3.9.8	All	All	All
Operating System	Linux	Linux Kernel	3.9.9	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All

Vendor Declared Affected Products						
Source	Vendor	Product	Version	Platforms		
CNA	Na	N/a	affected n/a	Not specified		

References						
Reference	Source			Link		
USN-2418-1: Linux kernel (OMAP4) vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-364da2661108			www.ubuntu.cor		
oss-security - kvm issues	af854a3a-2127-422b-91ae-364da2661108			www.openwall.c		
Bug 1144835 – CVE-2014-3645 kernel: kvm: vmx: invept vm exit not handled	af854a3a-2127-422b-91ae-364da2661108			bugzilla.redhat.c		
Debian -- Security Information -- DSA-3060-1 linux	af854a3a-2127-422b-91ae-364da2661108			www.debian.org		
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2661108			rhn.redhat.com		
kernel/git/torvalds/linux.git - Linux kernel source tree	af854a3a-2127-422b-91ae-364da2661108			git.kernel.org		

nEPT: Nested INVEPT · torvalds/linux@bfd0a56 · GitHub	af854a3a-2127-422b-91ae-364da2661108	github.com
USN-2417-1: Linux kernel vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-364da2661108	www.ubuntu.com
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2661108	rhn.redhat.com
kernel/git/torvalds/linux.git - Linux kernel source tree	MITRE	git.kernel.org
Red Hat Customer Portal	MITRE	access.redhat.com
Red Hat Customer Portal	MITRE	access.redhat.com
Red Hat Customer Portal	MITRE	access.redhat.com
Red Hat Customer Portal	MITRE	access.redhat.com
access.redhat.com CVE-2014-3645	MITRE	access.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.

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