CVE-2016-8630

MITRE | NVD | CVE.ORG | JSON API | Print: PDF

Summary

CVE	CVE-2016-8630
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2016-11-28 03:59:03 UTC
Updated	2026-05-06 22:30:45 UTC
Description	The x86_decode_insn function in arch/x86/kvm/emulate.c in the Linux kernel before 4.8.7, when KVM is enabled, allows loc

Risk And Classification

Primary CVSS: v3.0 5.5 MEDIUM from nvd@nist.gov

CVSS:3.0/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H

EPSS: 0.000310000 probability, percentile 0.088880000 (date 2026-05-10)

Problem Types: CWE-284 | CWE-476 | n/a

Version	Source	Type	Score	Severity	Vector
3.0	nvd@nist.gov	Primary	5.5	MEDIUM	CVSS:3.0/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H
2.0	nvd@nist.gov	Primary	4.9		AV:L/AC:L/Au:N/C:N/I:N/A:C

CVSS v3.0 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

None

None

Availability

High

CVSS:3.0/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H

CVSS v2.0 Breakdown

Access Vector

Local

Access Complexity

Low

Authentication

None

Confidentiality

None

Integrity

None

Availability

Complete

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

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
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
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da26
kernel/git/torvalds/linux.git - Linux kernel source tree	af854a3a-2127-422b-91ae-364da26
Linux Kernel 'kvm/emulate.c' Null Pointer Dereference Denial of Service Vulnerability	af854a3a-2127-422b-91ae-364da26
oss-security - CVE-2016-8630 kernel: kvm: x86: NULL pointer dereference duringinstruction decode	af854a3a-2127-422b-91ae-364da26
kvm: x86: Check memopp before dereference (CVE-2016-8630) · torvalds/linux@d9092f5 · GitHub	af854a3a-2127-422b-91ae-364da26
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da26
Bug 1393350 – CVE-2016-8630 kernel: kvm: x86: NULL pointer dereference during instruction decode	af854a3a-2127-422b-91ae-364da26
www.kernel.org/pub/linux/kernel/v4.x/ChangeLog-4.8.7	af854a3a-2127-422b-91ae-364da26
Red Hat Customer Portal	MITRE

Red Hat Customer Portal	MITRE
CVE-2016-8630 - Red Hat Customer Portal	MITRE
CVE Program record	CVE.ORG
NVD vulnerability detail	NVD

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

378284 Virtuozzo Linux Security Update for kernel-tools-libs (VZLSA-2017:0386)