CVE-2016-9588

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

Summary

CVE	CVE-2016-9588
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2016-12-28 07:59:00 UTC
Updated	2026-05-06 22:30:45 UTC
Description	arch/x86/kvm/vmx.c in the Linux kernel through 4.9 mismanages the #BP and #OF exceptions, which allows guest OS user

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: 0.000760000 probability, percentile 0.225420000 (date 2026-05-11)

Problem Types: CWE-388 | 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	2.1		AV:L/AC:L/Au:N/C:N/I:N/A:P

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

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	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
kernel/git/torvalds/linux.git - Linux kernel source tree	af854a3a-2127-422b-91ae-36
kvm: nVMX: Allow L1 to intercept software exceptions (#BP and #OF) · torvalds/linux@ef85b67 · GitHub	af854a3a-2127-422b-91ae-36
oss-security - CVE-2016-9588 Kernel: kvm: nVMX: uncaught software exceptions in L1 guest lead to DoS	af854a3a-2127-422b-91ae-36
Red Hat Customer Portal	af854a3a-2127-422b-91ae-36
USN-3822-1: Linux kernel vulnerabilities | Ubuntu security notices | Ubuntu	af854a3a-2127-422b-91ae-36
Debian -- Security Information -- DSA-3804-1 linux	af854a3a-2127-422b-91ae-36
Bug 1404924 – CVE-2016-9588 Kernel: kvm: nVMX: uncaught software exceptions in L1 guest leads to DoS	af854a3a-2127-422b-91ae-36
USN-3822-2: Linux kernel (Trusty HWE) vulnerabilities | Ubuntu security notices	af854a3a-2127-422b-91ae-36
Linux Kernel 'arch/x86/kvm/vmx.c' Denial of Service Vulnerability	af854a3a-2127-422b-91ae-36

Red Hat Customer Portal	af854a3a-2127-422b-91ae-36
CVE-2016-9588 - Red Hat Customer Portal	MITRE
CVE Program record	CVE.ORG
NVD vulnerability detail	NVD

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.