



CVE-2016-2069

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Summary

CVE	CVE-2016-2069
State	PUBLISHED
Assigner	mitre
Source Priority	CVE Program / NVD first with legacy fallback
Published	2016-04-27 17:59:07 UTC
Updated	2026-05-06 22:30:45 UTC
Description	Race condition in arch/x86/mm/tlb.c in the Linux kernel before 4.4.1 allows local users to gain privileges by triggering acces

Risk And Classification

Primary CVSS: v3.0 7.4 HIGH from nvd@nist.gov

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

Problem Types: CWE-362 | n/a

Version	Source	Type	Score	Severity	Vector
3.0	nvd@nist.gov	Primary	7.4	HIGH	CVSS:3.0/AV:L/AC:H/PR:N/UI:N/S:U/C:H/I:H/A:H
2.0	nvd@nist.gov	Primary	4.4		AV:L/AC:M/Au:N/C:P/I:P/A:P

CVSS v3.0 Breakdown

Attack Vector

Local

Attack Complexity

High

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

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

CVSS v2.0 Breakdown

Access Vector

Local

Access Complexity

Medium

Authentication

None

Confidentiality

Partial

Integrity

Partial

Availability

Partial

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

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	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
oss-security - CVE Request: x86 Linux TLB flush bug	af854a3a-2127-422b-91ae-3
Red Hat Customer Portal	af854a3a-2127-422b-91ae-3
USN-2998-1: Linux kernel (Trusty HWE) vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-3
Oracle VM Server for x86 Bulletin - October 2016	af854a3a-2127-422b-91ae-3
1301893 – (CVE-2016-2069) CVE-2016-2069 kernel: race condition in the TLB flush logic	af854a3a-2127-422b-91ae-3
USN-2932-1: Linux kernel (Vivid HWE) vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-3
[security-announce] SUSE-SU-2016:2074-1: important: Security update for	af854a3a-2127-422b-91ae-3
Linux Kernel CVE-2016-2069 TLB Flush Local Security Bypass Vulnerability	af854a3a-2127-422b-91ae-3

Oracle Linux Bulletin - July 2016	af854a3a-2127-422b-91ae-3
Debian -- Security Information -- DSA-3503-1 linux	af854a3a-2127-422b-91ae-3
USN-2967-2: Linux kernel (OMAP4) vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-3
[security-announce] openSUSE-SU-2016:1008-1: important: Security update	af854a3a-2127-422b-91ae-3
x86/mm: Add barriers and document switch_mm()-vs-flush synchronization · torvalds/linux@71b3c12 · GitHub	af854a3a-2127-422b-91ae-3
USN-2989-1: Linux kernel vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-3
Red Hat Customer Portal	af854a3a-2127-422b-91ae-3
[security-announce] SUSE-SU-2016:0911-1: important: Security update for	af854a3a-2127-422b-91ae-3
USN-2931-1: Linux kernel (Utopic HWE) vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-3
kernel/git/torvalds/linux.git - Linux kernel source tree	af854a3a-2127-422b-91ae-3
[security-announce] SUSE-SU-2016:1102-1: important: Security update for	af854a3a-2127-422b-91ae-3
USN-2967-1: Linux kernel vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-3
www.kernel.org/pub/linux/kernel/v4.x/ChangeLog-4.4.1	af854a3a-2127-422b-91ae-3
Red Hat Customer Portal	af854a3a-2127-422b-91ae-3
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.

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