CVE-2016-3070

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

Summary

CVE	CVE-2016-3070
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2016-08-06 20:59:00 UTC
Updated	2026-05-06 22:30:45 UTC
Description	The trace_writeback_dirty_page implementation in include/trace/events/writeback.h in the Linux kernel before 4.4 improperl

Risk And Classification

Primary CVSS: v3.0 7.8 HIGH from nvd@nist.gov

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

Problem Types: CWE-476 | n/a

Version	Source	Type	Score	Severity	Vector
3.0	nvd@nist.gov	Primary	7.8	HIGH	CVSS:3.0/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H
2.0	nvd@nist.gov	Primary	4.6		AV:L/AC:L/Au:N/C:P/I:P/A:P

CVSS v3.0 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

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

CVSS v2.0 Breakdown

Access Vector

Local

Access Complexity

Low

Authentication

None

Confidentiality

Partial

Integrity

Partial

Availability

Partial

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

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Debian	Debian Linux	8.0	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
USN-3036-1: Linux kernel (Utopic HWE) vulnerability | Ubuntu	af854a3a-2127-422b-91ae-364da2661108
USN-3034-2: Linux kernel (Trusty HWE) vulnerability | Ubuntu	af854a3a-2127-422b-91ae-364da2661108
Bug 1308846 – CVE-2016-3070 kernel: Null pointer dereference in trace_writeback_dirty_page()	af854a3a-2127-422b-91ae-364da2661108
CVE-2016-3070	af854a3a-2127-422b-91ae-364da2661108
kernel/git/torvalds/linux.git - Linux kernel source tree	af854a3a-2127-422b-91ae-364da2661108
mm: migrate dirty page without clear_page_dirty_for_io etc · torvalds/linux@42cb14b · GitHub	af854a3a-2127-422b-91ae-364da2661108
Linux Kernel 'migrate.c' Null Pointer Deference Local Denial of Service Vulnerability	af854a3a-2127-422b-91ae-364da2661108
USN-3035-3: Linux kernel (Wily HWE) vulnerability | Ubuntu	af854a3a-2127-422b-91ae-364da2661108
USN-3034-1: Linux kernel vulnerability | Ubuntu	af854a3a-2127-422b-91ae-364da2661108

Debian -- Security Information -- DSA-3607-1 linux	af854a3a-2127-422b-91ae-364da2661108
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2661108
USN-3035-1: Linux kernel vulnerability | Ubuntu	af854a3a-2127-422b-91ae-364da2661108
USN-3037-1: Linux kernel (Vivid HWE) vulnerability | Ubuntu	af854a3a-2127-422b-91ae-364da2661108
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2661108
USN-3035-2: Linux kernel (Raspberry Pi 2) vulnerability | Ubuntu	af854a3a-2127-422b-91ae-364da2661108
Red Hat Customer Portal	MITRE
Red Hat Customer Portal	MITRE
CVE-2016-3070 - 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.