CVE-2015-7550

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

Summary

CVE	CVE-2015-7550
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2016-02-08 03:59:02 UTC
Updated	2026-05-06 22:30:45 UTC
Description	The keyctl_read_key function in security/keys/keyctl.c in the Linux kernel before 4.3.4 does not properly use a semaphore,

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

Problem Types: CWE-362 | NVD-CWE-Other | 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

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
www.kernel.org/pub/linux/kernel/v4.x/ChangeLog-4.3.4	af854a3a-2127-422b-91ae-364c
USN-2890-3: Linux kernel (Raspberry Pi 2) vulnerabilities | Ubuntu	af854a3a-2127-422b-91ae-364c
USN-2888-1: Linux kernel (Utopic HWE) vulnerabilities | Ubuntu	af854a3a-2127-422b-91ae-364c
USN-2911-1: Linux kernel vulnerability | Ubuntu	af854a3a-2127-422b-91ae-364c
kernel/git/torvalds/linux.git - Linux kernel source tree	af854a3a-2127-422b-91ae-364c
[security-announce] SUSE-SU-2016:2074-1: important: Security update for	af854a3a-2127-422b-91ae-364c
USN-2911-2: Linux kernel (OMAP4) vulnerability | Ubuntu	af854a3a-2127-422b-91ae-364c
USN-2890-2: Linux kernel (Wily HWE) vulnerabilities | Ubuntu	af854a3a-2127-422b-91ae-364c
KEYS: Fix race between read and revoke · torvalds/linux@b4a1b4f · GitHub	af854a3a-2127-422b-91ae-364c
[security-announce] SUSE-SU-2016:0911-1: important: Security update for	af854a3a-2127-422b-91ae-364c

Linux Kernel CVE-2015-7550 Null Pointer Deference Local Denial of Service Vulnerability	af854a3a-2127-422b-91ae-364c
[security-announce] SUSE-SU-2016:1102-1: important: Security update for	af854a3a-2127-422b-91ae-364c
Debian -- Security Information -- DSA-3434-1 linux	af854a3a-2127-422b-91ae-364c
USN-2890-1: Linux kernel vulnerabilities | Ubuntu	af854a3a-2127-422b-91ae-364c
Bug 1291197 – CVE-2015-7550 kernel: User triggerable crash from race between key read and rey revoke	af854a3a-2127-422b-91ae-364c
CVE-2015-7550	af854a3a-2127-422b-91ae-364c
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.