CVE-2016-7042

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

Summary

CVE	CVE-2016-7042
State	PUBLISHED
Assigner	mitre
Source Priority	CVE Program / NVD first with legacy fallback
Published	2016-10-16 21:59:10 UTC
Updated	2026-05-06 22:30:45 UTC
Description	The proc_keys_show function in security/keys/proc.c in the Linux kernel through 4.8.2, when the GNU Compiler Collection (

Risk And Classification

Primary CVSS: v3.0 6.2 MEDIUM from nvd@nist.gov

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

EPSS: 0.000970000 probability, percentile 0.264090000 (date 2026-05-07)

Problem Types: CWE-119 | n/a

Version	Source	Type	Score	Severity	Vector
3.0	nvd@nist.gov	Primary	6.2	MEDIUM	CVSS:3.0/AV:L/AC:L/PR:N/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

None

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

None

None

Availability

High

CVSS:3.0/AV:L/AC:L/PR:N/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
Red Hat Customer Portal	af854a3a-2127-422b
Android Security Bulletin—January 2017 | Android Open Source Project	af854a3a-2127-422b
oss-security - kernel: Stack corruption while reading /proc/keys (CVE-2016-7042)	af854a3a-2127-422b
Linux Kernel CVE-2016-7042 Local Denial of Service Vulnerability	af854a3a-2127-422b
Bug 1373966 – CVE-2016-7042 kernel: Stack corruption while reading /proc/keys when gcc stack protector is enabled	af854a3a-2127-422b
Red Hat Customer Portal	af854a3a-2127-422b
Red Hat Customer Portal	af854a3a-2127-422b
CVE Program record	CVE.ORG

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.

Free CVE JSON API cve.report/api

CVE.report and Source URL Uptime Status **status.cve.report**