



CVE-2016-10088

- MITRE
- NVD
- CVE.ORG
- JSON API
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Summary	
CVE	CVE-2016-10088
State	PUBLISHED
Assigner	debian
Source Priority	CVE Program / NVD first with legacy fallback
Published	2016-12-30 18:59:00 UTC
Updated	2026-05-06 22:30:45 UTC
Description	The sg implementation in the Linux kernel through 4.9 does not properly restrict write operations in situations where the KE

Risk And Classification

Primary CVSS: v3.1 7 HIGH from nvd@nist.gov

CVSS:3.1/AV:L/AC:H/PR:L/UI:N/S:U/C:H/I:H/A:H

Problem Types: CWE-416 | n/a

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	7	HIGH	CVSS:3.1/AV:L/AC:H/PR:L/UI:N/S:U/C:H/I:H/A:H
2.0	nvd@nist.gov	Primary	6.9		AV:L/AC:M/Au:N/C:C/I:C/A:C

CVSS v3.1 Breakdown	
Attack Vector	Local
Attack Complexity	High
Privileges Required	Low
User Interaction	None
Scope	Unchanged
Confidentiality	High
Integrity	High
Availability	

High

CVSS:3.1/AV:L/AC:H/PR:L/UI:N/S:U/C:H/I:H/A:H

CVSS v2.0 Breakdown

Access Vector

Local

Access Complexity

Medium

Authentication

None

Confidentiality

Complete

Integrity

Complete

Availability

Complete

AV:L/AC:M/Au:N/C:C/I:C/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-91ae-364c
Linux Kernel sg_write() and bsg_write() Functions Let Local Users Obtain Root Privileges - SecurityTracker	af854a3a-2127-422b-91ae-364c
oss-security - Re: Linux Kernel use-after-free in SCSI generic device interface	af854a3a-2127-422b-91ae-364c
sg_write()/bsg_write() is not fit to be called under KERNEL_DS · torvalds/linux@128394e · GitHub	af854a3a-2127-422b-91ae-364c
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364c
kernel/git/torvalds/linux.git - Linux kernel source tree	af854a3a-2127-422b-91ae-364c
Linux Kernel CVE-2016-10088 Incomplete Fix Multiple Local Memory Corruption Vulnerabilities	af854a3a-2127-422b-91ae-364c
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364c
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364c
CVE Program record	CVE.ORG

No vendor comments have been submitted for this CVE.

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

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