

CVE-2017-7187

- MITRE
- NVD
- CVE.ORG
- JSON API
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Summary	
CVE	CVE-2017-7187
State	PUBLISHED
Assigner	mitre
Source Priority	CVE Program / NVD first with legacy fallback
Published	2017-03-20 14:59:00 UTC
Updated	2025-04-20 01:37:25 UTC
Description	The sg_ioctl function in drivers/scsi/sg.c in the Linux kernel through 4.10.4 allows local users to cause a denial of service (s

Risk And Classification

Primary CVSS: v3.1 7.8 HIGH from nvd@nist.gov

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

Problem Types: CWE-119 | n/a

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	7.8	HIGH	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H
2.0	nvd@nist.gov	Primary	7.2		AV:L/AC:L/Au:N/C:C/I:C/A:C

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

High

CVSS:3.1/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

Complete

Integrity

Complete

Availability

Complete

AV:L/AC:L/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	af854a
Pixel / Nexus Security Bulletin—October 2017 Android Open Source Project	af854a
Linux Kernel CVE-2017-7187 Local Denial of Service Vulnerability	af854a
kernel/git/mkp/scsi.git - SCSI	af854a
gist:48ad14e84de45b0be92b7f0eda20ff1b · GitHub	af854a
Red Hat Customer Portal	af854a
Linux Kernel sg_ioctl() Stack Overflow Lets Local Users Cause Denial of Service Conditions on the Target System - SecurityTracker	af854a
Red Hat Customer Portal	af854a
CVE Program record	CVE.O
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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