



CVE-2016-5728

- MITRE
- NVD
- CVE.ORG
- JSON API
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Summary	
CVE	CVE-2016-5728
State	PUBLISHED
Assigner	mitre
Source Priority	CVE Program / NVD first with legacy fallback
Published	2016-06-27 10:59:12 UTC
Updated	2026-05-06 22:30:45 UTC
Description	Race condition in the vop_ioctl function in drivers/misc/mic/vop/vop_vringh.c in the MIC VOP driver in the Linux kernel before

Risk And Classification

Primary CVSS: v3.0 6.3 MEDIUM from nvd@nist.gov

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

Problem Types: CWE-119 | n/a

Version	Source	Type	Score	Severity	Vector
3.0	nvd@nist.gov	Primary	6.3	MEDIUM	CVSS:3.0/AV:L/AC:H/PR:L/UI:N/S:U/C:H/I:N/A:H
2.0	nvd@nist.gov	Primary	5.4		AV:L/AC:M/Au:N/C:P/I:N/A:C

CVSS v3.0 Breakdown	
Attack Vector	Local
Attack Complexity	High
Privileges Required	Low
User Interaction	None
Scope	Unchanged
Confidentiality	High
Integrity	None
Availability	

High

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

CVSS v2.0 Breakdown

Access Vector

Local

Access Complexity

Medium

Authentication

None

Confidentiality

Partial

Integrity

None

Availability

Complete

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

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	Li	
www.kernel.org/pub/linux/kernel/v4.x/ChangeLog-4.6.1	af854a3a-2127-422b-91ae-364da2661108	wn	
USN-3070-1: Linux kernel vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-364da2661108	wn	
116651 – Double-Fetch bug in Linux-4.5/drivers/misc/mic/host/mic_virtio.c	af854a3a-2127-422b-91ae-364da2661108	bu	
USN-3070-2: Linux kernel (Raspberry Pi 2) vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-364da2661108	wn	
USN-3071-2: Linux kernel (Trusty HWE) vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-364da2661108	wn	
SecurityFocus	af854a3a-2127-422b-91ae-364da2661108	wn	
misc: mic: Fix for double fetch security bug in VOP driver · torvalds/linux@9bf292b · GitHub	af854a3a-2127-422b-91ae-364da2661108	git	
kernel/git/torvalds/linux.git - Linux kernel source tree	af854a3a-2127-422b-91ae-364da2661108	git	
Debian -- Security Information -- DSA-3616-1 linux	af854a3a-2127-422b-91ae-364da2661108	wn	

USN-3071-1: Linux kernel vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-364da2661108	wn
USN-3070-3: Linux kernel (Qualcomm Snapdragon) vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-364da2661108	wn
USN-3070-4: Linux kernel (Xenial HWE) vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-364da2661108	wn
CVE Program record	CVE.ORG	wn
NVD vulnerability detail	NVD	nv

No vendor comments have been submitted for this CVE.

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

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