



CVE-2017-11176

- MITRE
- NVD
- CVE.ORG
- JSON API
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Summary

CVE	CVE-2017-11176
State	PUBLISHED
Assigner	mitre
Source Priority	CVE Program / NVD first with legacy fallback
Published	2017-07-11 23:29:00 UTC
Updated	2025-04-20 01:37:25 UTC
Description	The mq_notify function in the Linux kernel through 4.11.9 does not set the sock pointer to NULL upon entry into the retry loop.

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-416 | 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
mqueue: fix a use-after-free in sys_mq_notify() · torvalds/linux@f991af3 · GitHub	af854a3a-2127-422b-91ae-364da2661
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2661
kernel/git/torvalds/linux.git - Linux kernel source tree	af854a3a-2127-422b-91ae-364da2661
Debian -- Security Information -- DSA-3945-1 linux	af854a3a-2127-422b-91ae-364da2661
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2661
Linux kernel CVE-2017-11176 Local Denial of Service Vulnerability	af854a3a-2127-422b-91ae-364da2661
DCIM Support	af854a3a-2127-422b-91ae-364da2661
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2661
Debian -- Security Information -- DSA-3927-1 linux	af854a3a-2127-422b-91ae-364da2661
Linux Kernel < 4.11.8 - 'mq_notify: double sock_put()' Local Privilege Escalation - Linux local Exploit	af854a3a-2127-422b-91ae-364da2661

Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2661
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2661
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.	

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