CVE-2016-8658

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

Summary

CVE	CVE-2016-8658
State	PUBLISHED
Assigner	mitre
Source Priority	CVE Program / NVD first with legacy fallback
Published	2016-10-16 21:59:13 UTC
Updated	2026-05-06 22:30:45 UTC
Description	Stack-based buffer overflow in the brcmf_cfg80211_start_ap function in drivers/net/wireless/broadcom/brcm80211/brcmfma

Risk And Classification

Primary CVSS: v3.0 6.1 MEDIUM from nvd@nist.gov

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

EPSS: 0.003030000 probability, percentile 0.535580000 (date 2026-05-07)

Problem Types: CWE-119 | n/a

Version	Source	Type	Score	Severity	Vector
3.0	nvd@nist.gov	Primary	6.1	MEDIUM	CVSS:3.0/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:L/A:H
2.0	nvd@nist.gov	Primary	5.6		AV:L/AC:L/Au:N/C:N/I:P/A:C

CVSS v3.0 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

Low

Availability

High

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

CVSS v2.0 Breakdown

Access Vector

Local

Access Complexity

Low

Authentication

None

Confidentiality

None

Integrity

Partial

Availability

Complete

AV:L/AC:L/Au:N/C:N/I:P/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
www.kernel.org/pub/linux/kernel/v4.x/ChangeLog-4.7.5	af854a3a-2127-422b-91ae-36
USN-3146-2: Linux kernel (Xenial HWE) vulnerabilities | Ubuntu	af854a3a-2127-422b-91ae-36
Bug 1384403 – CVE-2016-8658 kernel: Stack buffer overflow in brcmf_cfg80211_start_ap	af854a3a-2127-422b-91ae-36
USN-3146-1: Linux kernel vulnerabilities | Ubuntu	af854a3a-2127-422b-91ae-36
Broadcom Wifi Driver 'brcmf_cfg80211_start_ap()' Function Stack Buffer Overflow Vulnerability	af854a3a-2127-422b-91ae-36
USN-3145-2: Linux kernel (Trusty HWE) vulnerabilities | Ubuntu	af854a3a-2127-422b-91ae-36
brcmfmac: avoid potential stack overflow in brcmf_cfg80211_start_ap() · torvalds/linux@ded8991 · GitHub	af854a3a-2127-422b-91ae-36
oss-security - Re: CVE Request -- Broadcom Wifi Driver Brcmfmac brcmf_cfg80211_start_ap Buffer Overflow	af854a3a-2127-422b-91ae-36
USN-3145-1: Linux kernel vulnerabilities | Ubuntu	af854a3a-2127-422b-91ae-36

USN-6148-1: Linux kernel vulnerabilities | Ubuntu	a1e4a8a-2127-422b-91ae-3
kernel/git/torvalds/linux.git - Linux kernel source tree	af854a3a-2127-422b-91ae-36
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.