CVE-2016-2117

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

Summary

CVE	CVE-2016-2117
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2016-05-02 10:59:27 UTC
Updated	2026-05-06 22:30:45 UTC
Description	The atl2_probe function in drivers/net/ethernet/atheros/atlx/atl2.c in the Linux kernel through 4.5.2 incorrectly enables scatte

Risk And Classification

Primary CVSS: v3.0 7.5 HIGH from nvd@nist.gov

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

Problem Types: CWE-200 | n/a

Version	Source	Type	Score	Severity	Vector
3.0	nvd@nist.gov	Primary	7.5	HIGH	CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:N/A:N
2.0	nvd@nist.gov	Primary	5		AV:N/AC:L/Au:N/C:P/I:N/A:N

CVSS v3.0 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

None

Availability

None

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

CVSS v2.0 Breakdown

Access Vector

Network

Access Complexity

Low

Authentication

None

Confidentiality

Partial

Integrity

None

Availability

None

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

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Canonical	Ubuntu Linux	12.04	All	All	All
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	15.10	All	All	All
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Oracle	Vm Server	3.3	All	All	All
Operating System	Oracle	Vm Server	3.4	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Na	N/a	affected n/a	Not specified

References

Reference	S
USN-3000-1: Linux kernel (Utopic HWE) vulnerabilities | Ubuntu	a
USN-2998-1: Linux kernel (Trusty HWE) vulnerabilities | Ubuntu	a
oss-security - CVE-2016-2117 memory disclosure to ethernet due to unchecked scatter/gather IO	a
1312298 – (CVE-2016-2117) CVE-2016-2117 kernel: Kernel memory leakage to ethernet frames due to buffer overflow in ethernet drivers	a

USN-3007-1: Linux kernel (Raspberry Pi 2) vulnerabilities | Ubuntu	a
Oracle VM Server for x86 Bulletin - July 2016	a
USN-3002-1: Linux kernel (Wily HWE) vulnerabilities | Ubuntu	a
USN-3005-1: Linux kernel (Xenial HWE) vulnerabilities | Ubuntu	a
Oracle Linux Bulletin - July 2016	a
Debian -- Security Information -- DSA-3607-1 linux	a
Linux Kernel CVE-2016-2117 Remote Buffer Overflow Vulnerability	a
USN-2989-1: Linux kernel vulnerabilities | Ubuntu	a
Red Hat Customer Portal	a
USN-3003-1: Linux kernel vulnerabilities | Ubuntu	a
USN-3004-1: Linux kernel (Raspberry Pi 2) vulnerabilities | Ubuntu	a
USN-3001-1: Linux kernel (Vivid HWE) vulnerabilities | Ubuntu	a
atl2: Disable unimplemented scatter/gather feature · torvalds/linux@f43bfae · GitHub	a
USN-3006-1: Linux kernel vulnerabilities | Ubuntu	a
Red Hat Customer Portal	a
kernel/git/torvalds/linux.git - Linux kernel source tree	a
Red Hat Customer Portal	M
Red Hat Customer Portal	M
CVE-2016-2117 - Red Hat Customer Portal	M
CVE Program record	C
NVD vulnerability detail	N

No vendor comments have been submitted for this CVE.

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

Free CVE JSON API cve.report/api

CVE.report and Source URL Uptime Status **status.cve.report**