CVE-2014-6418

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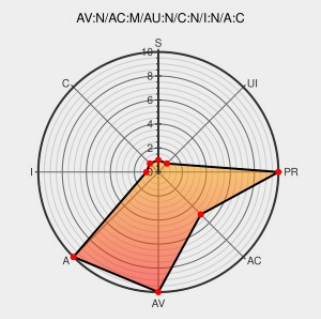
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Ubuntu Linux from Canonical contain the following vulnerability:

net/ceph/auth_x.c in Ceph, as used in the Linux kernel before 3.16.3, does not properly validate auth replies, which allows remote attackers to cause a denial of service (system crash) or possibly have unspecified other impact via crafted data from the IP address of a Ceph Monitor.

CVE-2014-6418 has been assigned by cve@mitre.org to track the vulnerability

CVSS2 Score: 7.1 - HIGH

Access Vector	Access Complexity	Authentication
NETWORK	MEDIUM	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
NONE	NONE	COMPLETE

CVE References

Description	Tags	Link
oss-security - Re: CVE Request: libceph auth token overflow / Linux kernel	www.openwall.com text/html	MLIST [oss-security] 20140915 Re: CVE Request: libceph auth token overflow / Linux kernel
Bug 1142073 – CVE-2014-6418 kernel: libceph: missing validation of auth reply	bugzilla.redhat.com text/html	CONFIRM bugzilla.redhat.com/show_bug.cgi?id=1142073
USN-2379-1: Linux kernel vulnerabilities | Ubuntu	www.ubuntu.com text/html	UBUNTU USN-2379-1
Bug #9561: libceph: do not crash if auth reply is not understood - Linux kernel client - Ceph	tracker.ceph.com text/html	CONFIRM tracker.ceph.com/issues/9561

libceph: do not hard code max auth ticket len · torvalds/linux@c27a3e4 · GitHub	Exploit github.com text/html	CONFIRM github.com/torvalds/linux/commit/c27a3e4d667fdcad3db7b104f75659478e0c68d8
	Exploit Vendor Advisory www.kernel.org text/plain	CONFIRM www.kernel.org/pub/linux/kernel/v3.x/ChangeLog-3.16.3
USN-2378-1: Linux kernel (Trusty HWE) vulnerabilities | Ubuntu	www.ubuntu.com text/html	UBUNTU USN-2378-1
kernel/git/torvalds/linux.git - Linux kernel source tree	Exploit git.kernel.org text/html	CONFIRM git.kernel.org/?p=linux/kernel/git/torvalds/linux-2.6.git;a=commit;h=c27a3e4d667fdcad3db7b104f75659478e0c68d8
USN-2376-1: Linux kernel vulnerabilities | Ubuntu	www.ubuntu.com text/html	UBUNTU USN-2376-1
Bug #8979: GPF kernel panics - auth? - Linux kernel client - Ceph	Exploit tracker.ceph.com text/html	CONFIRM tracker.ceph.com/issues/8979
USN-2377-1: Linux kernel (OMAP4) vulnerabilities | Ubuntu	www.ubuntu.com text/html	UBUNTU USN-2377-1

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

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	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	3.16.0	All	All	All
Operating System	Linux	Linux Kernel	3.16.1	All	All	All
Operating System	Linux	Linux Kernel	3.16.0	All	All	All
Operating System	Linux	Linux Kernel	3.16.1	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All

cpe:2.3:o:canonical:ubuntu_linux:12.04:*:*:*:-:*:*:*:

cpe:2.3:o:canonical:ubuntu_linux:14.04:*:*:*:esm:*:*:*:

cpe:2.3:o:linux:linux_kernel:*:*:*:*:*:*:*:*:

cpe:2.3:o:linux:linux_kernel:3.16.0:*:*:*:*:*:*:*:

cpe:2.3:o:linux:linux_kernel:3.16.1:*:*:*:*:*:*:*:

cpe:2.3:o:linux:linux_kernel:3.16.0:*:*:*:*:*:*:*:

cpe:2.3:o:linux:linux_kernel:3.16.1:*:*:*:*:*:*:*:

cpe:2.3:o:linux:linux_kernel:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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