

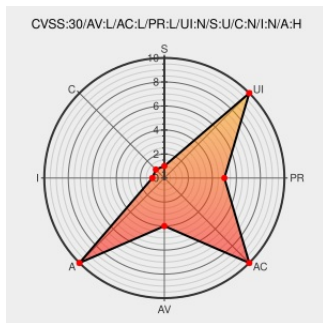


CVE-2015-8952

Published on: 10/16/2016 12:00:00 AM UTC

Last Modified on: 03/23/2021 11:26:13 PM UTC

CVE-2015-8952

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

Certain versions of [Linux Kernel](#) from [Linux](#) contain the following vulnerability:

The mbcache feature in the ext2 and ext4 filesystem implementations in the Linux kernel before 4.6 mishandles xattr block caching, which allows local users to cause a denial of service (soft lockup) via filesystem operations in environments that use many attributes, as demonstrated by Ceph and Samba.

CVE-2015-8952 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **MEDIUM** severity.

CVSS3 Score: **5.5 - MEDIUM**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
LOCAL	LOW	LOW	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	NONE	NONE	HIGH

CVSS2 Score: **2.1 - LOW**

Access Vector	Access Complexity	Authentication
LOCAL	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
NONE	NONE	PARTIAL

CVE References

Description	Tags	Link
ext4: convert to mbcache2 · torvalds/linux@82939d7 · GitHub	Vendor Advisory github.com text/html	CONFIRM github.com/torvalds/linux/commit/82939d7999dfc1f1998c4b1c12e2f19edbdff272

oss-security - CVE request: Linux kernel mbcache lock contention denial of service.	Third Party Advisory www.openwall.com text/html	MLIST [oss-security] 20160822 CVE request: Linux kernel mbcache lock contention denial of service.
ext2: convert to mbcache2 · torvalds/linux@be0726d · GitHub	Issue Tracking Patch github.com text/html	CONFIRM github.com/torvalds/linux/commit/be0726d33cb8f411945884664924bed3cb8c70ee
USN-3582-2: Linux kernel (Xenial HWE) vulnerabilities Ubuntu security notices	usn.ubuntu.com text/html	UBUNTU USN-3582-2
USN-3582-1: Linux kernel vulnerabilities Ubuntu security notices	usn.ubuntu.com text/html	UBUNTU USN-3582-1
mbcache2: reimplement mbcache · torvalds/linux@f9a61eb · GitHub	Issue Tracking github.com text/html	CONFIRM github.com/torvalds/linux/commit/f9a61eb4e2471c56a63cd804c7474128138c38ac
kernel/git/torvalds/linux.git - Linux kernel source tree	Patch git.kernel.org text/html	CONFIRM git.kernel.org/cgiit/linux/kernel/git/torvalds/linux.git/commit/?id=be0726d33cb8f411945884664924bed3cb8c70ee
kernel/git/torvalds/linux.git - Linux kernel source tree	Patch git.kernel.org text/html	CONFIRM git.kernel.org/cgiit/linux/kernel/git/torvalds/linux.git/commit/?id=82939d7999dfc1f1998c4b1c12e2f19edbdff272
oss-security - Re: CVE request: Linux kernel mbcache lock contention denial of service.	Patch Third Party Advisory www.openwall.com text/html	MLIST [oss-security] 20160825 Re: CVE request: Linux kernel mbcache lock contention denial of service.
ext[24]: MBCache rewrite [LWN.net]	Third Party Advisory lwn.net text/html	CONFIRM lwn.net/Articles/668718/
Bug 1360968 – CVE-2015-8952 kernel: mbcache code subject to softlockup DOS in cache management	Issue Tracking Third Party Advisory VDB Entry bugzilla.redhat.com text/html	CONFIRM bugzilla.redhat.com/show_bug.cgi?id=1360968
kernel/git/torvalds/linux.git - Linux kernel source tree	Patch git.kernel.org text/html	CONFIRM git.kernel.org/cgiit/linux/kernel/git/torvalds/linux.git/commit/?id=f9a61eb4e2471c56a63cd804c7474128138c38ac
107301 – system hang during ext4 xattr operation	Issue Tracking Third Party Advisory bugzilla.kernel.org text/html	CONFIRM bugzilla.kernel.org/show_bug.cgi?id=107301

By selecting these links, you may be leaving CVEreport webspace. We have provided these links to other websites because they may have information that would be of interest to you. No inferences should be drawn on account of other sites being referenced, or not, from this page. There may be other websites that are more appropriate for your purpose. CVEreport does not necessarily endorse the views expressed, or concur with the facts presented on these sites. Further, CVEreport does not endorse any commercial products that may be mentioned on these sites. Please address comments about any linked pages to comment@cve.report.

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
------	--------	---------	---------	--------	---------	----------

Operating System

Linux

Linux Kernel

All

All

All

All

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

No vendor comments have been submitted for this CVE

← Previous ID

Next ID→

© CVE.report 2023  |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

CVE.report and Source URL Uptime Status [status.cve.report](#)