CVE-2019-13178

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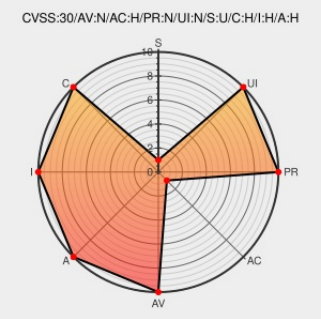
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Calamares from Calamares contain the following vulnerability:

modules/luksbootkeyfile/main.py in Calamares versions 3.1 through 3.2.10 has a race condition between the time when the LUKS encryption keyfile is created and when secure permissions are set.

CVE-2019-13178 has been assigned by cve@mitre.org to track the vulnerability - currently rated as HIGH severity.

CVSS3 Score: 8.1 - HIGH

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	HIGH	NONE	NONE
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**
UNCHANGED	HIGH	HIGH	HIGH

CVSS2 Score: 6.8 - MEDIUM

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

CVE References

Description	Tags	Link
1726565 – (CVE-2019-13178) CVE-2019-13178 calamares: race condition in modules/luksbootkeyfile/main.py	Issue Tracking, Third Party Advisory, bugzilla.redhat.com, text/html	MISC bugzilla.redhat.com/show_bug.cgi?id=1726565

Bug #1835095 “Lubuntu initrd images leaking cryptographic secret...” : Bugs : calamares package : Ubuntu	Exploit Issue Tracking Third Party Advisory bugs.launchpad.net text/html	MISC bugs.launchpad.net/ubuntu/+source/initramfs-tools/+bug/1835095
[SECURITY] Fedora 29 Update: calamares-3.2.11-1.fc29 - package-announce - Fedora Mailing-Lists	lists.fedoraproject.org text/html	FEDORA FEDORA-2019-e61a85c2bb
[SECURITY] Fedora 30 Update: calamares-3.2.11-1.fc30 - package-announce - Fedora Mailing-Lists	lists.fedoraproject.org text/html	FEDORA FEDORA-2019-50ee491d76
Calamares Initramfs Weakness – Calamares – The universal installer framework	Third Party Advisory calamares.io text/html	CONFIRM calamares.io/calamares-cve-2019/
Full disk encryption with LUKS (including /boot) · Pavel Kogan	Third Party Advisory www.pavelkogan.com text/html	MISC www.pavelkogan.com/2014/05/23/luks-full-disk-encryption/
[security-announce] openSUSE-SU-2019:2655-1: moderate: Security update f	lists.opensuse.org text/html	SUSE openSUSE-SU-2019:2655
Bug #1835096 “Unprivileged user can access LUKS keyfile” : Bugs : initramfs-tools package : Ubuntu	Third Party Advisory bugs.launchpad.net text/html	MISC bugs.launchpad.net/ubuntu/+source/initramfs-tools/+bug/1835096
[security-announce] openSUSE-SU-2019:2654-1: moderate: Security update f	lists.opensuse.org text/html	SUSE openSUSE-SU-2019:2654
Unsafe generation of initramfs during FDE · Issue #1191 · calamares/calamares · GitHub	Exploit Issue Tracking Third Party Advisory github.com text/html	MISC github.com/calamares/calamares/issues/1191
[security-announce] openSUSE-SU-2019:2628-1: moderate: Security update f	lists.opensuse.org text/html	SUSE openSUSE-SU-2019:2628
Linux Mint encryption · Pavel Kogan	Third Party Advisory www.pavelkogan.com text/html	MISC www.pavelkogan.com/2015/01/25/linux-mint-encryption/
Race condition in changing permissions · Issue #1190 · calamares/calamares · GitHub	Issue Tracking Third Party Advisory github.com text/html	MISC github.com/calamares/calamares/issues/1190
Calamares 3.2.11 released - Calamares	Third Party Advisory calamares.io text/html	CONFIRM calamares.io/calamares-3.2.11-is-out/

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Calamares	Calamares	All	All	All	All

cpe:2.3:a:calamares:calamares:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

← Previous ID

Next ID→