



CVE-2017-8823

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

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

In Tor before 0.2.5.16, 0.2.6 through 0.2.8 before 0.2.8.17, 0.2.9 before 0.2.9.14, 0.3.0 before 0.3.0.13, and 0.3.1 before 0.3.1.9, there is a use-after-free in onion service v2 during intro-point expiration because the expiring list is mismanaged in certain error cases, aka TROVE-2017-013.

CVE-2017-8823 has been assigned by [@security@debian.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
#24313 (Crash: died: Caught signal 11 [crash from rend_consider_services_intro_points]) – Tor Bug Tracker & Wiki	Issue Tracking Vendor Advisory bugs.torproject.org	CONFIRM bugs.torproject.org/24313

[text/html](#)

Debian -- Security Information -- DSA-4054-1 tor

[Third Party Advisory](#) [DEBIAN DSA-4054](#)[www.debian.org](#)[Deprecated Link](#)[text/html](#)

New stable Tor releases, with security fixes: 0.3.1.9, 0.3.0.13, 0.2.9.14, 0.2.8.17, 0.2.5.16 | Tor Blog

[Vendor Advisory](#)[blog.torproject.org](#)[text/html](#) [CONFIRM blog.torproject.org/new-stable-tor-releases-security-fixes-0319-03013-02914-02817-02516](#)

#24430 (Fix TROVE-2017-013: Use-after-free in onion service v2 when rotating intro points) – Tor Bug Tracker & Wiki

[Vendor Advisory](#)[bugs.torproject.org](#)[text/html](#) [CONFIRM bugs.torproject.org/24430](#)

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Debian	Debian Linux	8.0	All	All	All
Operating System	Debian	Debian Linux	9.0	All	All	All
Operating System	Debian	Debian Linux	8.0	All	All	All
Operating System	Debian	Debian Linux	9.0	All	All	All
Application	Tor Project	Tor	All	All	All	All
Application	Tor Project	Tor	All	All	All	All

cpe:2.3:o:debian:debian_linux:8.0:*****:

cpe:2.3:o:debian:debian_linux:9.0:*****:

cpe:2.3:o:debian:debian_linux:8.0:*****:

cpe:2.3:o:debian:debian_linux:9.0:*****:

cpe:2.3:a:tor_project:tor:*****:

cpe:2.3:a:tor_project:tor:*****:

No vendor comments have been submitted for this CVE

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