



CVE-2017-8820

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CVE-2017-8820

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, remote attackers can cause a denial of service (NULL pointer dereference and application crash) against directory authorities via a malformed descriptor, aka TROVE-2017-010.

CVE-2017-8820 has been assigned by [@security@debian.org](#) to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **7.5 - HIGH**

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

CVSS2 Score: **5 - MEDIUM**

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

CVE References

Description	Tags	Link
Debian -- Security Information -- DSA-4054-1 tor	Third Party Advisory www.debian.org Deprecated Link	@ DEBIAN DSA-4054

[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](https://blog.torproject.org/new-stable-tor-releases-security-fixes-0319-03013-02914-02817-02516)

#24245 (Fix TROVE-2017-010: Remote DoS attack against directory authorities) – Tor Bug Tracker & Wiki

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

 [CONFIRM bugs.torproject.org/24245](https://bugs.torproject.org/24245)

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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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