



# CVE-2021-28089

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

## Summary

<b>CVE</b>	CVE-2021-28089
<b>State</b>	PUBLIC
<b>Assigner</b>	cve@mitre.org
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2021-03-19 05:15:00 UTC
<b>Updated</b>	2023-11-07 03:32:00 UTC
<b>Description</b>	Tor before 0.4.5.7 allows a remote participant in the Tor directory protocol to exhaust CPU resources on a target, aka TRO

## Risk And Classification

### Problem Types: CWE-400

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	33	All	All	All
Application	<a href="#">Torproject</a>	<a href="#">Tor</a>	All	All	All	All
Application	<a href="#">Torproject</a>	<a href="#">Tor</a>	0.4.4.0	alpha	All	All
Application	<a href="#">Torproject</a>	<a href="#">Tor</a>	0.4.4.1	alpha	All	All
Application	<a href="#">Torproject</a>	<a href="#">Tor</a>	0.4.4.2	alpha	All	All
Application	<a href="#">Torproject</a>	<a href="#">Tor</a>	0.4.4.3	alpha	All	All

## References

Reference	Source	Link
Tor: Multiple vulnerabilities (GLSA 202107-25) — Gentoo security	GENTOO	<a href="https://security.gentoo.org">security.gentoo.org</a>
[SECURITY] Fedora 33 Update: tor-0.4.5.7-1.fc33 - package-announce - Fedora Mailing-Lists	FEDORA	<a href="https://lists.fedoraproject.org">lists.fedoraproject.org</a>
TROVE-2021-001: Bug in dump_desc() code (#40304) - Issues · The Tor Project / Core / Tor · GitLab	MISC	<a href="https://gitlab.torproject.org">gitlab.torproject.org</a>
[SECURITY] Fedora 33 Update: tor-0.4.5.7-1.fc33 - package-announce - Fedora Mailing-Lists		<a href="https://lists.fedoraproject.org">lists.fedoraproject.org</a>
New releases (with security fixes): Tor 0.3.5.14, 0.4.4.8, and 0.4.5.7   Tor Blog	CONFIRM	<a href="https://blog.torproject.org">blog.torproject.org</a>
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>

No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

<a href="#">178485</a> Debian Security Update for tor (DSA 4871-1)
<a href="#">180211</a> Debian Security Update for tor (CVE-2021-28089)
<a href="#">281072</a> Fedora Security Update for tor (FEDORA-2021-e68317166d)
<a href="#">281469</a> Fedora Security Update for tor (FEDORA-2021-e68317166d)
<a href="#">501260</a> Alpine Linux Security Update for tor
<a href="#">501698</a> Alpine Linux Security Update for tor
<a href="#">501930</a> Alpine Linux Security Update for tor
<a href="#">710051</a> Gentoo Linux Tor Multiple vulnerabilities (GLSA 202107-25)
<a href="#">750301</a> OpenSUSE Security Update for tor (openSUSE-SU-2021:0461-1)

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