



# CVE-2023-23589

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064\_img.jpg\)](#)

## Summary

<b>CVE</b>	CVE-2023-23589
<b>State</b>	PUBLIC
<b>Assigner</b>	cve@mitre.org
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2023-01-14 01:15:00 UTC
<b>Updated</b>	2023-11-07 04:07:00 UTC
<b>Description</b>	The SafeSocks option in Tor before 0.4.7.13 has a logic error in which the unsafe SOCKS4 protocol can be used but not th

## Risk And Classification

**Problem Types:** NVD-CWE-noinfo

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	<a href="#">Debian</a>	<a href="#">Debian Linux</a>	10.0	All	All	All
Operating System	<a href="#">Debian</a>	<a href="#">Debian Linux</a>	11.0	All	All	All
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	36	All	All	All
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	37	All	All	All
Application	<a href="#">Torproject</a>	<a href="#">Tor</a>	All	All	All	All

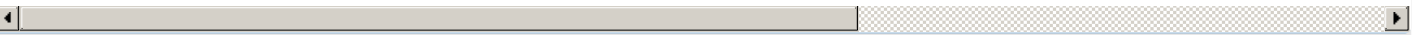
## References

### Reference

<a href="#">Debian -- Security Information -- DSA-5320-1 tor</a>
<a href="#">[SECURITY] Fedora 37 Update: tor-0.4.7.13-1.fc37 - package-announce - Fedora Mailing-Lists</a>
<a href="#">[SECURITY] [DLA 3286-1] tor security update</a>
<a href="#">TROVE-2022-002: The SafeSocks option for SOCKS4(a) is inverted leading to SOCKS4 going through (#40730) · Issues · The Tor Project / Core</a>
<a href="#">[SECURITY] Fedora 36 Update: tor-0.4.7.13-1.fc36 - package-announce - Fedora Mailing-Lists</a>
<a href="#">socks: Make SafeSocks refuse SOCKS4 and accept SOCKS4a (a282145b) · Commits · The Tor Project / Core / Tor · GitLab</a>
<a href="#">[SECURITY] Fedora 36 Update: tor-0.4.7.13-1.fc36 - package-announce - Fedora Mailing-Lists</a>
<a href="#">gitlab.torproject.org/tpo/core/tor/-/raw/release-0.4.7/ReleaseNotes</a>
<a href="#">[SECURITY] Fedora 37 Update: tor-0.4.7.13-1.fc37 - package-announce - Fedora Mailing-Lists</a>

CVE Program record

NVD vulnerability detail



No vendor comments have been submitted for this CVE.

### Legacy QID Mappings

[181479](#) Debian Security Update for tor (DSA 5320-1)

[181563](#) Debian Security Update for tor (DLA 3286-1)

[184167](#) Debian Security Update for tor (CVE-2023-23589)

[283632](#) Fedora Security Update for tor (FEDORA-2023-1254a1fc28)

[283633](#) Fedora Security Update for tor (FEDORA-2023-c290171664)

[710727](#) Gentoo Linux Tor Multiple Vulnerabilities (GLSA 202305-11)

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