

مجلس الأمن السيبراني
CYBER SECURITY COUNCIL



Denial of Service Vulnerability in OpenVPN Servers
Tracking #:432317046
Date:08-04-2025

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EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed a denial of service (DoS) vulnerability (CVE-2025-2704) exists in OpenVPN servers .

TECHNICAL DETAILS:

A denial of service (DoS) vulnerability (CVE-2025-2704) exists in OpenVPN servers running versions 2.6.1 through 2.6.13 with the `--tls-crypt-v2` feature enabled. Attackers can exploit this flaw by sending a combination of valid and malformed packets during the TLS handshake, triggering an assertion failure that crashes the server process. Exploitation requires either a valid `tls-crypt-v2` client key or the ability to inject crafted packets during the handshake phase.

This issue does not compromise cryptographic integrity, confidentiality, or allow remote code execution, but can be exploited to crash affected OpenVPN servers, making it a potential vector for service disruption by authorized users or advanced attackers with traffic injection capabilities.

- CVE ID: CVE-2025-2704
- Vulnerability Type: Assertion Failure leading to Denial of Service
- Component: OpenVPN Server (`--tls-crypt-v2` feature)
- Affected Versions: 2.6.1 through 2.6.13
- Severity: High
- Attack Vector: Network
- Impact: Denial of Service (Server crash)
- This bug does not affect OpenVPN clients.
- Unaffected Versions:
 - OpenVPN <2.6.1
 - OpenVPN 2.6.14 and above
 - OpenVPN 2.4.x and 2.5.x
 - Any OpenVPN 2.6 server not using `--tls-crypt-v2`

Fixed Versions:

- OpenVPN servers to version 2.6.14 or later

RECOMMENDATIONS:

The UAE Cyber Security Council recommends to upgrade OpenVPN servers to fixed version or later.

Kindly circulate this information to your subsidiaries and partners as well as share with us any relevant information and findings.

The UAE Cyber Security Council extends its appreciation for the continued collaboration.

REFERENCES:

- <https://community.openvpn.net/openvpn/wiki/CVE-2025-2704>