

مجلس الأمان السيبراني
CYBER SECURITY COUNCIL



United Arab Emirates

OpenVPN Driver Flaw Lets Attackers Crash Windows Systems

Tracking #:432317402

Date:23-06-2025

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EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed The OpenVPN community has disclosed a critical vulnerability affecting the OpenVPN driver for Windows, which can allow remote attackers to crash Windows systems through a specially crafted network packet.

TECHNICAL DETAILS:

The OpenVPN community has disclosed a critical vulnerability (CVE-2025-50054) affecting the OpenVPN driver for Windows, which can allow remote attackers to crash Windows systems through a specially crafted network packet. This flaw has been resolved in the OpenVPN 2.7_alpha2 release, which includes a patched driver in its MSI Windows installer.

Though this is an alpha release and not yet recommended for production environments, the vulnerability underscores the urgent need for administrators to evaluate driver-level security in VPN deployments. This vulnerability could be weaponized in a denial-of-service (DoS) scenario, impacting enterprise network availability and VPN stability.

Vulnerability Details

- **CVE ID:** CVE-2025-50054
- **Component:** Windows kernel-mode OpenVPN driver (wintun-based)
- **Attack Vector:** Network (remote packet)
- **Impact:** Unauthenticated attackers may send maliciously crafted traffic to crash systems running vulnerable OpenVPN driver instances.
- **Affected Versions:** OpenVPN for Windows using wintun driver (prior to OpenVPN 2.7_alpha2)
- **Fixed Version:** OpenVPN 2.7_alpha2 (June 19, 2025)

RECOMMENDATIONS:

The UAE Cyber Security Council recommends to upgrade OpenVPN driver to fixed version at the earliest.

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://openvpn.net/community-downloads/>