مجلس الأمن السيبراني
CYBER SECURITY COUNCIL
United Arab Emirates

Critical Vulnerability in Google Chrome
Tracking #:432317644
Date:27-08-2025

مجلس الأمن السيبراني
CYBER SECURITY COUNCIL
United Arab Emirates

EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed Google has released a Stable Channel Update for Chrome Desktop, addressing a critical vulnerability identified as CVE-2025-9478.

TECHNICAL DETAILS:

Google has released a Stable Channel Update for Chrome Desktop on August 26, 2025, addressing a critical vulnerability identified as CVE-2025-9478. The flaw is a Use-After-Free vulnerability in ANGLE (Almost Native Graphics Layer Engine), which could allow attackers to execute arbitrary code, leading to full system compromise. The vulnerability affects Windows, Mac, and Linux platforms. Immediate action is required to prevent exploitation.

Vulnerability Details
- CVE ID: CVE-2025-9478
- Severity: Critical
- Vulnerability Type: Use-After-Free in ANGLE (Graphics Processing Component)
- Patch Released: August 26, 2025
- Impact: Remote attackers can exploit this vulnerability to execute arbitrary code in the context of the browser, potentially leading to system compromise, data theft, or malware installation.
- Exploitation Vector: Likely via maliciously crafted web content (e.g., HTML, JavaScript) delivered through phishing or drive-by-download attacks.
- Fixed Versions:
  o Windows & Mac: 139.0.7258.154/.155
  o Linux: 139.0.7258.154

RECOMMENDATIONS:

- Update Chrome Immediately to the latest stable version.
- Enable Auto-Update in Chrome to receive security patches promptly.

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://chromereleases.googleblog.com/2025/08/stable-channel-update-for-desktop_26.html