

مجلس الأمن السيبراني
CYBER SECURITY COUNCIL



Actively Exploited Zero-Day Vulnerability in Google Chrome

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EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed Google has released a critical security update for Chrome Desktop addressing six vulnerabilities, including CVE-2025-6558, a zero-day actively exploited in the wild.

TECHNICAL DETAILS:

Google has released a **critical security update** for Chrome Desktop (version **138.0.7204.157/.158**) addressing **six vulnerabilities**, including **CVE-2025-6558**, a zero-day **actively exploited** in the wild. This high-severity vulnerability affects **ANGLE**, the graphics abstraction layer used by Chrome to render WebGL and GPU content.

The flaw, reported by Google's **Threat Analysis Group (TAG)**, allows attackers to manipulate rendering operations to execute arbitrary code by exploiting untrusted input validation in GPU processes. Combined with other vulnerabilities like an **integer overflow in V8 (CVE-2025-7656)** and a **use-after-free in WebRTC (CVE-2025-7657)**, this release is a **high-priority update** for all Chrome users.

Zero-Day Vulnerability Details

- CVE-2025-6558 – Zero-Day in ANGLE GPU Layer (High Severity)
- Component: ANGLE (Almost Native Graphics Layer Engine)
- Type: Improper input validation
- Impact: Malicious rendering input may trigger GPU-based code execution
- Status: Actively exploited

Fixed Version Details:

- 138.0.7204.157/.158 for Windows, Mac and 138.0.7204.157 for Linux

RECOMMENDATIONS:

The UAE Cyber Security Council recommends to update Google Chrome to the latest version.

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/2025/07/stable-channel-update-for-desktop_15.html