

مجلس الأمن السيبراني
CYBER SECURITY COUNCIL



Security Updates – Google Chrome

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EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed that Google has released security updates to address multiple high-severity vulnerabilities in the Chrome browser.

TECHNICAL DETAILS:

Google has promoted Chrome 142 to the Stable Channel for Windows, Mac, and Linux, addressing 20 security vulnerabilities, including several high-severity issues affecting the V8 JavaScript engine, Extensions, Media, and other components.

Several of these flaws could allow remote code execution (RCE), sandbox escape, or security policy bypass, potentially enabling attackers to compromise systems through malicious web content. The update also includes critical memory corruption fixes in the V8 engine, which is frequently targeted for browser-based exploitation.

Given Chrome's widespread usage across enterprise and personal systems, users and administrators are strongly advised to update immediately to mitigate potential exploitation.

High Severity Vulnerabilities:

- CVE-2025-12428: Type Confusion in V8
- CVE-2025-12429: Inappropriate implementation in V8
- CVE-2025-12430: Object lifecycle issue in Media
- CVE-2025-12431: Inappropriate implementation in Extensions
- CVE-2025-12432: Race in V8
- CVE-2025-12433: Inappropriate implementation in V8
- CVE-2025-12036: Inappropriate implementation in V8

Fixed Versions:

- Chrome 142.0.7444.59 (Linux) 142.0.7444.59/60 Windows and 142.0.7444.60 Mac

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/2025/10/stable-channel-update-for-desktop_28.html