

مجلس الأمن السيبراني
CYBER SECURITY COUNCIL



Security Updates – Chrome OS

Tracking #:432317624

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EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed that Google has released security updates to address multiple vulnerabilities in Chrome OS.

TECHNICAL DETAILS:

Google has released security updates for ChromeOS and ChromeOS Flex to address multiple vulnerabilities affecting both the Long Term Support (LTS) and Stable channels. The updates include fixes for high-severity memory corruption and type confusion issues in critical components, including V8, WebRTC, and ANGLE, as well as additional third-party components.

Long Term Support (LTS) Channel Update:

- **CVE-2025-7657:** Use-after-free in WebRTC (High)
- **CVE-2025-7656:** Integer overflow in V8 (High)
- **CVE-2025-8010:** Type confusion in V8 (High)

Fixed Version: 132.0.6834.241 (Platform Version: 16093.115.0)

Stable Channel Update:

Third-Party Components:

- **CVE-2025-0932:** Use-after-free in Arm Ltd Bifrost GPU Userspace Driver (High)
- **CVE-2025-38349:** Use-after-free vulnerability on Linux systems as a local user (Medium)

Chrome Browser:

- **CVE-2025-8578:** Use-after-free in Cast (Medium)
- **CVE-2025-8581:** Inappropriate implementation in Extensions (Low)
- **CVE-2025-8576:** Use-after-free in Extensions (Medium)
- **CVE-2025-8580:** Inappropriate implementation in Filesystems (Low)
- **CVE-2025-8583:** Inappropriate implementation in Permissions (Low)
- **CVE-2025-8582:** Insufficient validation of untrusted input in DOM (Low)
- **CVE-2025-8901:** Out-of-bounds write in ANGLE (High)
- **CVE-2025-8881:** Inappropriate implementation in File Picker (Medium)
- **CVE-2025-8880:** Race condition in V8 (High)
- **CVE-2025-8879:** Heap buffer overflow in libaom (High)

Fixed Version: M-139, ChromeOS 16328.55.0 (Browser 139.0.7258.137)

RECOMMENDATIONS:

The UAE Cyber Security Council recommends applying the security updates recently released by Google for Chrome OS.

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/long-term-support-channel-update-for_20.html
- <https://chromereleases.googleblog.com/2025/08/stable-channel-update-for-chromeos.html>