

مجلس الأمن السيبراني  
CYBER SECURITY COUNCIL



**Critical Security Updates-Google Chrome**

Tracking #:432317083

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## EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed that Google has released a critical security update for Chrome, addressing two high-impact vulnerabilities.

## TECHNICAL DETAILS:

Google has released a critical security update for Chrome, addressing two high-impact vulnerabilities: CVE-2025-3619 (Critical, Heap Buffer Overflow in Codecs) and CVE-2025-3620 (High, Use-After-Free in USB). These vulnerabilities could allow remote attackers to execute arbitrary code and potentially take control of affected systems. Immediate action is required to mitigate the risk of exploitation, as attackers may attempt to leverage these flaws before widespread patch adoption.

### Key Vulnerabilities:

#### 1. CVE-2025-3619 – Critical

- **Vulnerability Type:** Heap Buffer Overflow in Codecs
- **Severity:** Critical
- **Impact:** Arbitrary code execution, potential full system compromise
- **Description:** A heap buffer overflow in Chrome's codecs component allows attackers to overwrite memory, resulting in potential remote code execution. This issue poses a high exploitation risk and should be remediated urgently.

#### 2. CVE-2025-3620 – High

- **Vulnerability Type:** Use-After-Free in USB Subsystem
- **Severity:** High
- **Impact:** Arbitrary code execution
- **Description:** This use-after-free vulnerability occurs when memory is accessed after being released, which can be exploited to run malicious code within the context of the Chrome browser.

### Fixed Versions:

- Stable Channel Update for Desktop: 135.0.7049.95/.96 for Windows, Mac and 135.0.7049.95 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/2025/04/stable-channel-update-for-desktop\\_15.html](https://chromereleases.googleblog.com/2025/04/stable-channel-update-for-desktop_15.html)