



مجلس الأمن السيبراني
CYBER SECURITY COUNCIL



Security Updates- Google Chrome Multiple Vulnerabilities

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EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed that Google released emergency security updates to address multiple vulnerabilities in the Chrome web browser, including a new zero-day vulnerability that is being actively exploited by threat actors.

TECHNICAL DETAILS:

On May 15, 2024, Google released emergency security updates to address multiple vulnerabilities in the Chrome web browser, including a new zero-day vulnerability (CVE-2024-4947) actively exploited by threat actors. This is the third zero-day vulnerability patched by Google within a week. This update includes 9 security fixes, including the following vulnerabilities. These vulnerabilities could potentially allow attackers to remotely execute arbitrary code on a victim's machine, leading to compromise of the system.

Vulnerabilities Details:

- **CVE-2024-4947 (High):** Type Confusion in V8. This vulnerability allows an attacker to execute arbitrary code on a victim's machine by exploiting a type confusion error in the V8 JavaScript engine.
- **CVE-2024-4948 (High):** Use after free in Dawn. This vulnerability can be exploited by an attacker to crash the browser or potentially execute arbitrary code.
- **CVE-2024-4949 (Medium):** Use after free in V8. Similar to CVE-2024-4948, this vulnerability can lead to a browser crash or potentially arbitrary code execution.
- **CVE-2024-4950 (Low):** Inappropriate implementation in Downloads. This vulnerability could potentially allow an attacker to bypass certain security restrictions.

Fixed Version:

- **Stable Channel Update**
 - Chrome 125.0.6422.60/.61 for Mac and Windows
 - Chrome 125.0.6422.60 for Linux
- **Extended Stable Channel Update**
 - Chrome 124.0.6367.221 for Windows and Mac
- **Chrome for Android**
 - Chrome 125 (125.0.6422.53)

RECOMMENDATIONS:

The UAE Cyber Security Council recommends updating 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/2024/05/extended-stable-channel-update-for.html>
- https://chromereleases.googleblog.com/2024/05/stable-channel-update-for-desktop_15.html
- https://chromereleases.googleblog.com/2024/05/chrome-for-android-update_15.html