Indian Computer Emergency Response Team
Ministry of Electronics and Information Technology
Government of India

CERT-In Vulnerability Note CIVN-2023-0297
Multiple Vulnerabilities in Google ChromeOS

Original Issue Date:October 11, 2023

Severity Rating: HIGH

Software Affected

- Google ChromeOS LTS channel prior to 114.0.5735.337 (Platform Version: 15437.74.0)

Overview

Multiple Vulnerabilities have been reported in Google ChromeOS LTS which could be exploited by a remote attacker to cause denial of service condition, elevation of privilege and remote code execution on the targeted system.

Description

These vulnerabilities exist in Google ChromeOS LTS due to Use after free in Extensions, Heap buffer overflow in vp8 encoding in libvpx, Out of bounds memory access in FedCM, flaws in AMD platforms and issues in Linux Kernel. A remote attacker could exploit these vulnerabilities by sending a specially crafted request on the targeted system.
Successful exploitation of these vulnerabilities could allow a remote attacker to cause denial of service condition, elevation of privilege and remote code execution on the targeted system.

Note: The vulnerability CVE-2023-5217 is being exploited in the wild.

Solution

Apply appropriate updates as mentioned
https://chromereleases.googleblog.com/2023/10/long-term-support-channel-update-for.html

Vendor Information

Google Chrome
https://chromereleases.googleblog.com/2023/10/long-term-support-channel-update-for.html

References

Google Chrome
https://chromereleases.googleblog.com/2023/10/long-term-support-channel-update-for.html

CVE Name
CVE-2023-2163
CVE-2023-3777
CVE-2023-4015
CVE-2023-4208
CVE-2023-4366
CVE-2023-4622
CVE-2023-4761
CVE-2023-5187
CVE-2023-5217
CVE-2023-20593
CVE-2023-40283

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