

POSTING DATE: 2025/12/17

[VULNERABILITY ALERT] 5 High-Risk Security Vulnerabilities in Chromium-Based Browsers, Please Verify and Patch Immediately

(CVE-2025-13630) (CVE-2025-13631)

(CVE-2025-13633) (CVE-2025-13638)

(CVE-2025-13720)

- Subject: [VULNERABILITY ALERT] 5 High-Risk Security Vulnerabilities in Chromium-Based Browsers, Please Verify and Patch Immediately (CVE-2025-13630) (CVE-2025-13631) (CVE-2025-13633) (CVE-2025-13638) (CVE-2025-13720)
- Content Description:
 - Forwarded from National Information Security Information Sharing and Analysis Center Security Alert NISAC-200-202512-00000131
 - Researchers have discovered 5 high-risk security vulnerabilities in Chromium-based browsers such as Google Chrome, Microsoft Edge, Vivaldi, and Brave. These include Type Confusion (CVE-2025-13630), Privilege Escalation (CVE-2025-13631), Use After Free (CVE-2025-13633 and CVE-2025-13638), and Incorrect Type Conversion or Cast (CVE-2025-13720). In the most severe case, an unauthenticated remote attacker could execute arbitrary code on the user's side. Please verify and patch as soon as possible.
- Affected Platforms:
 - Google Chrome (Linux and Windows) versions prior to 143.0.7499.40
 - Google Chrome (Mac) versions prior to 143.0.7499.41
 - Microsoft Edge versions prior to 143.0.3650.66
 - Vivaldi versions prior to 7.7.3851.58
 - Brave versions prior to 1.85.111
- Recommended Actions:

1. Please update Google Chrome browser to version 143.0.7499.40/41 (inclusive) or later:
<https://support.google.com/chrome/answer/95414?hl=zh-Hant>

2. Please update Microsoft Edge browser to version 143.0.3650.66 (inclusive) or later:
<https://support.microsoft.com/en-us/topic/microsoft-edge-update-settings-af8aaca2-1b69-4870-94fe-18822dbb7ef1>

3. Please update Vivaldi browser to version 7.7.3851.58 (inclusive) or later: <https://help.vivaldi.com/desktop/install-update/update-vivaldi/>

4. Please update Brave browser to version 1.85.111 (inclusive) or later:
<https://community.brave.com/t/how-to-update-brave/384780>

* Reference Material:

- <https://nvd.nist.gov/vuln/detail/CVE-2025-13630>
- <https://nvd.nist.gov/vuln/detail/CVE-2025-13631>
- <https://nvd.nist.gov/vuln/detail/CVE-2025-13633>
- <https://nvd.nist.gov/vuln/detail/CVE-2025-13638>
- <https://nvd.nist.gov/vuln/detail/CVE-2025-13720>

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