



CVE-2025-21253: MICROSOFT EDGE FOR IOS AND ANDROID SPOOFING VULNERABILITY

Vairav Advisory Report

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EXECUTIVE SUMMARY

A vulnerability **CVE-2025-21253** has been identified in Microsoft Edge for iOS and Android. It allows an attacker to present fake UI elements that deceive users into clicking on malicious links or disclosing sensitive data. If exploited, this vulnerability could lead to phishing, credential theft and brand trust erosion.

VULNERABILITY DETAILS

CVE-2025-21253

- **Description:** This vulnerability occurs due to an attacker being able to manipulate how user interface elements are displayed.
- **Impact:** If exploited, this vulnerability allows an attacker to mimic trusted interface elements or notifications to lead users into believing they are interacting with genuine Microsoft content and potentially use that to redirect users to malicious websites and compromising personal information.
- **CVSS Score:** 5.3 (Medium)

AFFECTED VERSIONS

- Microsoft Edge for iOS < 133.0.3065.51
- Microsoft Edge for Android < 133.0.3065.51

EXPLOIT DETAILS

This vulnerability allows an attacker to manipulate how user interface elements are displayed to mimic login windows and system notifications. These mimicked interfaces could trick users into entering passwords or other sensitive data. Once a foothold is established, this vulnerability can be used to spread malicious payloads across networks or different devices.

RECOMMENDED ACTIONS

Patch and upgrade to

- Microsoft Edge for iOS - 133.0.3065.51
- Microsoft Edge for Android - 133.0.3065.51

ADDITIONAL SECURITY MEASURES

- Always keep your browser updated to proactively mitigate known vulnerabilities.
- Be cautious of unusual prompts that seem out of place.
- Consider using a security software to add an extra layer of protection to your mobile device.

REFERENCES

- <https://app.opencve.io/cve/CVE-2025-21253>
- <https://msrc.microsoft.com/update-guide/vulnerability/CVE-2025-21253>
- <https://windowsforum.com/threads/cve-2025-21253-security-flaw-in-microsoft-edge-affects-mobile-users.351516/>

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