مجلس الأمن السيبراني
CYBER SECURITY COUNCIL
United Arab Emirates

Remote Code Execution Vulnerability in Microsoft Edge (Chromium-based)
Tracking #:432317753
Date:26-09-2025

TLP: WHITE

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EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed a Microsoft has disclosed a remote code execution (RCE) vulnerability in its Chromium-based Edge browser.

TECHNICAL DETAILS:

Microsoft has disclosed a remote code execution (RCE) vulnerability in its Chromium-based Edge browser, tracked as CVE-2025-59251. The flaw is rated CVSS 7.6 (High) and stems from improper handling of user interactions within a network-based attack scenario.

Exploitation requires a victim to be authenticated and to click a maliciously crafted link. An unauthenticated attacker could then execute arbitrary code in the context of the logged-in user, potentially leading to sensitive data exposure, integrity compromise, and limited denial of service (DoS) within the browser tab.

Organizations relying on Microsoft Edge for secure web access should prioritize patching and adopt mitigations until updates are fully applied.

Vulnerability Details
- **CVE ID:** CVE-2025-59251
- **Vector:** CVSS:3.1/AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:L/RC:C
- **Attack Vector:** Network – delivered via malicious links.
- **Attack Complexity:** Low – minimal attacker effort required.
- **Privileges Required:** Low – requires an authenticated client.
- **User Interaction:** Required – victim must click a crafted link.
- **Impact:**
  - **Confidentiality (C:H):** Exposure of sensitive browsing or session data.
  - **Integrity (I:H):** Potential modification of disclosed or stored information.
  - **Availability (A:L):** Forced browser tab crashes, causing limited DoS.
- **Fixed Version**: Microsoft Edge Version140.0.3485.81

RECOMMENDATIONS:

- **Apply Security Updates Immediately**: Update Microsoft Edge to the latest patched version as soon as it becomes available.

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.

REFERNCES:

- https://msrc.microsoft.com/update-guide/vulnerability/CVE-2025-59251