مجلس الأمن السيبراني
CYBER SECURITY COUNCIL
United Arab Emirates

Security Updates – Mozilla
Tracking #:432317719
Date:17-09-2025

TLP: WHITE

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EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed that Mozilla has released security updates to address multiple vulnerabilities in its products.

TECHNICAL DETAILS:

Mozilla has released security updates to address multiple vulnerabilities affecting Firefox, Thunderbird, and Focus for iOS. Exploitation of these vulnerabilities could allow an attacker to escape the browser sandbox, execute arbitrary code, or spoof trusted websites.

Vulnerability Details:
High Severity
- **CVE-2025-10527** – Sandbox escape due to use-after-free in the Graphics: Canvas2D component
  Improper memory management could lead to sandbox escape and potential remote code execution.
- **CVE-2025-10528** – Sandbox escape due to undefined behavior in the Graphics: Canvas2D component
  An invalid pointer condition in the Canvas2D graphics processing could allow attackers to bypass sandbox protections.
- **CVE-2025-10537** – Memory safety bugs fixed in Firefox ESR 140.3, Thunderbird ESR 140.3, Firefox 143, and Thunderbird 143
  Memory safety issues have been identified and fixed, some of which could be exploited to execute arbitrary code.

Moderate Severity
- **CVE-2025-10290** – Toolbar UI spoofing in Focus for iOS
  Opening links via the contextual menu would not update the toolbar UI correctly, enabling attackers to spoof legitimate websites.
- **CVE-2025-10533** – Integer overflow in the SVG component
  An integer overflow could result in incorrect rendering or potentially exploitable conditions.

Affected Products and Fixed Versions:
- Thunderbird 140.3
- Thunderbird 143
- Focus for iOS 143.0
- Firefox ESR 140.3
- Firefox ESR 115.28
- Firefox 143

RECOMMENDATIONS:

The UAE Cyber Security Council recommends applying the latest updates released by Mozilla.

Kindly circulate this information to your subsidiaries and partners as well as share with us any relevant information and findings.

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The UAE Cyber Security Council extends its appreciation for the continued collaboration.

REFERENCES:

- https://www.mozilla.org/en-US/security/advisories/