



مجلس الأمن السيبراني  
CYBER SECURITY COUNCIL



**Security Updates-Multiple Vulnerabilities Mozilla Products**

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## EXECUTIVE SUMMARY:

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

## TECHNICAL DETAILS:

On March 19, 2024 Mozilla released security updates to address multiple vulnerabilities in Firefox, Firefox ESR, and Thunderbird. These vulnerabilities could potentially allow attackers to execute arbitrary code, bypass security restrictions, or cause crashes on affected systems.

### Critical and High-Severity Vulnerability Details:

- **CVE-2024-2615 (Critical):** Memory safety bugs were fixed in Firefox 124. These vulnerabilities could potentially allow attackers to execute arbitrary code on a victim's machine.
- **CVE-2024-2605 (High):** An attacker could potentially exploit the Windows Error Reporter to escape the browser's sandbox, leading to further attacks on the system.
- **CVE-2024-2606 (High):** Mishandling of WASM register values could lead to unexpected behavior or crashes.
- **CVE-2024-2607 (High):** Certain JIT code failed to save return registers on Armv7-A processors, potentially leading to code execution issues.
- **CVE-2024-2608 (High):** An integer overflow vulnerability could have allowed an attacker to write data to unintended memory locations.
- **CVE-2024-2614 (High):** Additional memory safety bugs were addressed.
- **CVE-2024-0743 (High):** A crash vulnerability was found in the NSS TLS method.
- **CVE-2024-2616 (High):** Improved handling of out-of-memory conditions in ICU helps mitigate potential vulnerabilities

### Fixed Versions:

- Firefox 124
- Firefox ESR 115.9
- Thunderbird 115.9

## RECOMMENDATIONS:

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

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.

## REFERENCES:

1. <https://www.mozilla.org/en-US/security/advisories/mfsa2024-12/>
2. <https://www.mozilla.org/en-US/security/advisories/mfsa2024-13/>
3. <https://www.mozilla.org/en-US/security/advisories/mfsa2024-14/>