مجلس الأمن السيبراني
CYBER SECURITY COUNCIL
United Arab Emirates

Critical Zero-Day Vulnerabilities in Adobe Experience Manager (AEM)
Tracking #:432317573
Date:07-08-2025

TLP: WHITE

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EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed that Adobe has released emergency security updates to address two critical zero-day vulnerabilities in AEM Forms on JEE.

TECHNICAL DETAILS:

Critical zero-day vulnerabilities have been identified in Adobe Experience Manager (AEM) Forms on JEE. A Proof-of-Concept (PoC) exploit chain has been publicly disclosed, which could lead to unauthenticated remote code execution (RCE) on vulnerable instances.

Vulnerability Details:
- **CVE-2025-54253** – Arbitrary Code Execution
  - **Severity:** Critical
  - **CVSS v3.1 Score:** 10.0
  - **Type:** Misconfiguration leading to code execution
  - **Impact:** Full system compromise
  - **Description:** This vulnerability allows attackers to bypass security mechanisms and execute arbitrary code on affected systems. Exploitation does **not require user interaction**, and the scope of impact is elevated, making it especially dangerous for internet-facing or internal AEM instances.

- **CVE-2025-54254** – XML External Entity (XXE) Injection
  - **Severity:** High
  - **CVSS v3.1 Score:** 8.6
  - **Type:** Improper restriction of XML external entity references
  - **Impact:** Information disclosure
  - **Description:** Attackers can exploit this flaw to read arbitrary files from the local file system, potentially exposing sensitive data such as credentials, configuration files, or internal documentation. Like CVE-2025-54253, this vulnerability does **not require user interaction**.

Affected Versions
- Adobe AEM Forms on JEE: Versions 6.5.23.0 and earlier

Fixed Version
- Adobe AEM Forms on JEE: Version 6.5.0-0108 or later

RECOMMENDATIONS:

The UAE Cyber Security Council recommends applying the fixed updates released by Adobe.

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.

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REFERENCES:

- https://helpx.adobe.com/security/products/aem-forms/apsb25-82.html