

مجلس الأمن السيبراني
CYBER SECURITY COUNCIL



Zero-Day Vulnerability in Synapse

Tracking #:432317016

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EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed a zero-day vulnerability, identified as CVE-2025-30355, has been discovered in Synapse, an open-source Matrix homeserver implementation maintained by Element.

TECHNICAL DETAILS:

A zero-day vulnerability, identified as **CVE-2025-30355**, has been discovered in Synapse, an open-source Matrix homeserver implementation maintained by Element. This vulnerability allows a malicious server to send malformed events, resulting in a federation denial-of-service (DoS) condition, effectively isolating affected servers from the broader Matrix network. The flaw is actively being exploited in the wild, making it imperative for administrators to take immediate remediation steps.

Vulnerability Details

- CVE ID: CVE-2025-30355
- CVSS Score: 7.1 (High)
- Type: Denial-of-Service (DoS) via malformed federation events
- Description:
 - A malicious actor operating a federated Matrix server can craft and send specially malformed events to a vulnerable Synapse server.
 - Upon processing these events, the targeted Synapse instance can become unable to federate with other Matrix homeservers, effectively disrupting communications and isolating the server from the broader network.
 - **The vulnerability is confirmed to be actively exploited in the wild.**
- Software: Synapse (Matrix homeserver implementation)
- Affected Versions: Up to 1.127.0
- Fixed Version: 1.127.1

RECOMMENDATIONS:

The UAE Cyber Security Council recommends all administrators must upgrade Synapse to the fixed version as soon as possible to mitigate this vulnerability.

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:

- <https://github.com/element-hq/synapse/releases/tag/v1.127.1>