مجلس الأمن السيبراني
CYBER SECURITY COUNCIL
United Arab Emirates

Critical SQL Injection Vulnerability in ADOdb PHP Library

Tracking #:432317212

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TLP: WHITE

EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed that a critical SQL injection vulnerability has been discovered in ADOdb, a popular PHP database abstraction library.

TECHNICAL DETAILS:

A critical SQL injection vulnerability has been discovered in ADOdb, a popular PHP database abstraction library used in over 2.8 million deployments globally. Tracked as CVE-2025-46337 and rated CVSS 10.0 (Critical), the flaw affects the PostgreSQL driver's pg_insert_id() method. Improper handling of user input in the $fieldname parameter allows attackers to inject and execute arbitrary SQL commands, potentially compromising entire databases.

Vulnerability Details:

- **Vulnerability ID:** CVE-2025-46337
- **CVSS Score:** 10.0 (Critical)
- **Library Affected:** ADOdb (PHP)
- **Vulnerable Function:** pg_insert_id()
- **Vulnerable Parameter:** $fieldname
- **Patched Version:** ADOdb 5.22.9 (commit 11107d6)
- **Affected Drivers:**
  - postgres64
  - postgres7
  - postgres8
  - postgres9
- **Workarounds**
  - Only pass controlled data to pg_insert_id() method's $fieldname parameter, or escape it with pg_escape_identifier() first.

RECOMMENDATIONS:

- Organizations should upgrade ADOdb to fixed version or apply temporary Mitigation (if unable to upgrade immediately)

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/ADOdb/ADOdb/security/advisories/GHSA-8x27-jwjr-8545