مجلس الأمن السيبراني
CYBER SECURITY COUNCIL
United Arab Emirates

Critical Information Disclosure Vulnerability in Squid

Tracking #:432317842

Date:21-10-2025

EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed a critical vulnerability in Squid, a widely used open-source caching proxy. The flaw stems from Squid's failure to properly redact HTTP authentication credentials in error responses, potentially exposing sensitive data such as tokens or passwords.

TECHNICAL DETAILS:

A critical information disclosure vulnerability has been identified in Squid, an open-source caching proxy widely used for web traffic acceleration. Tracked as CVE-2025-62168 with a CVSS score of 10.0, the flaw allows attackers to obtain sensitive authentication tokens through improperly redacted HTTP credentials in Squid's error handling system.

Vulnerability Details

- **CVE-2025-62168**
- CVSS score 10.0 Critical
- The issue arises when Squid fails to redact HTTP authentication data from error pages. This flaw enables specially crafted scripts to bypass browser security mechanisms and capture authentication credentials used by trusted clients or backend applications.
- Successful exploitation can lead to:
    - Disclosure of sensitive authentication credentials or tokens
    - Impersonation of legitimate users and clients
    - Potential compromise of backend systems or web applications utilizing Squid as a reverse proxy

Affected Versions

- All Squid versions up to and including 7.1

Fixed Versions

- Squid Version 7.2 or later

RECOMMENDATIONS:

- Upgrade immediately to Squid 7.2 or later.
- Disable debug information in error pages as a temporary safeguard.
- Audit proxy logs and configurations for potential data exposure.
- Rotate credentials that may have been processed through vulnerable Squid instances.

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://nvd.nist.gov/vuln/detail/CVE-2025-62168