مجلس الأمن السيبراني
CYBER SECURITY COUNCIL
United Arab Emirates

Security Updates – Django Framework

Tracking #:432318509

Date:04-03-2026

EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed that Django has released security updates to address multiple vulnerabilities in its products.

TECHNICAL DETAILS:

The Django has released security updates addressing two vulnerabilities affecting supported versions of the framework. The releases **6.0.3**, **5.2.12**, and **4.2.29** remediate a moderate-severity Denial-of-Service (DoS) vulnerability and a low-severity issue related to incorrect file permissions.

Vulnerability Details

CVE-2026-25673 – Potential Denial-of-Service in URLField (Windows)

- **Severity:** Moderate
- A vulnerability was identified in django.forms.URLField within the to_python() method. The method previously used urllib.parse.urlsplit() to determine whether to prepend a URL scheme to user-supplied input.
- On Windows systems, urlsplit() performs Unicode NFKC normalization (unicodedata.normalize), which can be computationally expensive when handling large inputs containing specific crafted characters. This behavior could allow an attacker to submit maliciously crafted data that consumes excessive processing time, potentially leading to a Denial-of-Service (DoS) condition.

CVE-2026-25674 – Potential Incorrect Permissions on File System Objects

- **Severity:** Low
- A vulnerability was discovered in Django's file-system storage and file-based cache backends. The framework previously relied on the process-wide umask setting to determine permissions when creating directories.
- In multi-threaded environments, temporary umask changes made by one thread could affect other threads, potentially resulting in file system objects being created with unintended permissions.

Affected Products

- Django main
- Django 6.0
- Django 5.2
- Django 4.2

Fixed Versions

- Django 6.0.3
- Django 5.2.12
- Django 4.2.29
- Django main branch - Patched

RECOMMENDATIONS:

The UAE Cyber Security Council recommends updating the affected versions to the fixed or latest versions released by Django.

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://www.djangoproject.com/weblog/2026/mar/03/security-releases/