

مجلس الأمن السيبراني  
CYBER SECURITY COUNCIL



**High Severity Vulnerability in GeoServer WMS**

Tracking #:432318079

Date:27-11-2025

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## EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed that a high-severity XML External Entity (XXE) vulnerability has been identified in GeoServer.

## TECHNICAL DETAILS:

A high-severity XML External Entity (XXE) vulnerability has been identified in GeoServer, impacting versions 2.25.0–2.25.5 and 2.26.0–2.26.1 for both Docker distributions and Maven packages (org.geoserver.web:gs-web-app and org.geoserver:gs-wms).

The flaw allows unauthenticated remote attackers to abuse the WMS GetMap endpoint (/geoserver/wms) by submitting specially crafted XML payloads. Successful exploitation may lead to arbitrary file disclosure, Server-Side Request Forgery (SSRF), or Denial of Service (DoS).

### Vulnerability Details:

- CVE ID: CVE-2025-58360
- Severity: 8.2, High
- The application accepts XML input through a specific endpoint /geoserver/wms operation GetMap. However, this input is not sufficiently sanitized or restricted, allowing an attacker to define external entities within the XML request
- Fixed GeoServer version:
  - 2.25.6
  - 2.26.2 / 2.26.3
  - 2.27.0

Component Type	Affected Versions	Patched Versions
Docker Image: docker.osgeo.org/geoserver	$\geq 2.26.0$ to $\leq 2.26.1$ , $\leq 2.25.5$	2.26.2 / 2.26.3, 2.25.6
Maven: org.geoserver.web:gs-web-app	$\geq 2.26.0$ to $\leq 2.26.1$ , $\leq 2.25.5$	2.26.2, 2.25.6
Maven: org.geoserver:gs-wms	$\geq 2.26.0$ to $\leq 2.26.1$ , $\leq 2.25.5$	2.26.2, 2.25.6

## RECOMMENDATIONS:

The UAE Cyber Security Council recommends to upgrade GeoServer to a secure version.

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/geoserver/geoserver/security/advisories/GHSA-fjf5-xgmq-5525>