

مجلس الأمن السيبراني  
CYBER SECURITY COUNCIL



**High-Severity Vulnerability in F5 NGINX Ingress Controller**

Tracking #:432318153

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## EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed a high-severity vulnerability in the F5 NGINX Ingress Controller could allow an authenticated user to modify ingress configurations, potentially leading to data exposure, privilege escalation, or service disruption.

## TECHNICAL DETAILS:

A vulnerability exists in the NGINX Ingress Controller related to insufficient validation of the `nginx.org/rewrite-target` annotation. An authenticated user with ingress creation privileges could exploit this issue to inject arbitrary NGINX configuration directives, potentially resulting in information disclosure, privilege escalation, or service disruption.

### Vulnerability Details

- **CVE-2025-14727**
- **CVSS v4.0:** 8.7 High
- Improper validation of ingress annotations allows authenticated users with ingress creation privileges to inject arbitrary configuration directives into NGINX.

### Impact

Exploitation of this vulnerability may allow an attacker to:

- Inject arbitrary NGINX configuration directives.
- Access sensitive information or configuration details (information disclosure).
- Gain elevated privileges within the application environment (privilege escalation).
- Cause service disruption or application downtime.

### Affected Versions

- NGINX Ingress Controller 5.x: 5.3.0

### Fixed Versions

- NGINX Ingress Controller 5.x: 5.3.1 or later

## RECOMMENDATIONS:

The UAE Cyber Security Council recommends applying the mitigation or workaround provided by F5.

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://my.f5.com/manage/s/article/K000158176>