



مجلس الأمن السيبراني  
CYBER SECURITY COUNCIL



**Critical XSS Vulnerability in Argo CD**

Tracking #:432317330

Date:30-05-2025

THE INFORMATION CONTAINED WITHIN IS THE PROPERTY OF THE CYBER SECURITY COUNCIL OF THE UNITED ARAB EMIRATES GOVERNMENT AND IS TO BE USED EXCLUSIVELY FOR INTELLIGENCE PURPOSES. IT MAY NOT BE USED IN ANY LEGAL OR PUBLIC MATTER WITHOUT THE EXPLICIT APPROVAL OF THE CYBER SECURITY COUNCIL

## EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed a critical vulnerability in Argo CD that could be exploited to execute malicious code on affected systems, potentially compromising Kubernetes clusters.

## TECHNICAL DETAILS:

### Vulnerability Details:

- CVE-2025-47933
- CVSS Base Score: 9.0 **CRITICAL**
- A critical cross-site scripting (XSS) vulnerability has been identified in Argo CD, a popular open-source GitOps continuous delivery tool for Kubernetes. This flaw resides in the repository URL handling mechanism within the Argo CD user interface, due to improper validation of URL protocols in the `ui/src/app/shared/components/urls.ts` file.
- An attacker with the ability to modify repository settings can craft malicious javascript: URLs. When clicked by another authenticated user, these links execute arbitrary JavaScript in the victim's browser context, potentially compromising the Kubernetes environment.
- Exploitation of this vulnerability enables attackers to:
  - Execute arbitrary JavaScript in the context of authenticated users
  - Hijack user sessions and exfiltrate credentials
  - Manipulate Kubernetes resources through unauthorized API actions
  - Compromise the confidentiality and integrity of managed clusters

### Package:

- [github.com/argoproj/argo-cd](https://github.com/argoproj/argo-cd) (Go)

### Affected Versions:

- `>=1.2.0-rc1`

### Fixed Versions:

- `3.0.4, 2.14.13, 2.13.8`

## RECOMMENDATIONS:

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

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-2025-47933>