

## Security Bulletin

# Vulnerabilities in libxml2 - CVE-2024-56171, CVE-2025-24928, CVE-2025-27113

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## List of changes

Version	Date	Description
0.1	2025/05/13	Initial Eviden version
0.2	2025/08/06	Changes in affected product table
0.3	2025/11/18	Minor changes

## Executive summary

Libxml2, a widely used XML parsing library developed for the GNOME project but also utilized across various platforms, including Linux, Windows, macOS, and Unix-based systems, has been found to contain multiple vulnerabilities. These vulnerabilities, identified as CVE-2024-56171, CVE-2025-24928, and CVE-2025-27113, have been addressed in the latest releases of libxml2.

## Vulnerability Info

CVE No.	CVSS Score	Type of Vulnerability
CVE-2024-56171	7.8	Use After Free
CVE-2025-24928	7.8	Stack-based Buffer Overflow
CVE-2025-27113	2.9	NULL Pointer Dereference

Eviden is investigating the exact nature of these vulnerabilities to provide validated remediation.

## Affected products

Products	Fixed version	Status	Comments
libxml2	2.12.10 2.13.6	Fixed	

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TBD (to be defined) indicates that a new version fixing the vulnerabilities is under study.

Unpatched means that the vulnerability is presumably present, but there is no plan to provide a fix. This can be investigated on demand.

## List of HPC Management products

Products	Fixed version	Status	Comment
Argos	1.1	Fixed	Argos 1.1 is affected by all 3 CVEs. Upcoming Argos 2.0 will fix both CVE-2024-56171 and CVE-2025-24928 but CVE-2025-27113 will remain unpatched: Red Hat has deferred fix, and as of today Argos is not even using any XML input.

## Recommendations

Eviden recommends applying its Technical States upgrade on its servers as soon as they are made available.

## Available Vendor Patches

No validated patch is available at the time. Eviden is working with its suppliers to distribute updates as soon as possible.

## Available Workarounds

No workaround is available.

## Available Mitigations

No mitigation identified.

## Available Exploits/PoC

Eviden is not aware of any exploitation of the reported vulnerabilities.

## References

1. <https://securityonline.info/cve-2024-56171-cve-2025-24928-libxml2-flaws-could-lead-to-code-execution/>
2. <https://access.redhat.com/security/cve/CVE-2024-56171>
3. <https://access.redhat.com/security/cve/CVE-2025-24928>
4. <https://access.redhat.com/security/cve/CVE-2025-27113>



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## Glossary of terms

Term	Description
Mitigation	Refers to a setting, common configuration, or general best-practice, existing in a default state that could reduce the severity of exploitation of a vulnerability
Neutralization	The neutralization phase is the decision-making process during which the risk posed by an incident is evaluated.
PoC	Proof of Concept
Remediation	The remediation phase ends with the delivering of a qualified solution/update fixing the vulnerability without regression.
TI	Threat Intelligence
TLP	Traffic Light Protocol (TLP) FIRST Standards Definitions and Usage Guidance — Version 2.0. <a href="https://www.first.org/tlp/">https://www.first.org/tlp/</a>
Workaround	Refers to a setting or configuration change that does not correct the underlying vulnerability but would help block known attack vectors before you apply the update

## About this document

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- Privately disclosed Remediation security bulletins are numbered 1.x
- Publicly disclosed Remediation security bulletins are numbered 2.x

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- <https://support.bull.com/ols/product/security/psirt>

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