

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

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. https://www.first.org/tlp/
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

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Eviden continuously monitors the security of its products. This Security Bulletin is shared under the constraints of the FIRST Traffic Light Protocol version 2.0 (TLP) to bring the attention of owners of the potentially affected Eviden products. Eviden recommends that all product owners determine whether the described situation is applicable to their individual case and take appropriate action.

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- Neutralization security bulletins are numbered 0.x
- 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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