

Security Bulletin

Vulnerability in OpenLDAP

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TLP:CLEAR

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List of changes

Version	Date	Description
2.1	2025/12/11	Initial Eviden version

Executive summary

A vulnerability was found in OpenLDAP, in `ber_memalloc_x()` function, leading to a null pointer dereference. This flaw can result in reduced system memory and cause LDAP authentication failures. The impact is primarily a disruption in authentication processes, which may hinder user access or service operations relying on LDAP for authentication.

Vulnerability Info

CVE No.	CVSS Score	Type of Vulnerability
CVE-2023-2953	7.5	CWE-476 NULL Pointer Dereference

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

Affected components

Products	Fixed version	Status	Comments
OpenLDAP	2.4	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
BullSequana ARGOS	2.1	Fixed	Affected version: 1.1
SDMS	Unpatched	Unpatched	Affected version: 5.x SDMS is fully supported and replaced by Argos 2.1
SEMS	Unpatched	Unpatched	Affected version: 4.x. SEMS is fully supported and replaced by Argos 2.1

Recommendations

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

Available Vendor Patches

Vendor indicated patch: OpenLDAP 2.4

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://bugs.openldap.org/show_bug.cgi?id=9904
2. <http://seclists.org/fulldisclosure/2023/Jul/47>
3. <http://seclists.org/fulldisclosure/2023/Jul/48>
4. <http://seclists.org/fulldisclosure/2023/Jul/52>
5. <https://access.redhat.com/security/cve/CVE-2023-2953>
- 6.

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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- 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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