

## Security Bulletin

# Vulnerability in HDF5

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## List of changes

Version	Date	Description
0.1	2024/12/11	Initial Eviden version
0.2	2025/03/20	Added information about fix version
0.3	2025/07/11	TLP changed for CLEAR

## Executive summary

HDF5 library through 1.14.3 has memory corruption in H5A\_\_close resulting in the corruption of the instruction pointer and causing denial of service or potential code execution.

## Vulnerability Info

CVE No.	CVSS Score	Type of Vulnerability
<a href="#">CVE-2024-32608</a>	9.8	<a href="#">CWE-787</a> Out-of-bounds Write

Eviden is liaising closely with its suppliers and investigating the exact nature of these vulnerabilities to provide validated remediation.

## Affected products

Affected software	Version	Status	Fix version	Comment
Slurm	2.11-2.17	Affected	2.18	

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## 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://www.hdfgroup.org/2024/05/new-hdf5-cve-issues-fixed-in-1-14-4/>
2. <https://www.ogma.in/understanding-and-mitigating-cve-2024-32608-memory-corruption-in-hdf5-library>
- 3.

## 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

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

Updated versions of this document can be found on:

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

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