Security Bulletin

Multiple vulnerabilities in MongoDB

Author(s)	:	**Eviden PSIRT**
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TLP:CLEAR

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List of changes

Version	Date	Description
2.1	2025/11/28	Initial Eviden version

Executive summary

[CVE-2025-6706](#) – score 5.0

An authenticated user may trigger a use after free that may result in MongoDB Server crash and other unexpected behavior, even if the user does not have authorization to shut down a server. The crash is triggered on affected versions by issuing an aggregation framework operation using a specific combination of rarely-used aggregation pipeline expressions. This issue affects MongoDB Server v6.0 version prior to 6.0.21, MongoDB Server v7.0 version prior to 7.0.17 and MongoDB Server v8.0 version prior to 8.0.4 when the SBE engine is enabled.

[CVE-2025-6707](#) – score 4.2

Under certain conditions, an authenticated user request may execute with stale privileges following an intentional change by an authorized administrator. This issue affects MongoDB Server v5.0 version prior to 5.0.31, MongoDB Server v6.0 version prior to 6.0.24, MongoDB Server v7.0 version prior to 7.0.21 and MongoDB Server v8.0 version prior to 8.0.5.

[CVE-2025-6709](#) – score 7.3

The MongoDB Server is susceptible to a denial of service vulnerability due to improper handling of specific date values in JSON input when using OIDC authentication. This can be reproduced using the mongo shell to send a malicious JSON payload leading to an invariant failure and server crash. This issue affects MongoDB Server v7.0 versions prior to 7.0.17 and MongoDB Server v8.0 versions prior to 8.0.5. The same issue affects MongoDB Server v6.0 versions prior to 6.0.21, but an attacker can only induce denial of service after authenticating.

[CVE-2025-6710](#) – score 7.5

MongoDB Server may be susceptible to stack overflow due to JSON parsing mechanism, where specifically crafted JSON inputs may induce unwarranted levels of recursion, resulting in excessive stack space consumption. Such inputs can lead to a stack overflow that causes the server to crash which could occur pre-authorisation. This issue affects MongoDB Server v7.0 versions prior to 7.0.17 and

MongoDB Server v8.0 versions prior to 8.0.5. The same issue affects MongoDB Server v6.0 versions prior to 6.0.21, but an attacker can only induce denial of service after authenticating.

Vulnerability Info

CVE No.	CVSS Score	Type of Vulnerability
CVE-2025-6706	5.0	CWE-416 Use After Free
CVE-2025-6707	4.2	CWE-863 Incorrect Authorization
CVE-2025-6709	7.3	CWE-20 Improper Input Validation
CVE-2025-6710	7.5	CWe-674 Uncontrolled Recursion

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

Affected component

Products	Fixed version	Status	Comments
MongoDB	5.0.31 6.0.21 6.0.24 7.0.17 7.0.21 8.0.4 8.0.5	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
SDMS	Unpatched	Unpatched	Affected version 5.3 SDMS is replaced by BullSequana ARGOS 1.1

Recommendations

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

Available Vendor Patches

Vendor patches are indicated in affected component table.

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://jira.mongodb.org/browse/SERVER-106746
2. https://jira.mongodb.org/browse/SERVER-93497
3. https://jira.mongodb.org/browse/SERVER-106748
4. https://jira.mongodb.org/browse/SERVER-106749

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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- Privately disclosed Remediation security bulletins are numbered 1.x
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- https://support.bull.com/ols/product/security/psirt

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