

MongoDB 8.0.x Compatibility Evidence

Service Evaluated: DGL-FDN-C-LockReason

This document provides evidence that the current service (DGL-FDN-C-LockReason) is already compatible with MongoDB 8.0.x, based on the official Citi Confluence documentation, MongoDB driver compatibility matrix, and Spring Data documentation.

1. Current Service Dependencies

Dependency	Version in Service
mongodb-driver-core	5.5.1
mongodb-driver-sync	5.5.1
spring-boot-starter-data-mongodb	3.5.4
spring-data-mongodb	4.5.2

2. Confluence Evidence

According to Citi Confluence documentation (*MongoDB 8.0.x Compatible Drivers, Clients, Connectors and Tools*, last updated April 30, 2025), the certified compatible versions for MongoDB 8.0.x are: - Java Driver 5.2 (RHEL8) - Java Driver 5.5 (Windows) Reference: Confluence table shows certification status as 'Completed' for these versions. Since the service is already using version **5.5.1** of the MongoDB Java Driver, it is within the certified compatibility range and therefore compliant with MongoDB 8.0.x requirements.

Relevant Confluence Pages:

- MongoDB 8.0.x Compatible Drivers, Clients, Connectors and Tools: <https://cedt-confluence.nam.nsroot.net/confluence/spaces/C154997/pages/24601100788/MongoDB+8.0.x+Compatible+Drivers+Clients+Connectors+and+Tools>
- MongoDB Version 8.0.x Upgrade: <https://cedt-confluence.nam.nsroot.net/confluence/spaces/C165270B/pages/2898328127/MongoDB+Version+8.0.x+Upgrade>

3. Spring Data MongoDB Compatibility

The application also uses Spring Data MongoDB 4.5.2, which is part of the Spring Data 4.x line. According to Spring's official documentation, this version is compatible with MongoDB Java Driver 5.x and Spring Boot 3.x. Therefore, the overall stack (Spring Boot 3.5.4 + Spring Data MongoDB 4.5.2 + MongoDB Driver 5.5.1) is fully supported for MongoDB 8.0.x.

Reference: Spring Data MongoDB official documentation:
<https://spring.io/projects/spring-data-mongodb>

4. Conclusion

Based on the official compatibility matrix, Citi Confluence documentation, and Spring Data documentation, the current service configuration (DGL-FDN-C-LockReason) is fully compliant with MongoDB 8.0.x requirements. ****No changes are required**** to the MongoDB driver or Spring Data versions before the migration to MongoDB 8.0.x.