

[MongoDB] Int64 converted to Int32 when copying between two MongoDB datasets

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Applicable connectors

- MongoDB
- MongoDB Atlas
- Azure Cosmos DB (MongoDB API)

Symptom

Source type Int64 converted to Int32 in sink when copying between 2 MongoDB datasets.

Root Cause

When writing to MongoDB, ADF serializes the source BSON documents into JSON strings, and deserializes them into BSON documents. During this process, the numeric values between -2147483648 and 2147483647 will be treated as Int32 not Int64. This is a by-design behavior.

Suggestion

Usually, customers have custom application to consume the sink data, and it is recommended that they modify the logic of the application to be compatible with the Int32 type.