

Kafka Connectors Process(Kafka Consumer)

1. Go to specific cluster where topic is present and select Connectors options.

The screenshot shows the Confluent web interface. The top navigation bar includes the Confluent logo, a search bar for 'Stream Catalog', and links for 'LEARN', notifications, help, and a menu. The breadcrumb trail is 'Home > Environments > default > kafka_cluster_for_mongo > Connectors'. The left sidebar lists various cluster management options, with 'Connectors' highlighted. The main content area is titled 'Connectors' and features a search bar. A card for the 'kafka-to-mongodb-Realtime' connector is displayed, showing it is 'Paused'. Below this, a table provides performance metrics:

Tasks	Bytes/sec
1	0B/s

Messages/sec	Messages behind
0	0

An 'Overview' section follows, listing the connector's details in a table:

Category	Sink
ID	lcc-jr097m
Plugin name	MongoDB Atlas Sink

At the bottom, there is a section 'Connect with popular connectors' with buttons for 'Snowflake Sink', 'Elasticsearch Service Sink', and 'MongoDB Atlas Source'. A URL bar at the bottom shows the path to the connector's overview page.

2. Click on Add Connector.

This screenshot is identical to the previous one, showing the Confluent Connectors page for the 'kafka_cluster_for_mongo' cluster. The 'Add Connector' button is visible in the top right corner of the main content area. The breadcrumb trail and sidebar navigation remain the same.

3. Search MongoDB Atlas Sink and click on it.

CONFLUENT

Stream Catalog LEARN ? ☰

Home > Environments > default > kafka_cluster_for_mongo > Connectors > Plugins >

Cluster
kafka_cluster_for_mongo


Cluster Overview
Networking
API Keys
Cluster Settings
Stream Lineage
Stream Designer
Topics
ksqlDB
Connectors
Clients


Connector Plugins


mon x Filter by: Deployment Type Sort by: Popular


Displaying 16 connectors


Fully managed cloud connector


 **MongoDB Atlas Source**
Source

 **MongoDB Atlas Sink**
Sink

 **Microsoft SQL Server CDC Source (Debezium) [Legacy]**
Source

 **Postgres CDC Source (Debezium) [Legacy]**
Source

 **Salesforce CDC Source**
Source

 **MySQL CDC Source (Debezium) [Legacy]**
Source

4. Select topic which contain data (subscribe to this topic).

Home > Environments > default > kafka_cluster_for_mongo > Connectors > Plugins > MongoDB Atlas Sink >

Add MongoDB Atlas Sink connector

1. Topic selection 2. Kafka credentials 3. Authentication 4. Configuration 5. Sizing 6. Review and launch

Choose the topics you want to get data from

Search topics No topics selected + Add new topic

<input type="checkbox"/>	Topics Topic name	Partitions Total partitions	Throughput Bytes/sec produced	Bytes/sec consumed
<input type="checkbox"/>	dlq-lcc-jr097m	1	--	--
<input type="checkbox"/>	fedex_logistics	6	--	--

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5. Generate API key to access your account and kafka cluster .

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Add MongoDB Atlas Sink connector

1. Topic selection — 2. Kafka credentials — 3. Authentication — 4. Configuration — 5. Sizing — 6. Review and launch

Create or select an API key

My account

Create an API key for your user account that the connector uses to access the Kafka cluster. Anyone with this credential has your access permissions to the cluster.

Service account

Create an API key for the specified service account that the connector uses to access the Kafka cluster. You should give this service account only the minimally required permissions for access to the cluster.
*Recommended for production.

Use an existing API key

Enter an API key and secret pair that you have stored.

API key

Click the button below to generate an API key and secret that your connector can use to communicate with your Kafka cluster.

Generate API key & download

[Go back](#)

Continue

6. Provide all necessary information to connect with MongoDB.

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Add MongoDB Atlas Sink connector

1. Topic selection — 2. Kafka credentials — 3. Authentication — 4. Configuration — 5. Sizing — 6. Review and launch

MongoDB Atlas credentials

Connection host* ⓘ

Connection user* ⓘ
mirakunapara2003

Connection password* ⓘ
.....

MongoDB Atlas Database Details

Database name* ⓘ

Collection name ⓘ

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Continue

7. Select specific format to upload the data into MongoDB.

Add MongoDB Atlas Sink connector

1. Topic selection — 2. Kafka credentials — 3. Authentication — 4. Configuration — 5. Sizing — 6. Review and launch

Input Kafka record value format* @

AVRO	BSON	JSON	JSON_SR	PROTOBUF	STRING
------	------	------	---------	----------	--------

▼ Show advanced configurations

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Continue



8. Define how many consumer can consume this data .

Add MongoDB Atlas Sink connector

1. Topic selection — 2. Kafka credentials — 3. Authentication — 4. Configuration — 5. Sizing — 6. Review and launch

Topic summary @

Topics selected 1
Partitions selected from topics 6

Connector sizing @

Minimum number of tasks 1 (recommended)

Tasks* \$0.33/hr

Tasks can be scaled up at a later time for additional throughput capacity.

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\$0.33/hr + \$0.0275/GB usage

Continue



9. Rename the connector name (work as consumer).

Add MongoDB Atlas Sink connector

1. Topic selection — 2. Kafka credentials — 3. Authentication — 4. Configuration — 5. Sizing — 6. Review and launch

Connector class*
MongoDbAtlasSink

Connector name* ⓘ
MongoDbAtlasSinkConnector_1

Configuration & cost

Topics

Connector configuration

ⓘ Settings marked with an asterisk (*) cannot be changed once you launch your connector

Data format* AVRO
Number of tasks 1

10. Connector start consuming the data and upload into mongodb .

The screenshot shows the Confluent Connectors management interface. On the left is a sidebar with navigation links: Home, Environments, default, kafka_cluster_for_mongo, and Connectors. The main area is titled 'Connectors' and features a search bar. Two connector cards are displayed:

- MongoDbAtlasSinkConnector_1**: Status 'Running'. Metrics show 1 task, 0B/sec, 0 messages/sec, and 0 messages behind. Overview includes Category: Sink, ID: lcc-p60w3o, and Plugin name: MongoDB Atlas Sink.
- kafka-to-mongodb-Realtime**: Status 'Paused'. Metrics show 1 task, 0B/s, 0 messages/sec, and 0 messages behind. Overview includes Category: Sink, ID: lcc-jr097m, and Plugin name: MongoDB Atlas Sink.

Below the connector cards is a section 'Connect with popular connectors' with tiles for Amazon S3 Sink, Snowflake Sink, Elasticsearch Service Sink, MongoDB Atlas Source, and others. A URL bar at the bottom shows the path to the connector configuration page.

11. Consumed data in MongoDB.

Mongodb-sample-cluster

VERSION
7.0.14REGION
AWS Mumbai (ap-south-1)

Overview

Real Time

Metrics

Collections

Atlas Search

Performance Advisor

Online Archive

Cmd Line Tools

DATABASES: 2 COLLECTIONS: 7

VISUALIZE YOUR DATA

REFRESH

+ Create Database

Search Namespaces

logistics

shipments

sample_mflix

logistics.shipments

STORAGE SIZE: 88KB LOGICAL DATA SIZE: 164.31KB TOTAL DOCUMENTS: 950 INDEXES TOTAL SIZE: 66KB

Find

Indexes

Schema Anti-Patterns

Aggregation

Search Indexes

Generate queries from natural language in Compass

INSERT DOCUMENT

Filter

Type a query: { field: 'value' }

Reset

Apply

Options

QUERY RESULTS: 1-20 OF MANY

```
{
  "_id": ObjectId("66d2dbb2332b9a17c46af0d4"),
  "shipment_id": "MT0BY6AJ",
  "origin": "Memphis, TN",
  "destination": "Louisville, KY",
  "status": "in-transit",
  "timestamp": "2023-08-27T03:05:38Z"
}
```