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Batch : 1

Course : Big Data Bootcamp

1. Setup Confluent Kafka Account

2. Create one kafka topic named as "restaurent-take-away-data" with 3 partitions

Topics

A Topic is a category/feed name to which records are stored and published. All Kafka records are organized into topics. Producer applications write data to topics and consumer applications read from topics. Records published to the cluster stay in the cluster until a configurable retention period has passed by.



New topic

Topic name* ⓘ restaurent-take-away-data	Partitions* ⓘ 3
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[Show advanced settings](#)

**For Retention time and
Retention Size, Message size and
other advance settings**

**After setting up Topic name and
select number of partition, select**

[Cancel](#)

Create with defaults

Your topic has been successfully created!

3. Setup key (string) & value (json) schema in the confluent schema registry

Value(json)

restaurent-take-away-data

Overview Messages Schema Configuration

Value Key

Type: JSON Schema Compatibility mode: Backward Used by topic: restaurent-take-away-data

Version 1 (current)

Schema ID: 100001



Search by keyword

▼ object (7) ⊕

- type: object
- additionalProperties: true
- \$id: http://example.com/myURI.schema.json
- \$schema: http://json-schema.org/draft-07/schema#
- title: RestaurantRecord
- description: Sample schema to help you get started.

▼ properties (6)

▶ item_name (2) ⊕

4. Write a kafka producer program (python or any other language) to read data records from restaurent data csv file, make sure schema is not hardcoded in the producer code, read the latest version of schema and schema_str from schema registry and use it for data serialization.

5. From producer code, publish data in Kafka Topic one by one and use dynamic key while publishing the records into the Kafka Topic

restaurent-take-away-data

[See in Stream line](#)

[Overview](#) [Messages](#) [Schema](#) [Configuration](#)

Producers

Bytes in/sec 4.72K

Consumers

Bytes out/sec 0

Message fields

- topic
- partition
- offset
- timestamp
- timestampType
- headers
- key
- value



Filter by keyword

Jump to offset

offset

+ Produce a new message to this topic

▼ {"order_number":13836,"order_date":"15/03/2019 19:58","item_name":"Mint Sauce","quantity":1,"product_price":0.5,"total_...
Partition: 1 Offset: 12994 Timestamp: 1667393346797

Newest

▼ {"order_number":13836,"order_date":"15/03/2019 19:58","item_name":"Mango Chutney","quantity":1,"product_price":0.5,"total_...
Partition: 1 Offset: 12993 Timestamp: 1667393346796

▼ {"order_number":13856,"order_date":"16/03/2019 19:09","item_name":"Mango Chutney","quantity":1,"product_price":0.5,"total_...
Partition: 1 Offset: 12992 Timestamp: 1667393346783