

Flink dashboard – running jobs

Running Jobs						
Job Name	Start Time	Duration	End Time	Tasks	Status	
insert-into_default_catalog.default_database.popular_pickup_location	2023-03-13 19:52:29	3m 49s	–	3 3	RUNNING	
collect	2023-03-13 19:53:07	3m 10s	–	1 1	RUNNING	
insert-into_default_catalog.default_database.top_pickup_location	2023-03-13 19:52:54	3m 24s	–	2 2	RUNNING	

FHV trips messages in confluent control center

fhv-trips

ConfigurationMessagesSchema

Message fields

- topic
- partition
- offset
- timestamp
- timestampType
- headers
- key
- value
 - pickup_location_id
 - dispatch_num
 - pickup_datetime
 - dropoff_datetime
 - affiliated_num

▶||

Filter by keyword

Jump to offset

offset

+ Produce a new message to this topic

Newest

▼ {"pickup_location_id":181,"dispatch_num":"B02510","pickup_datetime":"2019-01-01T00:43:08","dropoff_datetime":"2019-01-01T01:02:24"}
Partition: 0 Offset: 652 Timestamp: 1678708823405

▼ {"pickup_location_id":25,"dispatch_num":"B02510","pickup_datetime":"2019-01-01T00:28:37","dropoff_datetime":"2019-01-01T00:38:39","affiliat..."}
Partition: 0 Offset: 651 Timestamp: 1678708822403

▼ {"pickup_location_id":231,"dispatch_num":"B02510","pickup_datetime":"2019-01-01T00:09:11","dropoff_datetime":"2019-01-01T00:21:41","affilia..."}
Partition: 0 Offset: 650 Timestamp: 1678708821402

▼ {"pickup_location_id":188,"dispatch_num":"B02510","pickup_datetime":"2019-01-01T00:45:01","dropoff_datetime":"2019-01-01T00:59:39","affilia..."}
Partition: 0 Offset: 649 Timestamp: 1678708820401

Green trips messages in confluent control center

green-trips

ConfigurationMessagesSchema

Message fields

topic

partition

offset

timestamp

timestampType

headers

key

value

pickup_location_id

passenger_count

vendor_id

pickup_datetime

dropoff_datetime

trip_distance

tip_amount

fare_amount

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🔍 Filter by keyword

Jump to offset

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🔍 offset

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+ Produce a new message to this topic

▼ {"pickup_location_id":63,"passenger_count":1,"vendor_id":"2","pickup_datetime":"2019-01-01T00:32:05","dropoff_datetime":"2019-01-01T00:32:05"}

Newest

Partition: 0 Offset: 691 Timestamp: 1678708862401

▼ {"pickup_location_id":85,"passenger_count":1,"vendor_id":"2","pickup_datetime":"2019-01-01T00:10:28","dropoff_datetime":"2019-01-01T00:30:28"}

Partition: 0 Offset: 690 Timestamp: 1678708861400

▼ {"pickup_location_id":226,"passenger_count":1,"vendor_id":"2","pickup_datetime":"2019-01-01T00:36:13","dropoff_datetime":"2019-01-01T00:49:13"}

Partition: 0 Offset: 689 Timestamp: 1678708860398

▼ {"pickup_location_id":41,"passenger_count":1,"vendor_id":"2","pickup_datetime":"2019-01-01T00:40:17","dropoff_datetime":"2019-01-01T00:45:17"}

Partition: 0 Offset: 688 Timestamp: 1678708859397

New sink topic – popular-pickup-location – messages

popular-pickup-location

ConfigurationMessagesSchema

Message fields

topic

partition

offset

timestamp

timestampType

headers

key

value

window_start

window_end

pickup_location_id

pickup_count

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🔍 Filter by keyword

Jump to offset

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🔍 offset

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+ Produce a new message to this topic

▼ {"window_start":"2023-03-13 12:00:00","window_end":"2023-03-13 12:10:00","pickup_location_id":265,"pickup_count":2}

Newest

Partition: 0 Offset: 368 Timestamp: 1678709400120

▼ {"window_start":"2023-03-13 12:00:00","window_end":"2023-03-13 12:10:00","pickup_location_id":41,"pickup_count":58}

Partition: 0 Offset: 367 Timestamp: 1678709400120

▼ {"window_start":"2023-03-13 12:00:00","window_end":"2023-03-13 12:10:00","pickup_location_id":50,"pickup_count":6}

Partition: 0 Offset: 366 Timestamp: 1678709400120

▼ {"window_start":"2023-03-13 12:00:00","window_end":"2023-03-13 12:10:00","pickup_location_id":24,"pickup_count":5}

Partition: 0 Offset: 365 Timestamp: 1678709400119

Sink topic messages example with small window (20 minutes)

Refresh: 1 s

SQL Query Result (Table)
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pickup location id	pickup count	window start	window end
67	4	2023-03-13 10:40:00.000	2023-03-13 11:00:00.000
86	4	2023-03-13 10:40:00.000	2023-03-13 11:00:00.000
55	8	2023-03-13 10:40:00.000	2023-03-13 11:00:00.000
37	24	2023-03-13 10:40:00.000	2023-03-13 11:00:00.000
262	4	2023-03-13 10:40:00.000	2023-03-13 11:00:00.000
48	14	2023-03-13 10:40:00.000	2023-03-13 11:00:00.000
201	2	2023-03-13 10:40:00.000	2023-03-13 11:00:00.000
168	14	2023-03-13 10:40:00.000	2023-03-13 11:00:00.000
53	4	2023-03-13 10:40:00.000	2023-03-13 11:00:00.000
92	16	2023-03-13 10:40:00.000	2023-03-13 11:00:00.000
169	6	2023-03-13 10:40:00.000	2023-03-13 11:00:00.000
44	2	2023-03-13 10:40:00.000	2023-03-13 11:00:00.000
118	4	2023-03-13 10:40:00.000	2023-03-13 11:00:00.000
34	4	2023-03-13 10:40:00.000	2023-03-13 11:00:00.000
141	10	2023-03-13 10:40:00.000	2023-03-13 11:00:00.000
229	6	2023-03-13 10:40:00.000	2023-03-13 11:00:00.000
119	2	2023-03-13 10:40:00.000	2023-03-13 11:00:00.000
45	6	2023-03-13 10:40:00.000	2023-03-13 11:00:00.000

New sink topic to aggregate popular-pickup-location windowed output - messages

top-pickup-location

Configuration Messages Schema

Message fields

- topic
- partition
- offset
- timestamp
- timestampType
- headers
- key
- value
 - pickup_location_id
 - pickup_count
 - window_start
 - window_end

Filter by keyword

Jump to offset

offset

+ Produce a new message to this topic

Newest

▼ {"pickup_location_id":190,"pickup_count":6,"window_start":"2023-03-13 12:00:00","window_end":"2023-03-13 13:00:00"}
Partition: 0 Offset: 238 Timestamp: 1678712400158

▼ {"pickup_location_id":197,"pickup_count":13,"window_start":"2023-03-13 12:00:00","window_end":"2023-03-13 13:00:00"}
Partition: 0 Offset: 237 Timestamp: 1678712400158

▼ {"pickup_location_id":28,"pickup_count":7,"window_start":"2023-03-13 12:00:00","window_end":"2023-03-13 13:00:00"}
Partition: 0 Offset: 236 Timestamp: 1678712400157

▼ {"pickup_location_id":209,"pickup_count":8,"window_start":"2023-03-13 12:00:00","window_end":"2023-03-13 13:00:00"}
Partition: 0 Offset: 235 Timestamp: 1678712400157

same in the sql-client console...

Refresh: 1 s

SQL Query Result (Table)
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pickup_location_id	pickup_count	window_start	window_end
178	3	2023-03-13 12:00:00.000	2023-03-13 13:00:00.000
248	8	2023-03-13 12:00:00.000	2023-03-13 13:00:00.000
177	13	2023-03-13 12:00:00.000	2023-03-13 13:00:00.000
160	13	2023-03-13 12:00:00.000	2023-03-13 13:00:00.000
123	4	2023-03-13 12:00:00.000	2023-03-13 13:00:00.000
11	4	2023-03-13 12:00:00.000	2023-03-13 13:00:00.000
203	3	2023-03-13 12:00:00.000	2023-03-13 13:00:00.000
39	22	2023-03-13 12:00:00.000	2023-03-13 13:00:00.000
21	8	2023-03-13 12:00:00.000	2023-03-13 13:00:00.000
120	2	2023-03-13 12:00:00.000	2023-03-13 13:00:00.000
26	5	2023-03-13 12:00:00.000	2023-03-13 13:00:00.000
114	48	2023-03-13 12:00:00.000	2023-03-13 13:00:00.000
151	11	2023-03-13 12:00:00.000	2023-03-13 13:00:00.000
117	7	2023-03-13 12:00:00.000	2023-03-13 13:00:00.000
5	1	2023-03-13 12:00:00.000	2023-03-13 13:00:00.000
84	2	2023-03-13 12:00:00.000	2023-03-13 13:00:00.000
109	2	2023-03-13 12:00:00.000	2023-03-13 13:00:00.000
157	14	2023-03-13 12:00:00.000	2023-03-13 13:00:00.000
4	12	2023-03-13 12:00:00.000	2023-03-13 13:00:00.000
209	8	2023-03-13 12:00:00.000	2023-03-13 13:00:00.000
28	7	2023-03-13 12:00:00.000	2023-03-13 13:00:00.000
197	13	2023-03-13 12:00:00.000	2023-03-13 13:00:00.000
190	6	2023-03-13 12:00:00.000	2023-03-13 13:00:00.000

to be updated with results after the process is finished...