

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

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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

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

Partition: 0 Offset: 691 Timestamp: 1678708862401

Newest

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{"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

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

Partition: 0 Offset: 368 Timestamp: 1678709400120

Newest

▼

{"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)				
		Page: Last of 31				
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

ConfigurationMessagesSchema

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

▼ {"pickup_location_id":190,"pickup_count":6,"window_start":"2023-03-13 12:00:00","window_end":"2023-03-13 13:00:00"}

Partition: 0Offset: 238Timestamp: 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: 0Offset: 237Timestamp: 1678712400158

▼ {"pickup_location_id":20,"pickup_count":7,"window_start":"2023-03-13 12:00:00","window_end":"2023-03-13 13:00:00"}

Partition: 0Offset: 236Timestamp: 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: 0Offset: 235Timestamp: 1678712400157

Newest

same in the sql-client console...

Refresh: 1 s

SQL Query Result (Table)
Page: Last of 9

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

Running for 12 hours + with 1 second delay after each message:

Running Jobs

Job Name	Start Time	Duration	End Time	Tasks	Status
insert-into_default_catalog.default_database.top_pickup_location	2023-03-13 19:52:54	12h 22m 6s	—	2 2	RUNNING
collect	2023-03-13 19:53:07	12h 21m 53s	—	1 1	RUNNING
insert-into_default_catalog.default_database.popular_pickup_location	2023-03-13 19:52:29	12h 22m 32s	—	3 3	RUNNING

pickup location id	pickup count	window start		window end	
140	451	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
141	650	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
237	714	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
162	377	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
145	1769	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
261	203	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
13	254	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
249	1050	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
236	618	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
264	156	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
97	3494	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
49	1753	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
189	838	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
82	4272	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
255	3058	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
76	1303	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
25	2561	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
85	402	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
223	2074	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
129	3150	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
71	585	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
256	1766	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
80	1766	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
146	691	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
66	2046	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
7	5289	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
74	6979	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
181	3816	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
17	1647	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
41	5963	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
182	423	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
106	544	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
95	2966	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
75	5969	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
119	530	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
173	544	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
166	2807	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000
260	2114	2023-03-17	00:00:00.000	2023-03-18	00:00:00.000

Queue is full after 100K+ messages. Above is the most popular pickup location #74