

Consumer Output:

Project Workspace

SEND FEEDBACK

s Help

```
b'{"crime_id": "183652562", "original_crime_type_name": "Traf Violation Cite", "report_date": "2018-12-31T00:00:00.000", "call_date": "2018-12-31T00:00:00.000", "offense_date": "2018-12-31T00:00:00.000", "call_time": "17:34", "call_date_time": "2018-12-31T17:34:00.000", "disposition": "GOA", "address": "1100 Block Of Plymouth Av", "city": "San Francisco", "state": "CA", "agency_id": "1", "address_type": "Premise Address", "common_location": ""},
b'{"crime_id": "183652561", "original_crime_type_name": "Traf Violation Cite", "report_date": "2018-12-31T00:00:00.000", "call_date": "2018-12-31T00:00:00.000", "offense_date": "2018-12-31T00:00:00.000", "call_time": "17:34", "call_date_time": "2018-12-31T17:34:00.000", "disposition": "CIT", "address": "200 Block Of 4th Av", "city": "San Francisco", "state": "CA", "agency_id": "1", "address_type": "Premise Address", "common_location": ""},
b'{"crime_id": "183652563", "original_crime_type_name": "Muni Inspection", "report_date": "2018-12-31T00:00:00.000", "call_date": "2018-12-31T00:00:00.000", "offense_date": "2018-12-31T00:00:00.000", "call_time": "17:34", "call_date_time": "2018-12-31T17:34:00.000", "disposition": "Not recorded", "address": "1100 Block Of Market St", "city": "San Francisco", "state": "CA", "agency_id": "1", "address_type": "Common Location", "common_location": "Civic Center Muni, Sf"},
b'{"crime_id": "183652560", "original_crime_type_name": "Traf Violation Cite", "report_date": "2018-12-31T00:00:00.000", "call_date": "2018-12-31T00:00:00.000", "offense_date": "2018-12-31T00:00:00.000", "call_time": "17:34", "call_date_time": "2018-12-31T17:34:00.000", "disposition": "CIT", "address": "200 Block Of Madrid St", "city": "San Francisco", "state": "CA", "agency_id": "1", "address_type": "Premise Address", "common_location": ""},
b'{"crime_id": "183652571", "original_crime_type_name": "Suspicious Vehicle", "report_date": "2018-12-31T00:00:00.000", "call_date": "2018-12-31T00:00:00.000", "offense_date": "2018-12-31T00:00:00.000", "call_time": "17:33", "call_date_time": "2018-12-31T17:33:00.000", "disposition": "ND", "address": "19th Av/taraval St", "city": "San Francisco", "state": "CA", "agency_id": "1", "address_type": "Intersection", "common_location": ""},
b'{"crime_id": "183652553", "original_crime_type_name": "Muni Inspection", "report_date": "2018-12-31T00:00:00.000", "call_date": "2018-12-31T00:00:00.000", "offense_date": "2018-12-31T00:00:00.000", "call_time": "17:32", "call_date_time": "2018-12-31T17:32:00.000", "disposition": "Not recorded", "address": "Mission St/16th St", "city": "San Francisco", "state": "CA", "agency_id": "1", "address_type": "Intersection", "common_location": ""},
b'{"crime_id": "183652544", "original_crime_type_name": "Passing Call", "report_date": "2018-12-31T00:00:00.000", "call_date": "2018-12-31T00:00:00.000", "offense_date": "2018-12-31T00:00:00.000", "call_time": "17:31", "call_date_time": "2018-12-31T17:31:00.000", "disposition": "Not recorded", "address": "Mission St/16th St", "city": "San Francisco", "state": "CA", "agency_id": "1", "address_type": "Intersection", "common_location": ""},
b'{"crime_id": "183652549", "original_crime_type_name": "Citizen Arrest", "report_date": "2018-12-31T00:00:00.000", "call_date": "2018-12-31T00:00:00.000", "offense_date": "2018-12-31T00:00:00.000", "call_time": "17:31", "call_date_time": "2018-12-31T17:31:00.000", "disposition": "REP", "address": "200 Block Of Ofarrell St", "city": "San Francisco", "state": "CA", "agency_id": "1", "address_type": "Premise Address", "common_location": ""},
```

Aggregated Query:

```
2020-11-27 19:43:25 INFO TaskSchedulerImpl:54 - Removed TaskSet 1.0, whose tasks have all
2020-11-27 19:43:25 INFO DAGScheduler:54 - ResultStage 1 (start at NativeMethodAccessorIm
2020-11-27 19:43:25 INFO DAGScheduler:54 - Job 0 finished: start at NativeMethodAccessorI
2020-11-27 19:43:25 INFO WriteToDataSourceV2Exec:54 - Data source writer org.apache.spark
```

Batch: 0

```
2020-11-27 19:43:25 INFO CodeGenerator:54 - Code generated in 14.233107 ms
2020-11-27 19:43:25 INFO CodeGenerator:54 - Code generated in 9.763324 ms
```

| original_crime_type_name | disposition | window | count |
|--------------------------|--------------|----------------------|-------|
| Suspicious Vehicle | CAN | [2018-12-31 22:00... | 1 |
| H&r Injury Accident | REP | [2018-12-31 23:00... | 1 |
| Att | REP | [2018-12-31 23:30... | 1 |
| Poss | UTL | [2018-12-31 21:30... | 1 |
| Assault / Battery | REP | [2018-12-31 21:00... | 1 |
| Passing Call | Not recorded | [2018-12-31 21:00... | 1 |
| Fight No Weapon | HAN | [2018-12-31 22:00... | 1 |
| Suspicious Person | REP | [2018-12-31 22:00... | 1 |
| Passing Call | Not recorded | [2018-12-31 23:00... | 3 |
| Person W/gun | UTL | [2018-12-31 22:30... | 1 |
| Passing Call | HAN | [2018-12-31 21:00... | 3 |
| Traffic Stop | ADV | [2018-12-31 21:00... | 1 |
| Traffic Stop | CIT | [2018-12-31 21:00... | 3 |
| Caser | GOA | [2018-12-31 21:30... | 1 |
| Noise Nuisance | GOA | [2018-12-31 21:00... | 1 |
| Meet W/citizen | 22 | [2018-12-31 21:00... | 1 |
| Traffic Stop | CIT | [2018-12-31 22:00... | 4 |
| Passing Call | ND | [2018-12-31 22:00... | 1 |
| Suspicious Vehicle | Not recorded | [2018-12-31 22:00... | 1 |
| 601 | CAN | [2018-12-31 21:30... | 1 |
| Audible Alarm | PAS | [2018-12-31 23:30... | 1 |
| Traf Violation Cite | CIT | [2018-12-31 22:00... | 2 |

Progress Reporter:

Project Workspace

Settings Help

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2020-11-27 19:43:25 INFO SparkContext:54 - Starting job: start at NativeMethodAccessorImpl.java
2020-11-27 19:43:25 INFO DAGScheduler:54 - Job 1 finished: start at NativeMethodAccessorImpl.java
2020-11-27 19:43:25 INFO MicroBatchExecution:54 - Streaming query made progress: {
  "id" : "c3488e74-5719-4bd3-8eb5-4adf45de6fdc",
  "runId" : "d93c5d43-dc13-4482-a1c5-1a698c2453dd",
  "name" : "query_agg_df",
  "timestamp" : "2020-11-27T19:43:05.521Z",
  "batchId" : 0,
  "numInputRows" : 199,
  "processedRowsPerSecond" : 9.97743795437453,
  "durationMs" : {
    "addBatch" : 15833,
    "getBatch" : 266,
    "getOffset" : 3317,
    "queryPlanning" : 462,
    "triggerExecution" : 19944,
    "walCommit" : 45
  },
  "eventTime" : {
    "avg" : "2018-12-31T22:24:06.934Z",
    "max" : "2018-12-31T23:57:00.000Z",
    "min" : "2018-12-31T21:05:00.000Z",
    "watermark" : "1970-01-01T00:00:00.000Z"
  },
  "stateOperators" : [ {
    "numRowsTotal" : 140,
    "numRowsUpdated" : 140,
    "memoryUsedBytes" : 64679
  } ],
  "sources" : [ {
    "description" : "KafkaSource[Subscribe[com.udacity.police-calls]]",
    "startOffset" : null,
    "endOffset" : {
      "com.udacity.police-calls" : {
```

Streaming UI:

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r899655c909728xjupyterlk0lu9jb-3000.udacity-student-workspaces.com/jobs/

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Apps Musik Wikipedia ANTON - die koste... Jitsi Meet Google Facebook Scribd YouTube Data Streaming KinderuniWienOnli... Urlaub Bad Ischl StrasbourgSt.Denis

Spark 2.3.4 Jobs Stages Storage Environment Executors SQL KafkaSparkStructuredStreaming application UI

Spark Jobs (?)

User: root
Total Uptime: 56 s
Scheduling Mode: FIFO
Active Jobs: 1
Completed Jobs: 4
▶ Event Timeline

Active Jobs (1)

| Job Id (Job Group) ▾ | Description | Submitted | Duration | Stages: Succeeded/Total | Tasks (for all stages): Succeeded/Total |
|--|---|---------------------|----------|-------------------------|---|
| 8 (aa775081-ea8c-442d-aeec-d9d01244eb1f) | query_agg_df id = cb2ca74c-f03c-4631-a103-2fad318898bb runId = aa775081-ea8c-442d-aeec-d9d01244eb1f batch = 4 start at NativeMethodAccessorImpl.java:0 (kill) | 2020/11/27 19:52:29 | 4 s | 1/2 | 141/202 (3 running) |

Completed Jobs (4)

| Job Id (Job Group) ▾ | Description | Submitted | Duration | Stages: Succeeded/Total | Tasks (for all stages): Succeeded/Total |
|--|--|---------------------|----------|-------------------------|---|
| 6 (aa775081-ea8c-442d-aeec-d9d01244eb1f) | query_agg_df id = cb2ca74c-f03c-4631-a103-2fad318898bb runId = aa775081-ea8c-442d-aeec-d9d01244eb1f batch = 3 start at NativeMethodAccessorImpl.java:0 | 2020/11/27 19:52:22 | 7 s | 2/2 | 202/202 |
| 4 (aa775081-ea8c-442d-aeec-d9d01244eb1f) | query_agg_df id = cb2ca74c-f03c-4631-a103-2fad318898bb runId = aa775081-ea8c-442d-aeec-d9d01244eb1f batch = 2 start at NativeMethodAccessorImpl.java:0 | 2020/11/27 19:52:15 | 7 s | 2/2 | 202/202 |