

```

azuruser@kafla:~/385SLab11/Final/Deployment$ docker ps

```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
dbb97feb665e	deployment_anomaly_v1	"python3 app.py"	5 minutes ago	Up 5 minutes	0.0.0.0:32881->8100/tcp, :::32881->8100/tcp	deployment_anomaol
y_v4_1_1	nginx:latest	"/docker-entrypoint..."	About an hour ago	Up About an hour	0.0.0.0:80->80/tcp, :::80->80/tcp	deployment_nginx_1
6c33e011e9fa	deployment_dashboard	"docker-entrypoint.s..."	About an hour ago	Up About an hour	0.0.0.0:3000->3000/tcp, :::3000->3000/tcp	deployment_dashboa
rd_1_1	deployment_storage_v4	"python3 app.py"	About an hour ago	Up About an hour	0.0.0.0:32809->8090/tcp, :::32809->8090/tcp	deployment_storage
f99da3f1fae6	deployment_audit_v1	"python3 app.py"	About an hour ago	Up About an hour	0.0.0.0:32810->8110/tcp, :::32810->8110/tcp	deployment_audit_v
6e380e420d7d	deployment_receiver_v5	"python3 app.py"	About an hour ago	Up About an hour	0.0.0.0:32808->8080/tcp, :::32808->8080/tcp	deployment_receive
l_1_1	deployment_processing_v2	"python3 app.py"	About an hour ago	Up About an hour	0.0.0.0:32807->8100/tcp, :::32807->8100/tcp	deployment_process
ad4a9375cf9a	deployment_event_logger_v1	"python3 app.py"	About an hour ago	Up About an hour	0.0.0.0:32806->8120/tcp, :::32806->8120/tcp	deployment_event_l
r_v5_1_1	murstmeister/kafla	"start-kafla.sh"	About an hour ago	Up About an hour (healthy)	0.0.0.0:9092->9092/tcp, :::9092->9092/tcp	deployment_kafla_1
d109d65f22ad7	murstmeister/zookeeper	"/bin/sh -c '/usr/sh..."	About an hour ago	Up About an hour (healthy)	22/tcp, 2888/tcp, 3888/tcp, 0.0.0.0:2181->2181/tcp, :::2181->2181/tcp	deployment_zookeep
ing_v2_1_1	mysql:5.7	"docker-entrypoint.s..."	About an hour ago	Up About an hour	0.0.0.0:3306->3306/tcp, :::3306->3306/tcp, 33060/tcp	deployment_db_1

```

azuruser@kafla:~/385SLab11/Final/Deployment$

```

Runs

## Anomaly Detection

```
sqlite:////data/anomaly.sqlite

2024-04-18 23:41:59,382 INFO sqlalchemy.engine.Engine BEGIN (implicit)
2024-04-18 23:41:59,382 - sqlalchemy.engine.Engine - INFO - BEGIN (implicit)
2024-04-18 23:41:59,383 INFO sqlalchemy.engine.Engine PRAGMA main.table_info("anomaly")
2024-04-18 23:41:59,383 - sqlalchemy.engine.Engine - INFO - PRAGMA main.table_info("anomaly")
2024-04-18 23:41:59,383 INFO sqlalchemy.engine.Engine [raw sql] ()
2024-04-18 23:41:59,383 - sqlalchemy.engine.Engine - INFO - [raw sql] ()
2024-04-18 23:41:59,384 INFO sqlalchemy.engine.Engine COMMIT
2024-04-18 23:41:59,384 - sqlalchemy.engine.Engine - INFO - COMMIT
2024-04-18 23:41:59,384 - basicLogger - INFO - Database connected successfully.
2024-04-18 23:41:59,384 - basicLogger - INFO - Application started in test environment.
2024-04-18 23:41:59,384 - basicLogger - INFO - Threshold values: 50, 8
2024-04-18 23:41:59,435 - asyncio - DEBUG - Using selector: EpollSelector
2024-04-18 23:41:59,437 - pykafka.handlers - INFO - RequestHandler.stop: about to flush
2024-04-18 23:41:59,437 - pykafka.cluster - INFO - Discovered 1 brokers
2024-04-18 23:41:59,437 - pykafka.cluster - DEBUG - Discovered broker id 1: b'kafka':9092
2024-04-18 23:41:59,438 - pykafka.connection - DEBUG - Connecting to b'kafka':9092
2024-04-18 23:41:59,440 - pykafka.connection - DEBUG - Successfully connected to b'kafka'
INFO: Started server process [1]
INFO: Waiting for application startup.
2024-04-18 23:41:59,446 - connexion.middleware.abstract - DEBUG - Adding /anomaly/anomaly

sqlite:////data/anomaly.sqlite

2024-04-18 23:41:59,465 - basicLogger - INFO - Database connected successfully.
2024-04-18 23:41:59,466 - basicLogger - INFO - Application started in test environment.
2024-04-18 23:41:59,466 - basicLogger - INFO - Threshold values: 50, 8
```

```
2024-04-18 23:23:36,801 - basicLogger - INFO - Anomaly detected: ('VehicleStatusEvent', 65, 50)
2024-04-18 23:23:36,821 - basicLogger - INFO - Anomaly detected: ('VehicleStatusEvent', 63, 50)
2024-04-18 23:23:36,844 - basicLogger - INFO - Anomaly detected: ('IncidentEvent', 9, 8)
2024-04-18 23:23:36,865 - basicLogger - INFO - Anomaly detected: ('VehicleStatusEvent', 69, 50)
2024-04-18 23:23:36,889 - basicLogger - INFO - Anomaly detected: ('VehicleStatusEvent', 82, 50)
2024-04-18 23:23:36,917 - basicLogger - INFO - Anomaly detected: ('VehicleStatusEvent', 57, 50)
2024-04-18 23:23:36,935 - basicLogger - INFO - Anomaly detected: ('VehicleStatusEvent', 91, 50)
2024-04-18 23:23:36,955 - basicLogger - INFO - Anomaly detected: ('VehicleStatusEvent', 63, 50)
2024-04-18 23:23:36,976 - basicLogger - INFO - Anomaly detected: ('VehicleStatusEvent', 71, 50)
2024-04-18 23:23:37,000 - basicLogger - INFO - Anomaly detected: ('VehicleStatusEvent', 79, 50)
2024-04-18 23:23:37,017 - basicLogger - INFO - Anomaly detected: ('VehicleStatusEvent', 76, 50)
2024-04-18 23:23:37,048 - basicLogger - INFO - Anomaly detected: ('IncidentEvent', 9, 8)
2024-04-18 23:23:37,073 - basicLogger - INFO - Anomaly detected: ('VehicleStatusEvent', 93, 50)
2024-04-18 23:23:37,093 - basicLogger - INFO - Anomaly detected: ('IncidentEvent', 10, 8)
2024-04-18 23:23:37,133 - basicLogger - INFO - Anomaly detected: ('IncidentEvent', 9, 8)
2024-04-18 23:23:37,156 - basicLogger - INFO - Anomaly detected: ('VehicleStatusEvent', 96, 50)
2024-04-18 23:23:37,189 - basicLogger - INFO - Anomaly detected: ('VehicleStatusEvent', 98, 50)
2024-04-18 23:23:37,209 - basicLogger - INFO - Anomaly detected: ('VehicleStatusEvent', 99, 50)
2024-04-18 23:23:37,254 - basicLogger - INFO - Anomaly detected: ('IncidentEvent', 10, 8)
2024-04-18 23:23:37,272 - basicLogger - INFO - Anomaly detected: ('IncidentEvent', 10, 8)
2024-04-18 23:23:37,300 - basicLogger - INFO - Anomaly detected: ('IncidentEvent', 9, 8)
2024-04-18 23:23:37,328 - basicLogger - INFO - Anomaly detected: ('IncidentEvent', 10, 8)
2024-04-18 23:23:37,351 - basicLogger - INFO - Anomaly detected: ('IncidentEvent', 10, 8)
2024-04-18 23:23:37,366 - basicLogger - INFO - Anomaly detected: ('IncidentEvent', 10, 8)
2024-04-18 23:23:37,379 - basicLogger - INFO - Anomaly detected: ('IncidentEvent', 10, 8)
2024-04-18 23:23:37,393 - basicLogger - INFO - Anomaly detected: ('IncidentEvent', 9, 8)
2024-04-18 23:23:37,407 - basicLogger - INFO - Anomaly detected: ('IncidentEvent', 9, 8)
2024-04-18 23:23:37,422 - basicLogger - INFO - Anomaly detected: ('IncidentEvent', 9, 8)
2024-04-18 23:23:37,437 - basicLogger - INFO - Anomaly detected: ('IncidentEvent', 9, 8)
2024-04-18 23:23:37,458 - basicLogger - INFO - Anomaly detected: ('IncidentEvent', 10, 8)
2024-04-18 23:23:37,471 - basicLogger - INFO - Anomaly detected: ('IncidentEvent', 10, 8)
2024-04-18 23:23:37,487 - basicLogger - INFO - Anomaly detected: ('IncidentEvent', 10, 8)
azureuser@Kafka:~$
```

Is in the sqlite

```
821947
201|2142cb8b-69f9-4b18-a624-421518c095ba|3ba089f-f014-426b-8e32-c70514bb04a1|IncidentEvent|IncidentEvent|9|2024-04-18 23:23:36.845380
202|847a83ab-d8ae-4383-888d-724c4e24181e|09fb1620-ff0d-445f-9bb1-2abe5d60e2db|VehicleStatusEvent|VehicleStatusEvent|69|2024-04-18 23:23:36
.866751
203|370d7169-d218-4bb5-920f-3af022ab7093|cc5849c4-2731-41cf-80fd-09a835ecc0a2|VehicleStatusEvent|VehicleStatusEvent|82|2024-04-18 23:23:36
.890611
204|43e41e8d-fbf7-4c07-84f4-c77277eaa307|9e0e7c9d-6a29-478f-bd92-bf2d930baa64|VehicleStatusEvent|VehicleStatusEvent|57|2024-04-18 23:23:36
.917893
205|bcd0804c-4cd4-44a0-845f-6c7b8374937e|41e0b973-45d8-4e0b-a4e0-0a8981914272|VehicleStatusEvent|VehicleStatusEvent|91|2024-04-18 23:23:36
.936401
206|ee18f0ad-80f5-4da5-9306-2dadce3ac6b5|e0bcbdb4-76fa-4639-9fb7-30b62aa0dfe|VehicleStatusEvent|VehicleStatusEvent|63|2024-04-18 23:23:36
.955818
207|2305683e-a864-45eb-9bf9-e83d40da5656|3fe3b7be-2838-4ee7-85f3-3ef25858e7b2|VehicleStatusEvent|VehicleStatusEvent|71|2024-04-18 23:23:36
.977057
208|9ffffde68-c560-4bbe-9e03-4c8e22c1a82e|0d4cca04-570b-4a97-9b27-20292813716c|VehicleStatusEvent|VehicleStatusEvent|79|2024-04-18 23:23:37
.000683
209|b3e692eb-b874-4dce-b6cf-2478c97cf12e|b9c0ff07-6ad1-43b0-847f-62e276e16709|VehicleStatusEvent|VehicleStatusEvent|76|2024-04-18 23:23:37
.017940
210|654a2a0b-64f7-44ca-a7ed-a2dd721b8329|dae6a726-bcd5-4b27-a9a7-ce0f1a084e27|IncidentEvent|IncidentEvent|9|2024-04-18 23:23:37.052124
211|80b3854b-7a81-4adf-8760-a5a55df7eac8|3291fe60-ad69-45e3-b361-6b6bf044fe87|VehicleStatusEvent|VehicleStatusEvent|93|2024-04-18 23:23:37
.073997
212|292ebb4f-fcce-4eb1-b4c6-363e948060e6|20917868-6cc1-4773-9dca-50a39a3f999c|IncidentEvent|IncidentEvent|10|2024-04-18 23:23:37.093831
213|1e05d31f-e035-4c02-8f19-56a5026b0c80|1aa6f0f4-26ec-4703-8752-c7ab42997e90|IncidentEvent|IncidentEvent|9|2024-04-18 23:23:37.133832
214|0d39ce73-8340-4c16-9243-59578e2eedfa|0193d52c-b641-4901-838d-0ef3a07ea66a|VehicleStatusEvent|VehicleStatusEvent|96|2024-04-18 23:23:37
.156723
215|53104399-9879-4df9-87af-d87fc4acd9bd|bf827122-02ae-41e4-bfff-cc2e20438bc8|VehicleStatusEvent|VehicleStatusEvent|98|2024-04-18 23:23:37
.190056
216|d315ea44-c8d3-4c40-b764-9c9f0c8b99fc|0659e8ff-4539-4323-9449-549d8a300458|VehicleStatusEvent|VehicleStatusEvent|99|2024-04-18 23:23:37
.209700
217|1a13ed01-4d82-4036-90ba-b32a42f92bce|44e492c0-b060-4c95-b674-9053ae74ec10|IncidentEvent|IncidentEvent|10|2024-04-18 23:23:37.255143
218|c4c60987-d483-41e7-9d01-93208c97418b|f9c8c8ca-cda6-4057-acaa-393b0fab435d|IncidentEvent|IncidentEvent|10|2024-04-18 23:23:37.273606
219|10f26f9f-450c-4db3-b7ce-54f11b7d8635|7972465d-4921-4554-885c-a19b8aa3b624|IncidentEvent|IncidentEvent|9|2024-04-18 23:23:37.301455
220|6f13d116-06d4-4694-a6f0-df77d9c0a0f8|ac724a77-4fd1-4a35-9bd1-6017fe062f82|IncidentEvent|IncidentEvent|10|2024-04-18 23:23:37.328988
221|01d7bbdb-9a45-490e-8753-f4660f42c46c|2e448c53-b8a6-4f75-a737-e17649e2a585|IncidentEvent|IncidentEvent|10|2024-04-18 23:23:37.351958
222|f2bc954f-c53b-48d4-8ff4-6a8b7304c9ab|020f8dc8-7f82-48af-8f93-e0d0d22fae3a|IncidentEvent|IncidentEvent|10|2024-04-18 23:23:37.366678
223|b508c684-3157-4b94-9128-1ed9f3670aba|d5c45470-a8a1-4cb3-9d40-0fa23a37d6c1|IncidentEvent|IncidentEvent|10|2024-04-18 23:23:37.379823
224|19227b47-de8f-4963-970b-e2554803544b|fc2e1551-9c81-4c2c-85ba-9b11cc1d691f|IncidentEvent|IncidentEvent|9|2024-04-18 23:23:37.393935
225|e6e7ae10-4a46-4a40-8770-8d42b07e3d87|28a0d39c-c7b5-4e68-9a4b-7d3641c15042|IncidentEvent|IncidentEvent|9|2024-04-18 23:23:37.408099
226|b4b5225b-91bc-43ef-a0af-4ec9587f0ad5|a44dc086-a141-4353-8145-2ad9630057d7|IncidentEvent|IncidentEvent|9|2024-04-18 23:23:37.423105
227|37be082-7376-43cc-9f5e-e9c62087396b|86b3eca4-907a-4b60-8ddd-303d82d0c6c4|IncidentEvent|IncidentEvent|9|2024-04-18 23:23:37.438631
228|4fa3eb98-2407-4ce1-b91f-a59b747dbc16|5b987c8f-af2b-4694-875f-9cac95b41496|IncidentEvent|IncidentEvent|10|2024-04-18 23:23:37.459458
229|6e3cf582-8ba5-419b-8da5-d9000fb070aa|e8cc4ed7-8b3e-4f18-8f08-d4bc5850c90b|IncidentEvent|IncidentEvent|10|2024-04-18 23:23:37.472574
230|54f4776c-78ae-47fa-9fc4-c32d86cf432d|344035e5-a4f9-4146-aafd-2abb9ad2d9f6|IncidentEvent|IncidentEvent|10|2024-04-18 23:23:37.487558
sqlite>
```

Curl doesn't seem to work unfortunately

```
azureuser@Kafka:~/nginx$ curl http://acit3855group4kafka.eastus2.cloudapp.azure.com/anomaly/anomalies
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8" />
    <link rel="icon" href="/logo_icon.png" />
    <meta name="viewport" content="width=device-width, initial-scale=1" />
    <meta name="theme-color" content="#000000" />
    <meta
      name="description"
      content="Robeen Fials to Notice Typos for Hours"
    />
    <title>Transit Todays</title>
  </head>
  <body>
    <div id="root"></div>
    <script src="/static/js/bundle.js"></script><script src="/static/js/0.chunk.js"></script><script src="/static/js/main.chunk.js"></script></body>
  </html>
azureuser@Kafka:~/nginx$ |
```