```
Administrator: Windows PowerShell

PS C:\sb\projects\kafka-mini> docker network create kafka-network
b96d97797697e0114c4f1401eb364a9256059c2c8e6b6c57bfd68f6644c8e42c
PS C:\sb\projects\kafka-mini>
```

docker-compose -f docker-compose.kafka.yml up --build

```
broker_1     | [2022-05-26 04:20:39,354] INFO [Controller id=1] Processing automatic preferred replica leader election (k
afka.controller.KafkaController)
broker_1     | [2022-05-26 04:20:39,355] TRACE [Controller id=1] Checking need to trigger auto leader balancing (kafka.co
ntroller.KafkaController)
broker_1     | [2022-05-26 04:25:39,357] INFO [Controller id=1] Processing automatic preferred replica leader election (k
afka.controller.KafkaController)
broker_1     | [2022-05-26 04:25:39,357] TRACE [Controller id=1] Checking need to trigger auto leader balancing (kafka.co
ntroller.KafkaController)
broker_1     | [2022-05-26 04:30:39,357] INFO [Controller id=1] Processing automatic preferred replica leader election (k
afka.controller.KafkaController)
broker_1     | [2022-05-26 04:30:39,357] TRACE [Controller id=1] Checking need to trigger auto leader balancing (kafka.co
ntroller.KafkaController)
broker_1     | [2022-05-26 04:35:39,358] INFO [Controller id=1] Processing automatic preferred replica leader election (k
```

Docker-compose up --build

```
Administrator: Windows PowerShell                                                                          —

generator_1  | {'source': '0GNvpc03zNfm', 'target': 'euQaVLpabk3V', 'amount': 513.92, 'currency': 'USD'}
generator_1  | {'source': '4JVsSbxnVlB1', 'target': 'udkFs0mXdp6K', 'amount': 291.22, 'currency': 'USD'}
generator_1  | {'source': 'LWlftmkWvKRY', 'target': 'kgzPgX4c2Aoo', 'amount': 277.21, 'currency': 'USD'}
generator_1  | {'source': 'xQXag8jG4dUL', 'target': 'OCXEXdzM6c4t', 'amount': 895.45, 'currency': 'USD'}
generator_1  | {'source': 'mfi6LFMRs2qf', 'target': 'gD0OLMrMCGRi', 'amount': 474.77, 'currency': 'USD'}
generator_1  | {'source': 'zitggP8Rz2rx', 'target': '8oZ4MK8A84XF', 'amount': 226.98, 'currency': 'USD'}
generator_1  | {'source': 'VmcYkYrOl6z0', 'target': 'jy7Az59cq2g4', 'amount': 196.01, 'currency': 'USD'}
generator_1  | {'source': 'ZtP9MyPelZrz', 'target': 'ZUOQX48NBDEF', 'amount': 974.89, 'currency': 'USD'}
generator_1  | {'source': 'gosBhA4KIRFI', 'target': '392uvdfa4IGo', 'amount': 579.05, 'currency': 'USD'}
generator_1  | {'source': '4Dh3ETBB1Ulu', 'target': '0S2HuFsKv6OI', 'amount': 830.64, 'currency': 'USD'}
generator_1  | {'source': 'OmxhCh6QzsUV', 'target': 'ASZwrIpnPSyv', 'amount': 872.2, 'currency': 'USD'}
generator_1  | {'source': 'yjwpD1pA3x4D', 'target': 'RlRVK3Y01Zis', 'amount': 135.53, 'currency': 'USD'}
generator_1  | {'source': 'MyJyx5iWfuVV', 'target': 'ljAV6LI5o7KA', 'amount': 884.03, 'currency': 'USD'}
generator_1  | {'source': 'c5btScKu2xj9', 'target': 'ZBbgJ1S8TJb4', 'amount': 202.37, 'currency': 'USD'}
generator_1  | {'source': 'mJf73EuZk4Ke', 'target': 'cJxp2MJGHkli', 'amount': 161.96, 'currency': 'USD'}
generator_1  | {'source': 'xwAheYeTRKDw', 'target': '6yimMPYESD1i', 'amount': 554.98, 'currency': 'USD'}
Gracefully stopping... (press Ctrl+C again to force)
Stopping kafka-mini_detector_1   ... done
Stopping kafka-mini_generator_1 ... done
```

docker-compose -f docker-compose.kafka.yml exec broker kafka-console-consumer --bootstrap-server localhost:9092 --topic streaming.transactions.fraud

```
Administrator: Windows PowerShell
{"source": "dh38iuVJ0QQG", "target": "dRaS12cz26fi", "amount": 809.95, "currency": "USD"}
{"source": "YEdAtsMZIXCg", "target": "A5mbhrAHgbSn", "amount": 932.15, "currency": "USD"}
{"source": "9QcZ2Itj5iSY", "target": "9lj8wUbQPamD", "amount": 858.56, "currency": "USD"}
{"source": "KeIxP5lP6txR", "target": "gjhIqpy2MyIi", "amount": 888.27, "currency": "USD"}
{"source": "DAnnUveSZrce", "target": "InZK5dHHZr4W", "amount": 906.55, "currency": "USD"}
{"source": "rnHh9CY2DXMn", "target": "fmtVmRKeAS4E", "amount": 896.93, "currency": "USD"}
{"source": "jItdr9OP8CoV", "target": "0nBfY4KFZyTR", "amount": 856.39, "currency": "USD"}
{"source": "6RvL3jBrQwAG", "target": "ISRTnFkF9McX", "amount": 823.93, "currency": "USD"}
{"source": "bDCDL0NvAeFj", "target": "X5XOXhunkmre", "amount": 979.63, "currency": "USD"}
{"source": "18jo5Z0AV0ax", "target": "V6jmhrX9lf4b", "amount": 975.78, "currency": "USD"}
{"source": "CgNaTZ7IkHph", "target": "7cWR3EIGBPh1", "amount": 920.14, "currency": "USD"}
{"source": "5cCbvqDZ8FDQ", "target": "NGu2lJn8eeoI", "amount": 958.63, "currency": "USD"}
{"source": "T8m1PgBI1y2i", "target": "r44DiW8v01we", "amount": 892.63, "currency": "USD"}
{"source": "LGXMOcG5VKX4", "target": "8e0ZQMvVL2b8", "amount": 914.88, "currency": "USD"}
{"source": "vMbJSt2RpLpp", "target": "wIqvqRQeuxBW", "amount": 941.41, "currency": "USD"}
{"source": "dUqAhymc3FQY", "target": "TiPKPe2vJtVZ", "amount": 924.84, "currency": "USD"}
{"source": "lCPh0tBSVvFF", "target": "6Hg0vlUgkyFo", "amount": 918.87, "currency": "USD"}
^C{"source": "J3TsB6vYiaNz", "target": "sYEpUqooytfC", "amount": 867.69, "currency": "USD"}
Processed a total of 673 messages
PS C:\sb\projects\kafka-mini>
```

docker-compose -f docker-compose.kafka.yml exec broker kafka-console-consumer --bootstrap-server localhost:9092 --topic streaming.transactions.legit

```
Administrator: Windows PowerShell
{"source": "1vxV38odbGFV", "target": "jj5mdHbMr1ar", "amount": 359.1, "currency": "USD"}
{"source": "bSrrJyt2teOG", "target": "xbVQhqLbMlgx", "amount": 423.36, "currency": "USD"}
{"source": "W1irWQvSXhwQ", "target": "BnoMPwPDO1aj", "amount": 658.6, "currency": "USD"}
{"source": "7mnaXj6QO3gL", "target": "5nEIYXNAwWe1", "amount": 180.32, "currency": "USD"}
{"source": "y3ihvGibY8jb", "target": "Qhzh0qLsqHjw", "amount": 742.19, "currency": "USD"}
{"source": "DoGfwoKut04M", "target": "bEwt2dRxUIJH", "amount": 370.06, "currency": "USD"}
{"source": "ysRA12SnFbbg", "target": "syA7d23isVJn", "amount": 260.63, "currency": "USD"}
{"source": "K6wYgYVi6xLV", "target": "9QgExPix32Rh", "amount": 525.4, "currency": "USD"}
{"source": "VkPkOunZPDBX", "target": "miKM2JBQmbJy", "amount": 514.11, "currency": "USD"}
{"source": "0xjDr8pCN7YU", "target": "uqPMo2EhFvxj", "amount": 645.32, "currency": "USD"}
{"source": "uNonD10tOdwU", "target": "ztvbFsLJjB7N", "amount": 398.32, "currency": "USD"}
{"source": "slkDdpphNo6R", "target": "uRhzyr1YQ5ba", "amount": 559.29, "currency": "USD"}
{"source": "2S02kym0xgD0", "target": "SDiadFtOqUrJ", "amount": 633.57, "currency": "USD"}
{"source": "xxm5m9gQtejr", "target": "iVnM0G5dpFb4", "amount": 663.78, "currency": "USD"}
{"source": "7ROe78vQjAU6", "target": "13M6lZajEO5e", "amount": 415.33, "currency": "USD"}
{"source": "W0Z91lec8pOZ", "target": "xwKukvc7SIjl", "amount": 576.06, "currency": "USD"}
{"source": "u6yKBWw32bUf", "target": "A2nCGr3QkoKi", "amount": 429.95, "currency": "USD"}
{"source": "wtvzhnGLsGzT", "target": "RiQ1UGVC2Wn3", "amount": 53.21, "currency": "USD"}
^CProcessed a total of 453 messages
PS C:\sb\projects\kafka-mini>
```