

1. Дані з двох сенсорів

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vpryimak@Liza-TravelMate-P214-52:~/Documents/PyTEST$ python3 send_msg_building_sensor.py
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:35:00.654597', 'temperature': 26, 'humidity': 32}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:35:05.669274', 'temperature': 34, 'humidity': 71}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:35:10.675043', 'temperature': 38, 'humidity': 72}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:35:15.679950', 'temperature': 37, 'humidity': 40}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:35:20.684952', 'temperature': 44, 'humidity': 54}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:35:25.690980', 'temperature': 43, 'humidity': 67}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:35:30.700970', 'temperature': 32, 'humidity': 68}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:35:35.713329', 'temperature': 29, 'humidity': 83}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:35:40.724019', 'temperature': 29, 'humidity': 16}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:35:45.731931', 'temperature': 36, 'humidity': 21}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:35:50.737303', 'temperature': 42, 'humidity': 66}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:35:55.744941', 'temperature': 38, 'humidity': 19}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:36:00.755939', 'temperature': 30, 'humidity': 84}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:36:05.761974', 'temperature': 25, 'humidity': 27}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:36:10.775974', 'temperature': 30, 'humidity': 85}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:36:15.786935', 'temperature': 42, 'humidity': 76}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:36:20.794300', 'temperature': 36, 'humidity': 76}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:36:25.799933', 'temperature': 31, 'humidity': 61}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:36:30.810931', 'temperature': 36, 'humidity': 27}

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wprylnak@liza:~$ python3 send_msg_building_sensor.py
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:35:00.65697', 'temperature': 26, 'humidity': 32}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:35:05.669274', 'temperature': 34, 'humidity': 71}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:35:10.675643', 'temperature': 38, 'humidity': 72}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:35:15.679950', 'temperature': 37, 'humidity': 40}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:35:20.684952', 'temperature': 44, 'humidity': 54}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:35:25.690980', 'temperature': 43, 'humidity': 67}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:35:30.700970', 'temperature': 32, 'humidity': 68}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:35:35.713329', 'temperature': 29, 'humidity': 83}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:35:40.724019', 'temperature': 29, 'humidity': 16}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:35:45.731931', 'temperature': 36, 'humidity': 21}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:35:50.737303', 'temperature': 42, 'humidity': 66}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:35:55.744941', 'temperature': 38, 'humidity': 19}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:36:00.755939', 'temperature': 30, 'humidity': 84}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:36:05.761974', 'temperature': 25, 'humidity': 27}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:36:10.775974', 'temperature': 30, 'humidity': 85}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:36:15.786935', 'temperature': 42, 'humidity': 76}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:36:20.794300', 'temperature': 36, 'humidity': 76}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:36:25.799933', 'temperature': 31, 'humidity': 61}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:36:30.810931', 'temperature': 36, 'humidity': 27}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:36:35.817989', 'temperature': 32, 'humidity': 74}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:36:40.823958', 'temperature': 41, 'humidity': 58}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:36:45.828981', 'temperature': 35, 'humidity': 63}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:36:50.837023', 'temperature': 35, 'humidity': 47}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:36:55.842934', 'temperature': 40, 'humidity': 59}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:37:00.847935', 'temperature': 45, 'humidity': 67}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:37:05.853138', 'temperature': 35, 'humidity': 28}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:37:10.861163', 'temperature': 29, 'humidity': 73}
Sent data: {'sensor_id': 7333, 'timestamp': '2024-11-24T12:37:15.867046', 'temperature': 25, 'humidity': 15}

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2. після запуску команди ***spark-submit --packages***

org.apache.spark:spark-sql-kafka-0-10_2.12:3.2.0 stream.py Дані через стрімінг потрапляють знов в кафку, що видно з виводу файла який читає відповідний топік:

[illegible]