

Дмитренко ФБ-42мп

Запустив кафка

	lab4	Running (4/4)	1.24%	2 minutes ago			
	zookeeper	Running	0.08%	2181:2181	2 minutes ago		
	kafka1	Running	0.43%	19092:19092	2 minutes ago		
	kafka2	Running	0.37%	29092:29092	2 minutes ago		
	kafka3	Running	0.36%	39092:39092	2 minutes ago		

Створив топик

```
PS C:\Users\dmr\Desktop\5_2\dsd\lab4> docker exec -it kafka1 kafka-topics --create --topic lab4_messages_topic --bootstrap-server kafka1:9092,kafka2:9093,kafka3:9094 --replication-factor 3 --partitions 3
WARNING: Due to limitations in metric names, topics with a period ('.') or underscore ('_') could collide. To avoid issues it is best to use either, but not both.
Created topic lab4_messages_topic.
PS C:\Users\dmr\Desktop\5_2\dsd\lab4> docker exec -it kafka1 kafka-topics --describe --topic lab4_messages_topic --bootstrap-server kafka1:9092,kafka2:9093,kafka3:9094
Topic: lab4_messages_topic TopicId: ppG6zPVoScuPF5G1PceosA PartitionCount: 3 ReplicationFactor: 3 Configs:
Topic: lab4_messages_topic Partition: 0 Leader: 2 Replicas: 2,3,1 Isr: 2,3,1
Topic: lab4_messages_topic Partition: 1 Leader: 3 Replicas: 3,1,2 Isr: 3,1,2
Topic: lab4_messages_topic Partition: 2 Leader: 1 Replicas: 1,2,3 Isr: 1,2,3
PS C:\Users\dmr\Desktop\5_2\dsd\lab4>
```

Далі запусу hazelcast

	hazelcast-node-2-1	Running	4.08%	5702:5701	8 seconds ago		
	hazelcast-node-1-1	Running	3.33%	5701:5701	8 seconds ago		
	hazelcast-node-3-1	Running	1.81%	5703:5701	7 seconds ago		
	hazelcast-mancenter-1	Running	401.55%	8080:8080	7 seconds ago		

http://localhost:8001/message

POST http://localhost:8001/message

Params Authorization Headers (8) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary JSON

```
1 {
2   "msg": "Message 3"
3 }
4
```

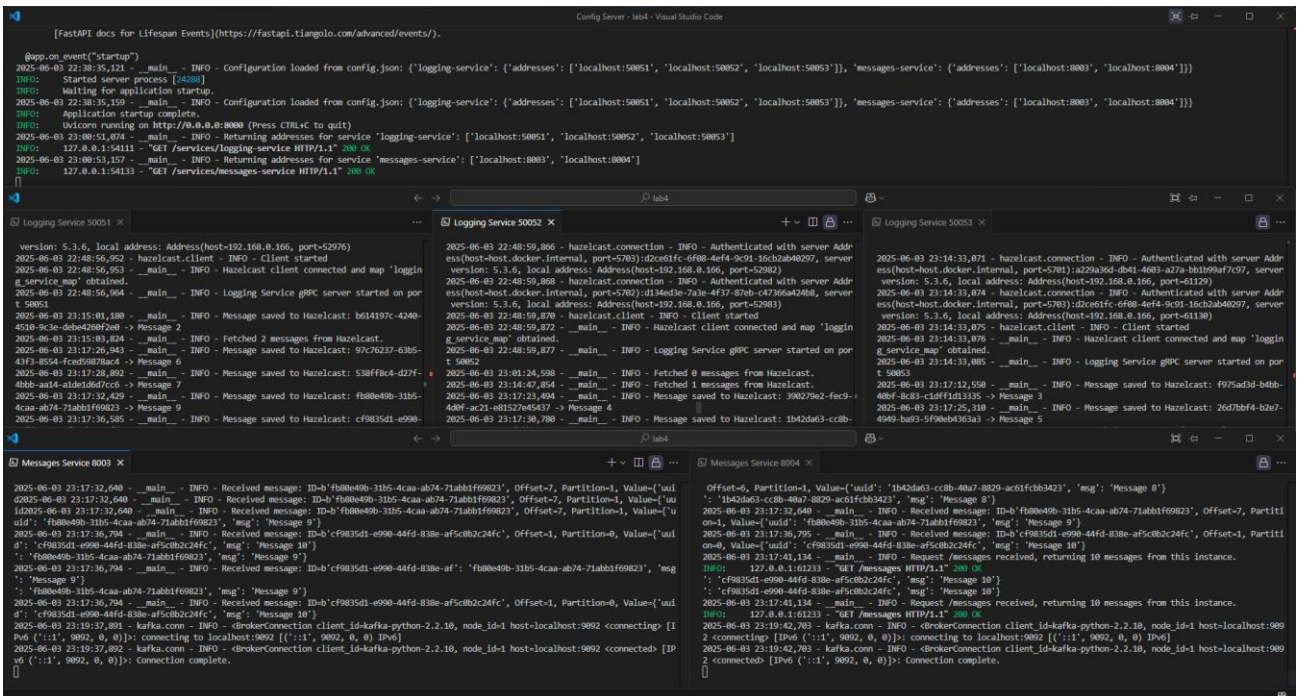
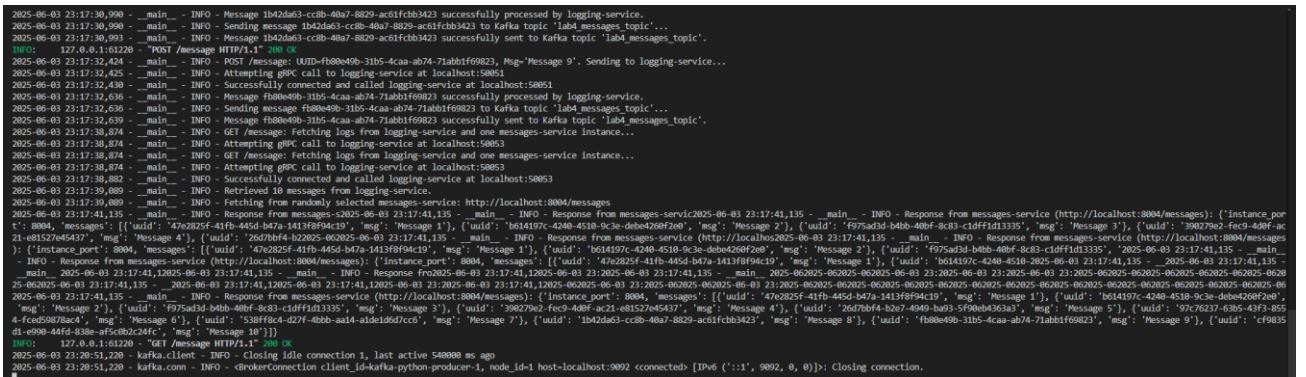
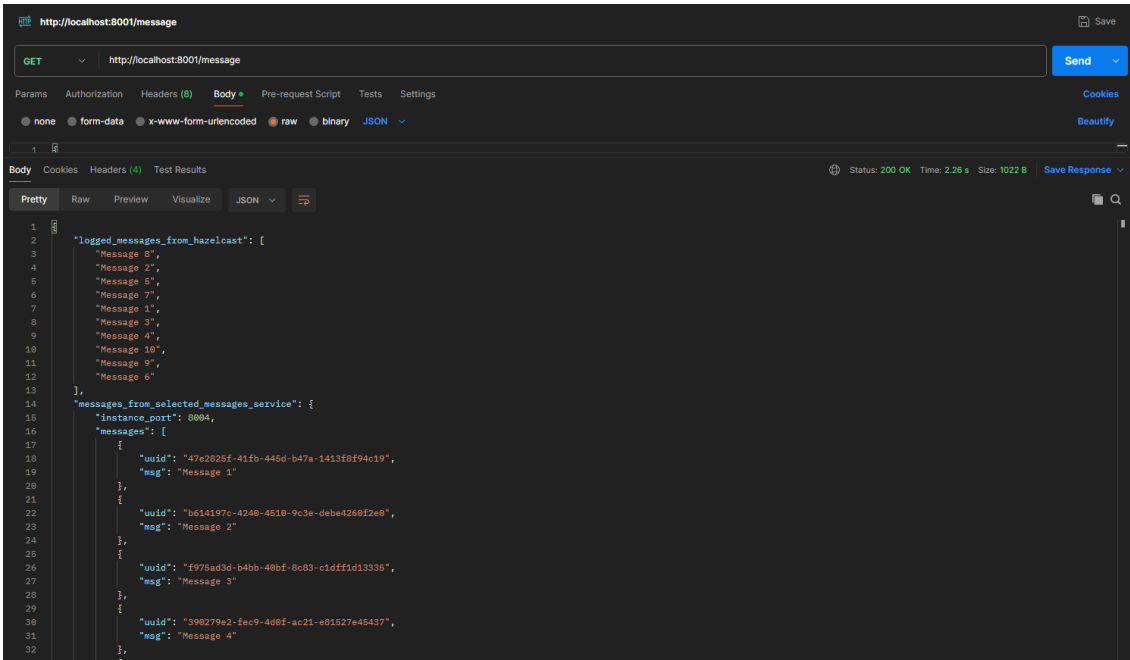
Body Cookies Headers (4) Test Results

Status: 200 OK Time: 223 ms Size: 244 B

Pretty Raw Preview Visualize JSON

```
1 {
2   "status": "Message sent to logging service and Kafka",
3   "uuid": "f975ad3d-b4bb-40bf-8c83-c1dff1d13335",
4   "msg": "Message 3"
5 }
```

```
INFO: 127.0.0.1:61169 - "GET /message HTTP/1.1" 200 OK
2025-06-03 23:17:12,544 - _main - INFO - POST /message: UUID=f975ad3d-b4bb-40bf-8c83-c1dff1d13335, Msg='Message 3'. Sending to logging-service...
2025-06-03 23:17:12,545 - _main - INFO - Attempting gRPC call to logging-service at localhost:50053
2025-06-03 23:17:12,551 - _main - INFO - Successfully connected and called logging-service at localhost:50053
2025-06-03 23:17:12,758 - _main - INFO - Message f975ad3d-b4bb-40bf-8c83-c1dff1d13335 successfully processed by logging-service.
2025-06-03 23:17:12,758 - _main - INFO - Sending message f975ad3d-b4bb-40bf-8c83-c1dff1d13335 to Kafka topic 'lab4_messages_topic'...
2025-06-03 23:17:12,759 - kafka.conn - INFO - <BrokerConnection client_id=kafka-python-producer-1, node_id=3 host=localhost:9094 <connecting> [IPv6 (:::1', 9094, 0, 0)]: connecting to localhost:9094 [IPv6 (:::1', 9094, 0, 0) IPv6]
2025-06-03 23:17:12,759 - kafka.conn - INFO - <BrokerConnection client_id=kafka-python-producer-1, node_id=3 host=localhost:9094 <connected> [IPv6 (:::1', 9094, 0, 0)]: Connection complete.
2025-06-03 23:17:12,763 - _main - INFO - Message f975ad3d-b4bb-40bf-8c83-c1dff1d13335 successfully sent to Kafka topic 'lab4_messages_topic'.
INFO: 127.0.0.1:61213 - "POST /message HTTP/1.1" 200 OK
2025-06-03 23:17:23,489 - _main - INFO - POST /message: UUID=390279e2-fec9-4d0f-ac21-e81527e45437, Msg='Message 4'. Sending to logging-service...
2025-06-03 23:17:23,490 - _main - INFO - Attempting gRPC call to logging-service at localhost:50052
2025-06-03 23:17:23,494 - _main - INFO - Successfully connected and called logging-service at localhost:50052
2025-06-03 23:17:23,700 - _main - INFO - Message 390279e2-fec9-4d0f-ac21-e81527e45437 successfully processed by logging-service.
2025-06-03 23:17:23,700 - _main - INFO - Sending message 390279e2-fec9-4d0f-ac21-e81527e45437 to Kafka topic 'lab4_messages_topic'...
2025-06-03 23:17:23,703 - _main - INFO - Message 390279e2-fec9-4d0f-ac21-e81527e45437 successfully sent to Kafka topic 'lab4_messages_topic'.
INFO: 127.0.0.1:61220 - "POST /message HTTP/1.1" 200 OK
```



## Вимкнув 2 меседж сервіси

```
Messages Service 8003 X
ition=0, Value={'uuid': 'cf9835d1-e990-44fd-838e-af5c0b2c24fc', 'msg': 'Message 10'}
2025-06-03 23:32:15,589 - __main__ - INFO - Received message: ID=b'bc301afa-4cac-45ea-af03-ab37e57e8d04', Offset=2, Partition=0, Value={'uuid': 'bc301afa-4cac-45ea-af03-ab37e57e8d04', 'msg': 'Message 11'}
INFO: Shutting down
INFO: Waiting for application shutdown.
INFO: Application shutdown complete.
INFO: Finished server process [33720]
PS C:\Users\dmytr\Desktop\5_2\dsd\lab4>

Messages Service 8004 X
on=1, Value={'uuid': '97c76237-63b5-43f3-8554-40a9-ba93-f98eb1361a3', 'msg': 'Message 12'}
2025-06-03 23:32:18,022 - __main__ - INFO - Received message: ID=b'bc301afa-4cac-45ea-af03-ab37e57e8d04', Offset=2, Partition=0, Value={'uuid': 'bc301afa-4cac-45ea-af03-ab37e57e8d04', 'msg': 'Message 11'}
2025-06-03 23:32:18,023 - __main__ - INFO - Received message: ID=b'bc301afa-4cac-45ea-af03-ab37e57e8d04', Offset=2, Partition=0, Value={'uuid': 'bc301afa-4cac-45ea-af03-ab37e57e8d04', 'msg': 'Message 11'}
2025-06-03 23:32:18,023 - __main__ - INFO - Received message: ID=b'bc301afa-4cac-45ea-af03-ab37e57e8d04', Offset=2, Partition=0, Value={'uuid': 'bc301afa-4cac-45ea-af03-ab37e57e8d04', 'msg': 'Message 11'}
2025-06-03 23:32:18,025 - __main__ - INFO - Received message: ID=b'bc301afa-4cac-45ea-af03-ab37e57e8d04', Offset=2, Partition=0, Value={'uuid': 'bc301afa-4cac-45ea-af03-ab37e57e8d04', 'msg': 'Message 11'}
2025-06-03 23:32:18,025 - __main__ - INFO - Received message: ID=b'bc301afa-4cac-45ea-af03-ab37e57e8d04', Offset=2, Partition=0, Value={'uuid': 'bc301afa-4cac-45ea-af03-ab37e57e8d04', 'msg': 'Message 11'}
2025-06-03 23:32:18,025 - __main__ - INFO - Received message: ID=b'bc301afa-4cac-45ea-af03-ab37e57e8d04', Offset=2, Partition=0, Value={'uuid': 'bc301afa-4cac-45ea-af03-ab37e57e8d04', 'msg': 'Message 11'}
INFO: Shutting down
INFO: Waiting for application shutdown.
INFO: Application shutdown complete.
INFO: Finished server process [30368]
PS C:\Users\dmytr\Desktop\5_2\dsd\lab4>
```

## Додав ще кілька меседжів

```
http://localhost:8001/message
POST http://localhost:8001/message ...
Body
{"msg": "Message 20"}
Response
{"status": "Message sent to logging service and Kafka", "uuid": "a6f48768-367e-40ca-bc36-7998f6d58b6", "msg": "Message 20"}
```

## Логгінг сервіс:

```
Logging Service 50051 X
2025-06-03 23:17:26,943 - __main__ - INFO - Message saved to Hazelcast: 97c76237-63b5-43f3-8554-fced5808bac4 -> Message 6
2025-06-03 23:17:28,892 - __main__ - INFO - Message saved to Hazelcast: 538ff8c4-d27f-4bba-aaf4-a1d4a1d4a1d4 -> Message 7
2025-06-03 23:17:32,429 - __main__ - INFO - Message saved to Hazelcast: fb80e0b0-31b5-4caa-b074-71ab81f60823 -> Message 9
2025-06-03 23:17:36,585 - __main__ - INFO - Message saved to Hazelcast: cf9835d1-e990-44fd-838e-af5c0b2c24fc -> Message 10
2025-06-03 23:24:55,626 - __main__ - INFO - Fetched 10 messages from Hazelcast.
2025-06-03 23:30:30,429 - __main__ - INFO - Message saved to Hazelcast: bc301afa-4cac-45ea-af03-ab37e57e8d04 -> Message 11
2025-06-03 23:36:45,766 - __main__ - INFO - Message saved to Hazelcast: 09fa45f2-d801-4e47-98bd-bb328fd7d2d8 -> Message 13
2025-06-03 23:37:45,447 - __main__ - INFO - Message saved to Hazelcast: cd7c32fa-980c-4a4a-a411-940d1c3b5d4 -> Message 14
2025-06-03 23:37:58,629 - __main__ - INFO - Message saved to Hazelcast: a6f48768-367e-40ca-bc35-f798f6d58b6 -> Message 20

Logging Service 50052 X
2025-06-03 22:48:59,870 - hazelcast.client - INFO - Client started
2025-06-03 22:48:59,872 - __main__ - INFO - Hazelcast client connected and map 'logging_service_map' obtained.
2025-06-03 22:48:59,877 - __main__ - INFO - Logging Service gRPC server started on port 50052
2025-06-03 23:01:24,598 - __main__ - INFO - Fetched 0 messages from Hazelcast.
2025-06-03 23:14:47,854 - __main__ - INFO - Fetched 1 messages from Hazelcast.
2025-06-03 23:17:32,494 - __main__ - INFO - Message saved to Hazelcast: 99029e2-fecd-4d0f-ac21-e81527e85437 -> Message 4
2025-06-03 23:17:30,790 - __main__ - INFO - Message saved to Hazelcast: 1b42da63-c0b-40a7-8829-ac41fcb3423 -> Message 8
2025-06-03 23:36:42,947 - __main__ - INFO - Message saved to Hazelcast: d5a0c21a-2517-4eab-8868-20a3235f8ad3 -> Message 12
2025-06-03 23:37:47,321 - __main__ - INFO - Message saved to Hazelcast: fe608314-326f-46a7-af80-c990f5eacdb -> Message 15
2025-06-03 23:37:53,538 - __main__ - INFO - Message saved to Hazelcast: 979c1ca4-3c71-4239-ac56-15d004414a20 -> Message 18

Logging Service 50053 X
version: 5.3.6, local address: Address(host=192.168.8.166, port=61130)
2025-06-03 23:14:33,075 - hazelcast.client - INFO - Client started
2025-06-03 23:14:33,076 - __main__ - INFO - Hazelcast client connected and map 'logging_service_map' obtained.
2025-06-03 23:14:33,085 - __main__ - INFO - Logging Service gRPC server started on port 50053
2025-06-03 23:17:32,559 - __main__ - INFO - Message saved to Hazelcast: 9752a4d3-b4b6-40a9-ba93-f98eb1361a3 -> Message 3
2025-06-03 23:17:36,802 - __main__ - INFO - Fetched 10 messages from Hazelcast.
2025-06-03 23:37:49,413 - __main__ - INFO - Message saved to Hazelcast: 42299eca-3053-414c-88d5-db394ebf726f -> Message 16
2025-06-03 23:37:51,488 - __main__ - INFO - Message saved to Hazelcast: 7fc24079-2bd4-4085-b23e-34a4a054f94a -> Message 17
2025-06-03 23:37:55,375 - __main__ - INFO - Message saved to Hazelcast: 9be93c98-ec5a-4234-843e-e36024473f02 -> Message 19
```

## Стопаю лідера

```
2025-06-03 23:41:48 kafka2 | [2025-06-03 20:41:48,417] TRACE [Controller id=2] Leader imbalance ratio for broker 3 is 0.0 (kafka.controller.KafkaController)

kafka2 exited with code 0
kafka2 exited with code 143
kafka3 | 2025-06-03 20:37:20:43:10.383148068Z [2025-06-03 20:43:10,382] INFO [Controller id=3] Processing automatic preferred replica leader election (kafka.controller.KafkaController)
2025-06-03 23:43:10 kafka3 | [2025-06-03 20:43:10,383] TRACE [Controller id=3] Checking need to trigger auto leader balancing (kafka.controller.KafkaController)
2025-06-03 23:43:10 kafka3 | [2025-06-03 20:43:10,385] DEBUG [Controller id=3] Topics not in preferred replica for broker 1 HashMap() (kafka.controller.KafkaController)
2025-06-03 23:43:10 kafka3 | [2025-06-03 20:43:10,386] TRACE [Controller id=3] Leader imbalance ratio for broker 1 is 0.0 (kafka.controller.KafkaController)
2025-06-03 23:43:10 kafka3 | [2025-06-03 20:43:10,386] DEBUG [Controller id=3] Topics not in preferred replica for broker 2 HashMap(__consumer_offsets-22 -> List(2, 1, 3), __consumer_offsets-4 -> List(2, 1, 3), __consumer_offsets-25 -> List(2, 3, 1), __consumer_offsets-49 -> List(2, 3, 1), __consumer_offsets-31 -> List(2, 3, 1), __consumer_offsets-37 -> List(2, 3, 1), __consumer_offsets-19 -> List(2, 3, 1), __consumer_offsets-13 -> List(2, 3, 1), __consumer_offsets-43 -> List(2, 3, 1), lab4_messages_topic-0 -> List(2, 3, 1), __consumer_offsets-1 -> List(2, 3, 1), __consumer_offsets-34 -> List(2, 1, 3), __consumer_offsets-7 -> List(2, 3, 1), __consumer_offsets-46 -> List(2, 1, 3), __consumer_offsets-16 -> List(2, 1, 3), __consumer_offsets-28 -> List(2, 1, 3), __consumer_offsets-10 -> List(2, 1, 3), __consumer_offsets-40 -> List(2, 1, 3)) (kafka.controller.KafkaController)
2025-06-03 23:43:10 kafka3 | [2025-06-03 20:43:10,386] TRACE [Controller id=3] Leader imbalance ratio for broker 2 is 1.0 (kafka.controller.KafkaController)
2025-06-03 23:43:10 kafka3 | [2025-06-03 20:43:10,387] INFO [Controller id=3] Starting replica leader election (PREFERRED) for partitions triggered by AutoTriggered (kafka.controller.KafkaController)
2025-06-03 23:43:10 kafka3 | [2025-06-03 20:43:10,388] DEBUG [Controller id=3] Topics not in preferred replica for broker 3 HashMap() (kafka.controller.KafkaController)
2025-06-03 23:43:10 kafka3 | [2025-06-03 20:43:10,388] TRACE [Controller id=3] Leader imbalance ratio for broker 3 is 0.0 (kafka.controller.KafkaController)
```



## Запускаємо знову меседж сервіси:

```
Messages Service 8003 X
2025-06-03 23:43:55,424 - kafka.com - INFO - <BrokerConnection client_id=kafka-python-2.2.10, node_id=bootstrap-0 host=localhost:9004 connected [IPv6 ('::1', 9004, 0, 0)]: Closing connection.
2025-06-03 23:43:55,676 - kafka.consumer.fetcher - INFO - Resetting offset for partition TopicPartition(topic='lab4_messages_topic', partition=0) to offset 0.
2025-06-03 23:43:55,677 - kafka.consumer.fetcher - INFO - Resetting offset for partition TopicPartition(topic='lab4_messages_topic', partition=1) to offset 0.
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'6b14197c-4240-4510-9c3e-debe4260f2e0', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'6b14197c-4240-4510-9c3e-debe4260f2e0', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'cf9835d1-e990-44fd-838e-af5c0b2c24fc', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'cf9835d1-e990-44fd-838e-af5c0b2c24fc', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'bc301afa-4cac-45ea-af03-ab37e57e0804', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'bc301afa-4cac-45ea-af03-ab37e57e0804', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'09fa45f2-d801-4e47-988d-bb320fd7d2d8', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'09fa45f2-d801-4e47-988d-bb320fd7d2d8', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'cd7c32f4-908c-d4fa-a441-140e61cb35f', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'cd7c32f4-908c-d4fa-a441-140e61cb35f', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'f668314-326f-4647-af09-67997f5acd5b', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'f668314-326f-4647-af09-67997f5acd5b', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'422906ca-3053-414c-8055-d0394e3bf26f', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'422906ca-3053-414c-8055-d0394e3bf26f', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'9be93c98-e5a-423d-843e-e36024473f02', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'9be93c98-e5a-423d-843e-e36024473f02', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'47e2825f-41fb-445d-b47a-1413f8f94c19', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'47e2825f-41fb-445d-b47a-1413f8f94c19', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'f975ad3d-b4b0-40bf-8c83-c1dff1d13335', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'f975ad3d-b4b0-40bf-8c83-c1dff1d13335', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'39027902-fec9-4a0f-ac21-e01527e45437', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'39027902-fec9-4a0f-ac21-e01527e45437', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'26d7bbf4-b2e7-4940-ba03-5f900b4363a3', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'26d7bbf4-b2e7-4940-ba03-5f900b4363a3', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'97c76237-63b5-43f3-8554-fcd50878ac4', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'97c76237-63b5-43f3-8554-fcd50878ac4', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'538ff8c4-d2f7-40b6-a014-aided1dd7cc0', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'538ff8c4-d2f7-40b6-a014-aided1dd7cc0', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'1b42da63-c81b-40a7-8029-acd1fbb423', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'1b42da63-c81b-40a7-8029-acd1fbb423', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'fb08e40b-31b5-4caa-ab74-71abb1f69823', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'fb08e40b-31b5-4caa-ab74-71abb1f69823', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'd5a0c21a-2517-4a0b-8008-20a3235f0ad3', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'd5a0c21a-2517-4a0b-8008-20a3235f0ad3', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'7fc24479-2bd4-40b5-b23e-3ak0c554f9a4', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'7fc24479-2bd4-40b5-b23e-3ak0c554f9a4', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'979c1c04-3c71-4239-ac06-15d094414a20', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'979c1c04-3c71-4239-ac06-15d094414a20', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'a6f48768-367e-40ca-bc35-f790f65d58b6', 0
2025-06-03 23:43:55,680 - main - INFO - Received message: ID=b'a6f48768-367e-40ca-bc35-f790f65d58b6', 0

Messages Service 8004 X
2025-06-03 23:43:57,807 - kafka.com - INFO - <BrokerConnection client_id=kafka-python-2.2.10, node_id=bootstrap-0 host=localhost:9004 connected [IPv6 ('::1', 9004, 0, 0)]: Closing connection.
2025-06-03 23:43:57,900 - kafka.consumer.fetcher - INFO - Resetting offset for partition TopicPartition(topic='lab4_messages_topic', partition=0) to offset 0.
2025-06-03 23:43:57,900 - kafka.consumer.fetcher - INFO - Resetting offset for partition TopicPartition(topic='lab4_messages_topic', partition=1) to offset 0.
2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'6b14197c-4240-4510-9c3e-debe4260f2e0', 0
2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'6b14197c-4240-4510-9c3e-debe4260f2e0', 0
2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'cf9835d1-e990-44fd-838e-af5c0b2c24fc', 0
2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'cf9835d1-e990-44fd-838e-af5c0b2c24fc', 0
2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'bc301afa-4cac-45ea-af03-ab37e57e0804', 0
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2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'09fa45f2-d801-4e47-988d-bb320fd7d2d8', 0
2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'09fa45f2-d801-4e47-988d-bb320fd7d2d8', 0
2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'cd7c32f4-908c-d4fa-a441-140e61cb35f', 0
2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'cd7c32f4-908c-d4fa-a441-140e61cb35f', 0
2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'f668314-326f-4647-af09-67997f5acd5b', 0
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2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'422906ca-3053-414c-8055-d0394e3bf26f', 0
2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'422906ca-3053-414c-8055-d0394e3bf26f', 0
2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'9be93c98-e5a-423d-843e-e36024473f02', 0
2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'9be93c98-e5a-423d-843e-e36024473f02', 0
2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'47e2825f-41fb-445d-b47a-1413f8f94c19', 0
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2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'f975ad3d-b4b0-40bf-8c83-c1dff1d13335', 0
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2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'39027902-fec9-4a0f-ac21-e01527e45437', 0
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2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'26d7bbf4-b2e7-4940-ba03-5f900b4363a3', 0
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2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'97c76237-63b5-43f3-8554-fcd50878ac4', 0
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2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'538ff8c4-d2f7-40b6-a014-aided1dd7cc0', 0
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2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'1b42da63-c81b-40a7-8029-acd1fbb423', 0
2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'1b42da63-c81b-40a7-8029-acd1fbb423', 0
2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'fb08e40b-31b5-4caa-ab74-71abb1f69823', 0
2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'fb08e40b-31b5-4caa-ab74-71abb1f69823', 0
2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'd5a0c21a-2517-4a0b-8008-20a3235f0ad3', 0
2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'd5a0c21a-2517-4a0b-8008-20a3235f0ad3', 0
2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'7fc24479-2bd4-40b5-b23e-3ak0c554f9a4', 0
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2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'979c1c04-3c71-4239-ac06-15d094414a20', 0
2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'979c1c04-3c71-4239-ac06-15d094414a20', 0
2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'a6f48768-367e-40ca-bc35-f790f65d58b6', 0
2025-06-03 23:43:57,902 - main - INFO - Received message: ID=b'a6f48768-367e-40ca-bc35-f790f65d58b6', 0
```

## Працює)

```
http://localhost:8001/message
GET http://localhost:8001/message
Body
{"logged_messages_from_hazelcast": [{"Message 13", "Message 8", "Message 19", "Message 2", "Message 6", "Message 18", "Message 20", "Message 11", "Message 7", "Message 16", "Message 15", "Message 17", "Message 1", "Message 3", "Message 14", "Message 4", "Message 12", "Message 10", "Message 9", "Message 6"}], "messages_from_selected_messages_service": {"instance_port": 8083, "messages": [{"uid": "b614197c-4240-4510-9c3e-debe4260f2e0", "msg": "Message 2"}, {"uid": "cf9835d1-e990-44fd-838e-af5c0b2c24fc", "msg": "Message 10"}, {"uid": "bc301afa-4cac-45ea-af03-ab37e57e0804", "msg": "Message 11"}, {"uid": "09fa45f2-d801-4e47-988d-bb320fd7d2d8", "msg": "Message 13"}]}}
```