

Project

ru.natali.webfluxdz

config

KafkaConfig

controller.functional.endpoint

KafkaHandler

Router

dto

MessageDto

kafkaconsumer

KafkaConsumerService

kafkaproducer

KafkaProducerService

WebfluxdzApplication

resources

application.properties

1

2

3

4

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6

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8

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10

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12

13

14

15

ava

KafkaHandler.java

MessageDto.java

KafkaProducerService.java

WebfluxdzApplication.java

KafkaConsumerService.java

application.properties

spring.application.name=Webfluxdz

#Kafka Configuration

spring.kafka.bootstrap-servers=localhost:9092

# Producer configuration

spring.kafka.producer.key-serializer=org.apache.kafka.common.serialization.StringSerializer

spring.kafka.producer.value-serializer=org.springframework.kafka.support.serializer.JsonSerializer

# Consumer configuration

spring.kafka.consumer.group-id=webflux-group

spring.kafka.consumer.auto-offset-reset=earliest

spring.kafka.consumer.key-deserializer=org.apache.kafka.common.serialization.StringDeserializer

spring.kafka.consumer.value-deserializer=org.springframework.kafka.support.serializer.JsonDeserializer

Run

WebfluxdzApplication

Console

Actuator

2025-04-14T10:13:46.312+03:00

INFO

2640

---

[Webfluxdz]

[ntainer#0-0-C-1]

o.a.k.c.c.internals.ConsumerCoordinator

:

[Consumer clientId=consumer-webflux-group-1, groupId=webflux-group] (Re-)joining group

2025-04-14T10:13:46.327+03:00

INFO

2640

---

[Webfluxdz]

[ntainer#0-0-C-1]

o.a.k.c.c.internals.ConsumerCoordinator

:

[Consumer clientId=consumer-webflux-group-1, groupId=webflux-group] Request joining group due to: need to re-join with the given member-id: consumer-webflux-group-1-bb67cd1f-f237-4c85-8481-740aaebf799a

2025-04-14T10:13:46.327+03:00

INFO

2640

---

[Webfluxdz]

[ntainer#0-0-C-1]

o.a.k.c.c.internals.ConsumerCoordinator

:

[Consumer clientId=consumer-webflux-group-1, groupId=webflux-group] (Re-)joining group

2025-04-14T10:13:46.337+03:00

INFO

2640

---

[Webfluxdz]

[ntainer#0-0-C-1]

o.a.k.c.c.internals.ConsumerCoordinator

:

[Consumer clientId=consumer-webflux-group-1, groupId=webflux-group] Successfully joined group with generation Generation{generationId=1, memberId='consumer-webflux-group-1-bb67cd1f-f237-4c85-8481-740aaebf799a', protocol='range'}

2025-04-14T10:13:46.341+03:00

INFO

2640

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[Webfluxdz]

[ntainer#0-0-C-1]

o.a.k.c.c.internals.ConsumerCoordinator

:

[Consumer clientId=consumer-webflux-group-1, groupId=webflux-group] Finished assignment for group at generation 1: {consumer-webflux-group-1-bb67cd1f-f237-4c85-8481-740aaebf799a=Assignment(partitions=[test-topic-0])}

2025-04-14T10:13:46.372+03:00

INFO

2640

---

[Webfluxdz]

[ntainer#0-0-C-1]

o.a.k.c.c.internals.ConsumerCoordinator

:

[Consumer clientId=consumer-webflux-group-1, groupId=webflux-group] Successfully synced group in generation Generation{generationId=1, memberId='consumer-webflux-group-1-bb67cd1f-f237-4c85-8481-740aaebf799a', protocol='range'}

2025-04-14T10:13:46.373+03:00

INFO

2640

---

[Webfluxdz]

[ntainer#0-0-C-1]

o.a.k.c.c.internals.ConsumerCoordinator

:

[Consumer clientId=consumer-webflux-group-1, groupId=webflux-group] Notifying assignor about the new Assignment(partitions=[test-topic-0])

2025-04-14T10:13:46.374+03:00

INFO

2640

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[Webfluxdz]

[ntainer#0-0-C-1]

k.c.c.i.ConsumerRebalanceListenerInvoker

:

[Consumer clientId=consumer-webflux-group-1, groupId=webflux-group] Adding newly assigned partitions: test-topic-0

2025-04-14T10:13:46.382+03:00

INFO

2640

---

[Webfluxdz]

[ntainer#0-0-C-1]

o.a.k.c.c.internals.ConsumerCoordinator

:

[Consumer clientId=consumer-webflux-group-1, groupId=webflux-group] Found no committed offset for partition test-topic-0

2025-04-14T10:13:46.389+03:00

INFO

2640

---

[Webfluxdz]

[ntainer#0-0-C-1]

o.a.k.c.c.internals.SubscriptionState

:

[Consumer clientId=consumer-webflux-group-1, groupId=webflux-group] Resetting offset for partition test-topic-0 to position FetchPosition{offset=0, offsetEpoch=Optional.empty, currentLeader=LeaderAndEpoch{leader=Optional[host.docker.internal:9092 (id: 0 rack: null)], epoch=0}}.

2025-04-14T10:13:46.389+03:00

INFO

2640

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[Webfluxdz]

[ntainer#0-0-C-1]

o.s.k.l.KafkaMessageListenerContainer

:

webflux-group: partitions assigned: [test-topic-0]

HTTP http://localhost:8081/api/courses/full-report

POST http://localhost:8080/kafka/send?count=3

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

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

1

Body Cookies Headers (2) Test Results

2

Pretty

Raw

Preview

Visualize

JSON



```
1 [
2   {
3     "id": 1,
4     "message": "Test message 1",
5     "sendTime": "2025-04-14T10:41:32.1208073"
6   },
7   {
8     "id": 2,
9     "message": "Test message 2",
10    "sendTime": "2025-04-14T10:41:32.1633159"
11  },
12  {
13    "id": 3,
14    "message": "Test message 3",
15    "sendTime": "2025-04-14T10:41:32.1643158"
16  }
17 ]
```

HTTP http://localhost:8081/api/courses/full-report

POST http://localhost:8080/kafka/send?count=10

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

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

1

Body Cookies Headers (2) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   {
3     "id": 1,
4     "message": "Test message 1",
5     "sendTime": "2025-04-14T10:42:47.9599871"
6   },
7   {
8     "id": 2,
9     "message": "Test message 2",
10    "sendTime": "2025-04-14T10:42:47.9599871"
11  },
12  {
13    "id": 3,
14    "message": "Test message 3",
15    "sendTime": "2025-04-14T10:42:47.9599871"
16  },
17  {
18    "id": 4,
19    "message": "Test message 4",
20    "sendTime": "2025-04-14T10:42:47.9599871"
21  },
22  {
23    "id": 5,
24    "message": "Test message 5",
25    "sendTime": "2025-04-14T10:42:47.9599871"
26  },
27  {
28    "id": 6,
29    "message": "Test message 6",
30    "sendTime": "2025-04-14T10:42:47.9599871"
31  },
32  }
```

kafka-console-consumer.bat : Имя "kafka-console-consumer.bat" не распознано как имя командлета, функции, файла сценария или выполняемой программы. Проверьте правильность написания имени, а также наличие и правильность пути, после чего повторите попытку.

строка:1 знак:1

+ kafka-console-consumer.bat --topic test-topic --bootstrap-server loca ...

+ ~~~~~

+ CategoryInfo : ObjectNotFound: (kafka-console-consumer.bat:String) [], CommandNotFoundException

+ FullyQualifiedErrorId : CommandNotFoundException

Suggestion [3,General]: Команда kafka-console-consumer.bat не найдена, однако существует в текущем расположении. По умолчанию оболочка Windows PowerShell не загружает команды из текущего расположения. Если вы уверены в надежности команды, введите ".\kafka-console-consumer.bat". Для получения дополнительных сведений вызовите справку с помощью команды "get-help about\_Command\_Precedence".

PS C:\kafka\bin\windows> .\kafka-console-consumer.bat --topic test-topic --bootstrap-server localhost:9092 --from-beginning

```
{ "id": 1, "message": "Test message 1", "sendTime": [2025, 4, 14, 10, 41, 32, 120807300] }
{ "id": 2, "message": "Test message 2", "sendTime": [2025, 4, 14, 10, 41, 32, 163315900] }
{ "id": 3, "message": "Test message 3", "sendTime": [2025, 4, 14, 10, 41, 32, 164315800] }
{ "id": 1, "message": "Test message 1", "sendTime": [2025, 4, 14, 10, 42, 47, 959987100] }
{ "id": 2, "message": "Test message 2", "sendTime": [2025, 4, 14, 10, 42, 47, 959987100] }
{ "id": 3, "message": "Test message 3", "sendTime": [2025, 4, 14, 10, 42, 47, 959987100] }
{ "id": 4, "message": "Test message 4", "sendTime": [2025, 4, 14, 10, 42, 47, 959987100] }
{ "id": 5, "message": "Test message 5", "sendTime": [2025, 4, 14, 10, 42, 47, 959987100] }
{ "id": 6, "message": "Test message 6", "sendTime": [2025, 4, 14, 10, 42, 47, 959987100] }
{ "id": 7, "message": "Test message 7", "sendTime": [2025, 4, 14, 10, 42, 47, 959987100] }
{ "id": 8, "message": "Test message 8", "sendTime": [2025, 4, 14, 10, 42, 47, 960986700] }
{ "id": 9, "message": "Test message 9", "sendTime": [2025, 4, 14, 10, 42, 47, 960986700] }
{ "id": 10, "message": "Test message 10", "sendTime": [2025, 4, 14, 10, 42, 47, 960986700] }
```