

MQT-Laboratory 6

1. Get cluster Id

Request: GET <http://localhost:8082/v3/clusters>

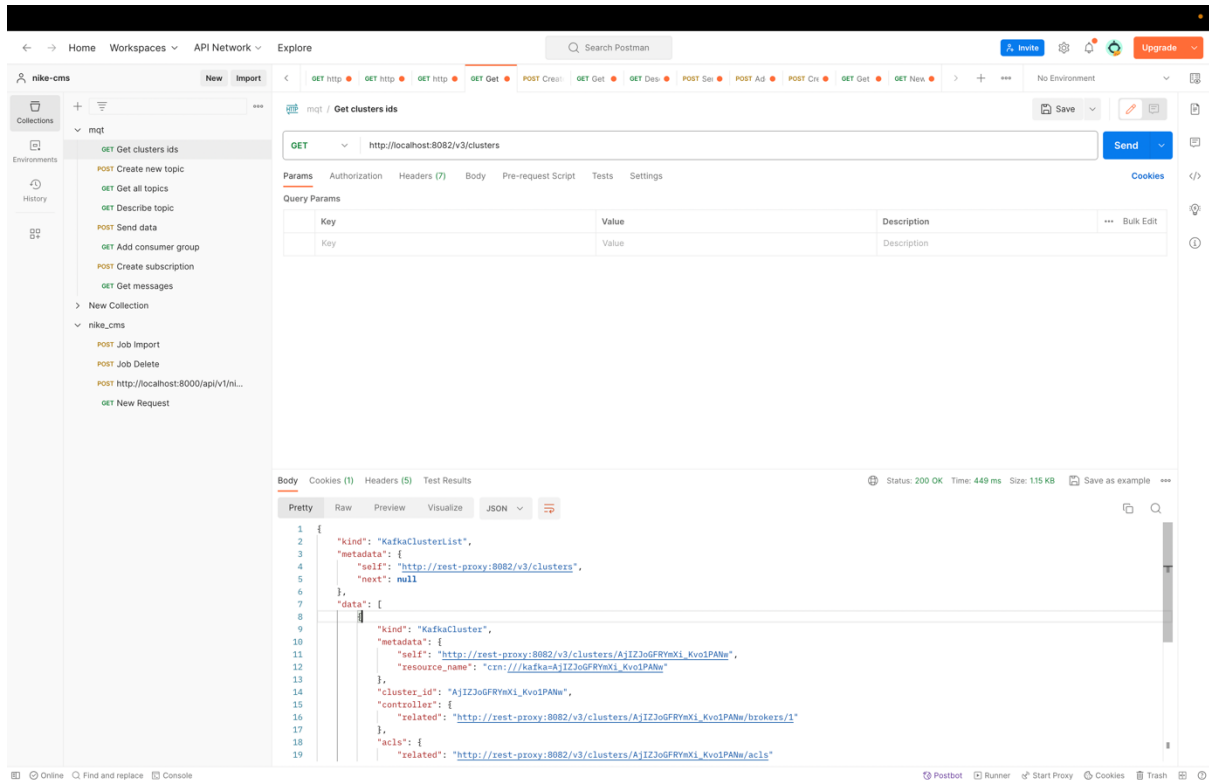
Response:

```
{
  "kind": "KafkaClusterList",
  "metadata": {
    "self": "http://rest-proxy:8082/v3/clusters",
    "next": null
  },
  "data": [
    {
      "kind": "KafkaCluster",
      "metadata": {
        "self": "http://rest-proxy:8082/v3/clusters/AjIZJoGFRYmXi_Kvo1PANw",
        "resource_name": "crn:///kafka=AjIZJoGFRYmXi_Kvo1PANw"
      },
      "cluster_id": "AjIZJoGFRYmXi_Kvo1PANw",
      "controller": {
        "related": "http://rest-proxy:8082/v3/clusters/AjIZJoGFRYmXi_Kvo1PANw/brokers/1"
      },
      "acls": {
        "related": "http://rest-proxy:8082/v3/clusters/AjIZJoGFRYmXi_Kvo1PANw/acls"
      },
      "brokers": {
        "related": "http://rest-proxy:8082/v3/clusters/AjIZJoGFRYmXi_Kvo1PANw/brokers"
      },
      "broker_configs": {
        "related": "http://rest-proxy:8082/v3/clusters/AjIZJoGFRYmXi_Kvo1PANw/broker-configs"
      },
      "consumer_groups": {
        "related": "http://rest-proxy:8082/v3/clusters/AjIZJoGFRYmXi_Kvo1PANw/consumer-groups"
      },
      "topics": {
        "related": "http://rest-proxy:8082/v3/clusters/AjIZJoGFRYmXi_Kvo1PANw/topics"
      },
      "partition_reassignments": {
```

```

    "related": "http://rest-proxy:8082/v3/clusters/AjIZJoGFRYmXi_Kvo1PANw/topics/-
/partitions/-/reassignment"
  }
}
]
}

```



2. Set cluster id

```

$cluster="TZ7rbN7FQbCOYoBBiK-oDg"
$cluster="KDT0WZN5TVi-edeqC1QwWg"
quwMo_QkQrqYvutHUCfPbw

```

3. Create topic

Body --> raw --> JSON

```
{ "topic_name" : "postman_topic" }
```

Headers

key --> Content-Type value --> application/json

Post Request: `http://localhost:8082/v3/clusters/AjIZJoGFRYmXi_Kvo1PANw/topics`

Result:

```

{
  "kind": "KafkaTopic",

```

```

"metadata": {
  "self": "http://rest-proxy:8082/v3/clusters/AjIZJoGFRYmXi_Kvo1PANw/topics/test",
  "resource_name": "crn:///kafka=AjIZJoGFRYmXi_Kvo1PANw/topic=test"
},
"cluster_id": "AjIZJoGFRYmXi_Kvo1PANw",
"topic_name": "test",
"is_internal": false,
"replication_factor": 0,
"partitions_count": 0,
"partitions": {
  "related": "http://rest-
proxy:8082/v3/clusters/AjIZJoGFRYmXi_Kvo1PANw/topics/test/partitions"
},
"configs": {
  "related": "http://rest-
proxy:8082/v3/clusters/AjIZJoGFRYmXi_Kvo1PANw/topics/test/configs"
},
"partition_reassignments": {
  "related": "http://rest-
proxy:8082/v3/clusters/AjIZJoGFRYmXi_Kvo1PANw/topics/test/partitions/-/reassignment"
}
}

```

4. List all topics:

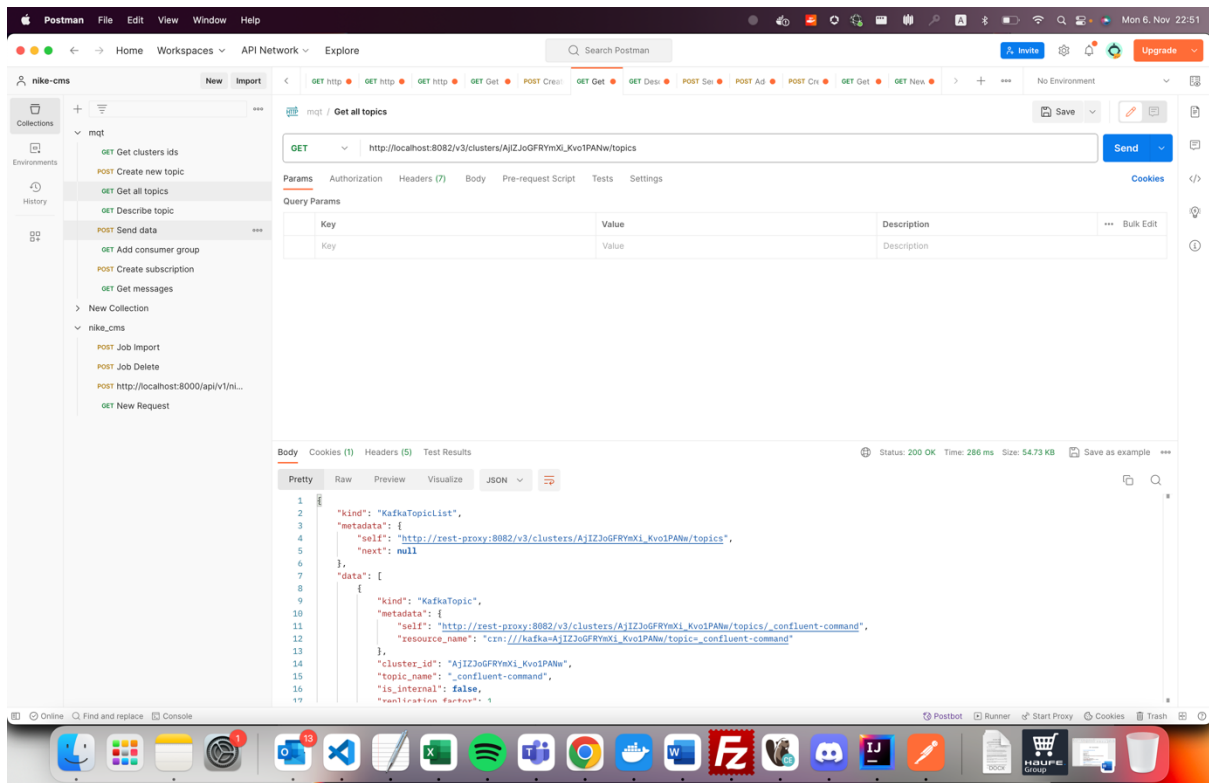
GET Request: http://localhost:8082/v3/clusters/AjIZJoGFRYmXi_Kvo1PANw/topics

Result:

```

{
  "kind": "KafkaTopicList",
  "metadata": {
    "self": "http://rest-proxy:8082/v3/clusters/AjIZJoGFRYmXi_Kvo1PANw/topics",
    "next": null
  },
  "data": [
    {
      "kind": "KafkaTopic",
      "metadata": {
        .....

```



5. Describe topic

GET Request: `http://localhost:8082/v3/clusters/AjIZJoGFRYmXi_Kvo1PANw/topics/test`

Result:

```

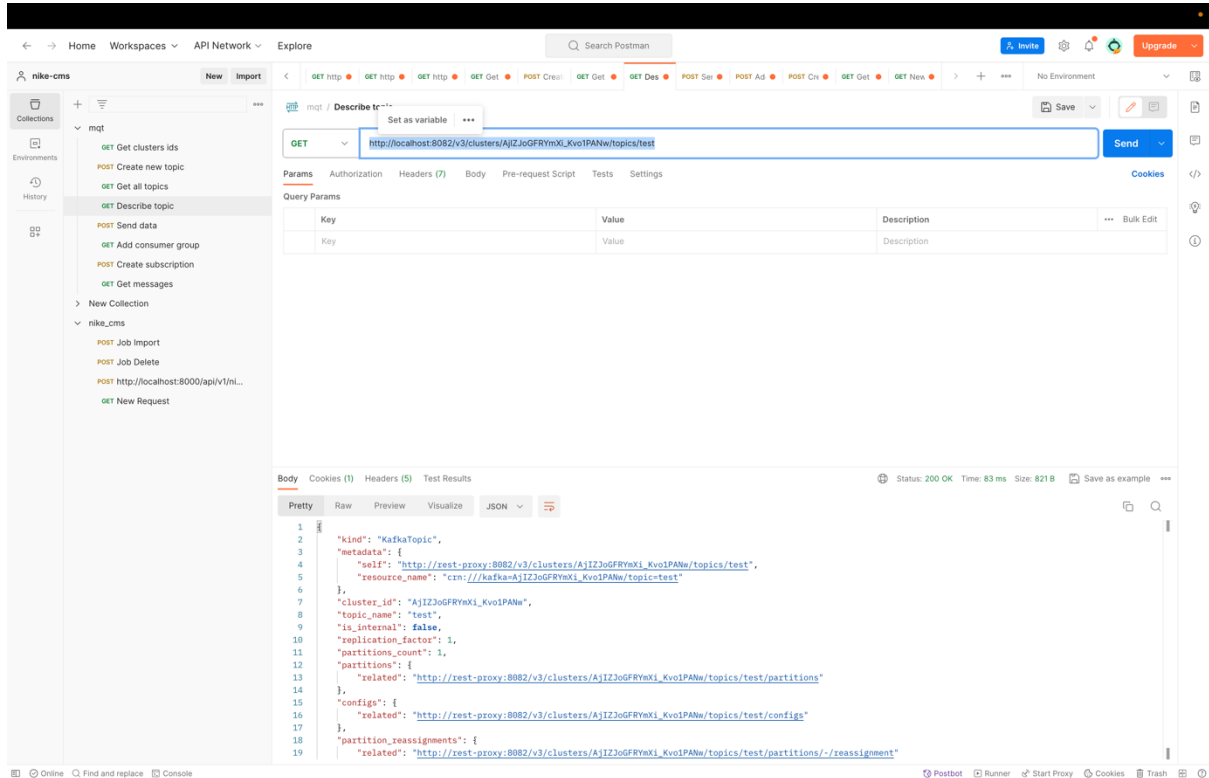
{
  "kind": "KafkaTopic",
  "metadata": {
    "self": "http://rest-proxy:8082/v3/clusters/AjIZJoGFRYmXi_Kvo1PANw/topics/test",
    "resource_name": "crn:///kafka=AjIZJoGFRYmXi_Kvo1PANw/topic=test"
  },
  "cluster_id": "AjIZJoGFRYmXi_Kvo1PANw",
  "topic_name": "test",
  "is_internal": false,
  "replication_factor": 1,
  "partitions_count": 1,
  "partitions": {
    "related": "http://rest-proxy:8082/v3/clusters/AjIZJoGFRYmXi_Kvo1PANw/topics/test/partitions"
  },
  "configs": {
    "related": "http://rest-proxy:8082/v3/clusters/AjIZJoGFRYmXi_Kvo1PANw/topics/test/configs"
  },
  "partition_reassignments": {

```

```

    "related": "http://rest-proxy:8082/v3/clusters/AjIZJoGFRYmXi_Kvo1PANw/topics/test/partitions/-/reassignment"
  }
}

```



7. Send data

Body --> raw --> JSON

```

{
  "key": { "type": "JSON", "data": "key1" },
  "value": { "type": "JSON", "data": "value1 Buna" }
}

```

Headers

key --> Content-Type value --> application/json

POST Request:

`http://localhost:8082/v3/clusters/AjIZJoGFRYmXi_Kvo1PANw/topics/test/records`

Result:

```

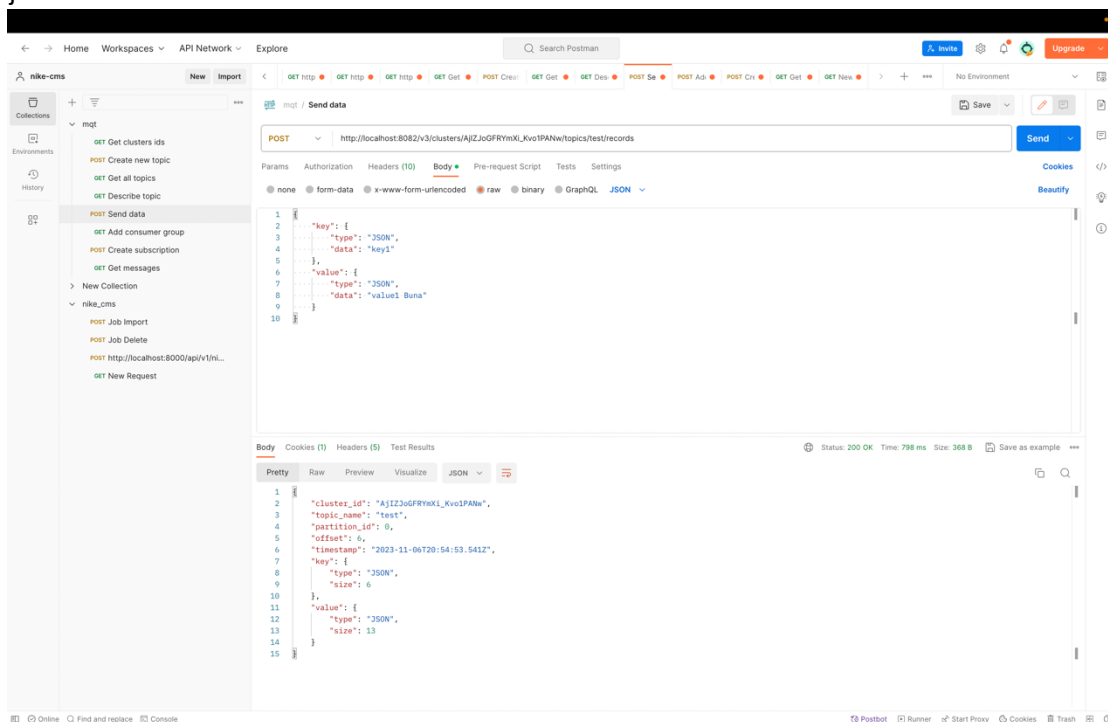
{
  "cluster_id": "AjIZJoGFRYmXi_Kvo1PANw",
  "topic_name": "curl_topic",
}

```

```

"partition_id": 0,
"offset": 0,
"timestamp": "2023-10-31T07:00:24.535Z",
"key": {
  "type": "JSON",
  "size": 6
},
"value": {
  "type": "JSON",
  "size": 13
}
}

```



8. Create a consumer group

Body --> raw --> JSON

```
{"name": "consumer1", "format": "json", "auto.offset.reset": "earliest"}
```

Headers

key --> Content-Type value --> application/vnd.kafka.v2+json

POST Request: `http://localhost:8082/consumers/HappyGroup`

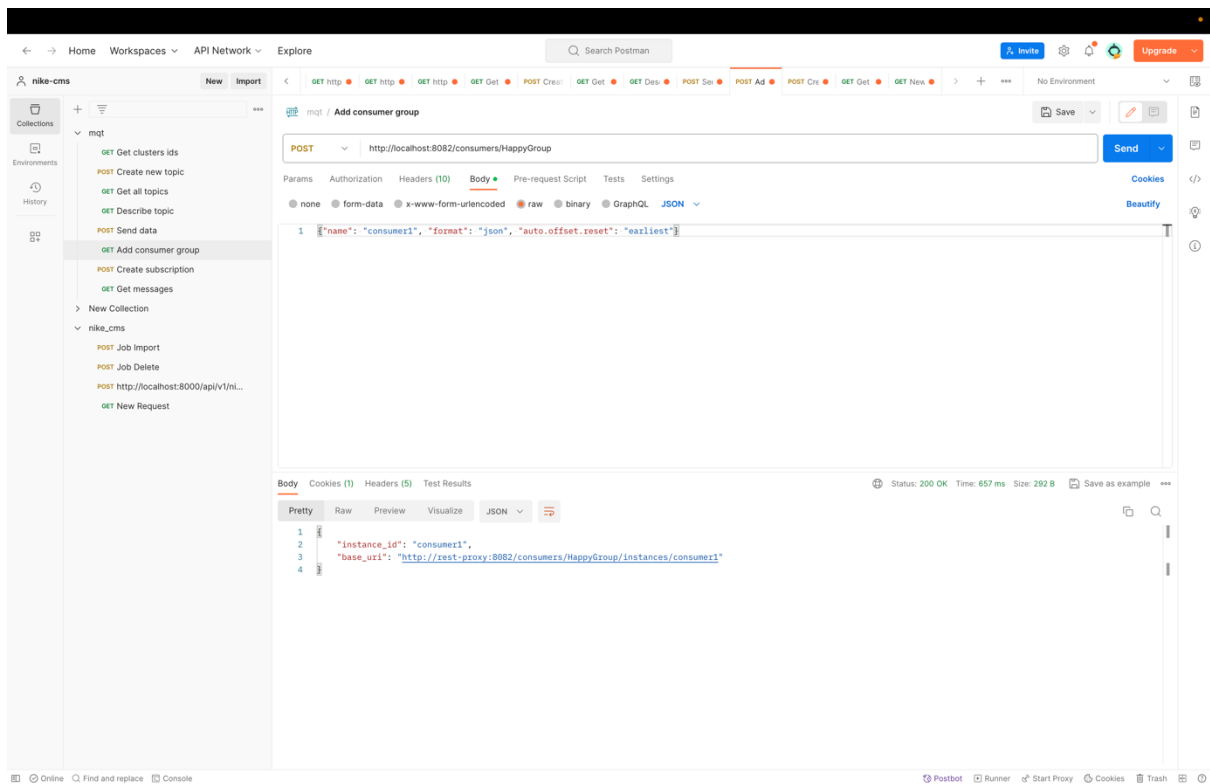
Response:

```

{
  "instance_id": "consumer1",
  "base_uri": "http://rest-proxy:8082/consumers/HappyGroup/instances/FirstConsumer"
}

```

}



9. Create subscription

Body --> raw --> JSON

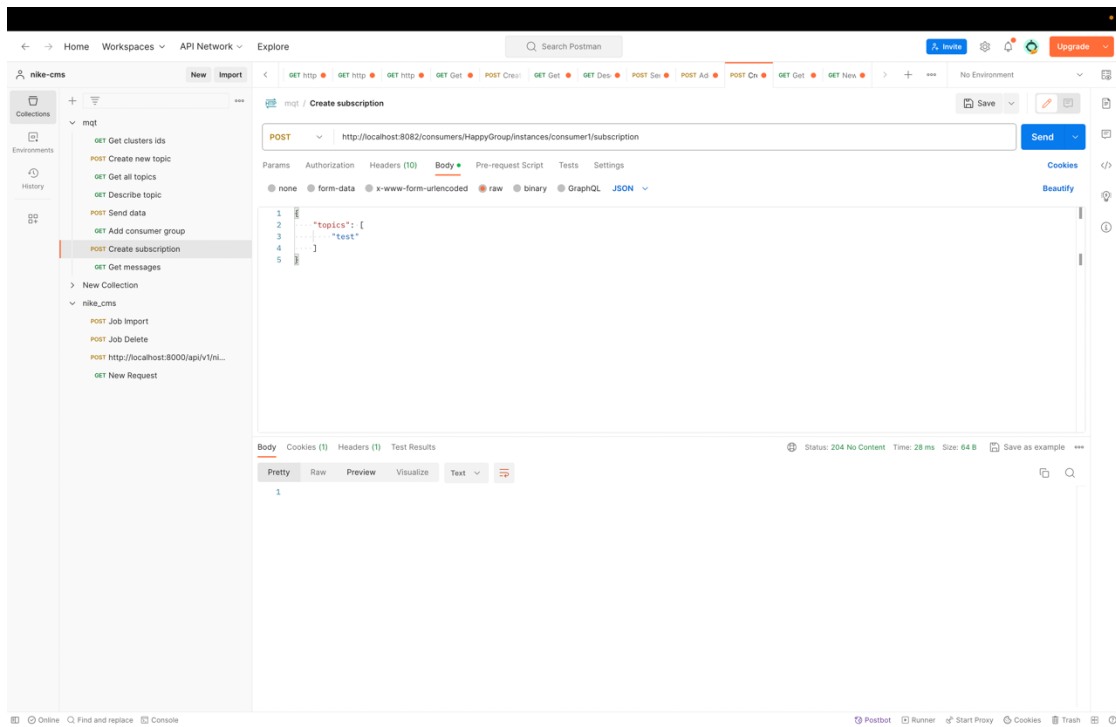
```
{"topics": ["postman_topic"]}
```

Headers

key --> Content-Type value --> application/vnd.kafka.v2+json

POST Request:

<http://localhost:8082/consumers/HappyGroup/instances/consumer1/subscription>



10. Get messages

Headers

key --> Content-Type value --> application/vnd.kafka.v2+json

key --> Accept --> application/vnd.kafka.json.v2+json

GET Request: <http://localhost:8082/consumers/HappyGroup/instances/consumer1/records>

← → Home Workspaces API Network Explore

Search Postman

Invite Upgrade

nike-cms

New Import

Collections

Environments

History

mqd

GET Get clusters ids

POST Create new topic

GET Get all topics

GET Describe topic

POST Send data

GET Add consumer group

POST Create subscription

GET Get messages

New Collection

nike_cms

POST Job Import

POST Job Delete

POST http://localhost:8000/api/v1/nl...

GET New Request

mqd / Get messages

GET http://localhost:8082/consumers/HappyGroup/instances/consumer1/records

Send

Save

cookies

Params Authorization Headers (9) Body Pre-request Script Tests Settings

Headers 7 hidden

Key	Value	Description	Bulk Edit	Presets
<input checked="" type="checkbox"/> Content-Type	application/vnd.kafka.v2+json			
<input checked="" type="checkbox"/> Accept	application/vnd.kafka.json.v2+json			
Key	Value	Description		

Body Cookies (1) Headers (5) Test Results

Status: 200 OK Time: 1043 ms Size: 502 B Save as example

Pretty Raw Preview Visualize JSON

```
1 {
2   "topic": "test",
3   "key": "key1",
4   "value": "value1 Buna",
5   "partition": 0,
6   "offset": 6
7 },
8 {
9   "topic": "test",
10  "key": "key1",
11  "value": "value1 Buna",
12  "partition": 0,
13  "offset": 7
14 },
15 {
16   "topic": "test",
17   "key": "key1",
18   "value": "value1 Buna",
19 }
```

Online Find and replace Console

Postbot Runner Start Proxy Cookies Trash