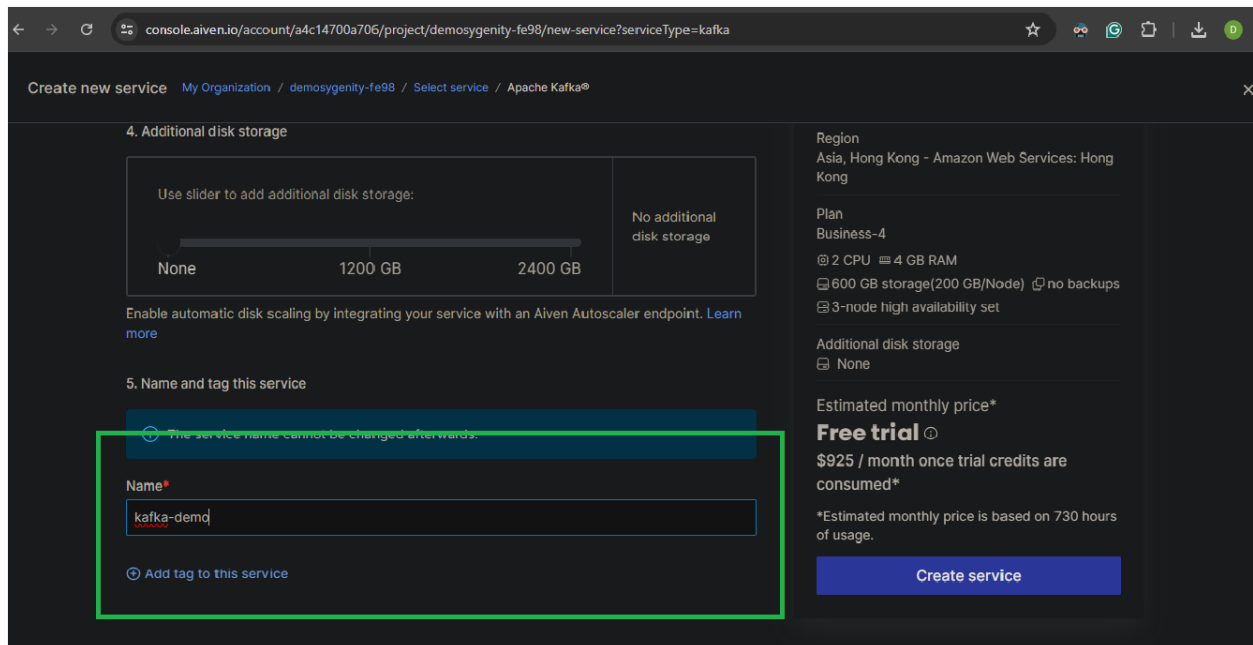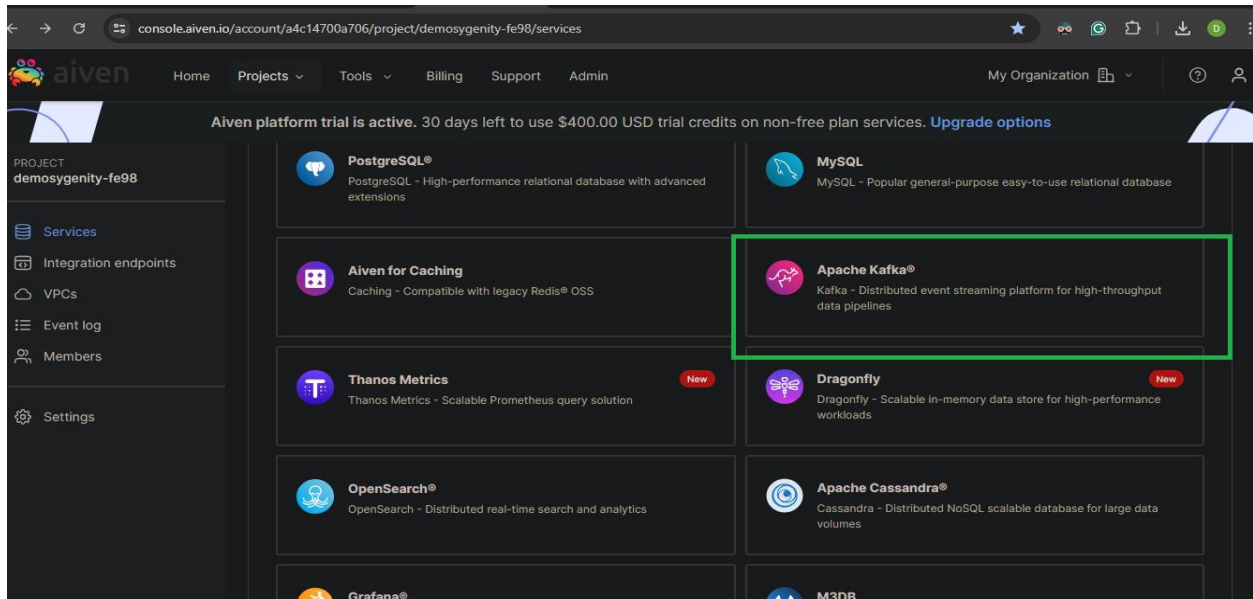# Kafka

https://console.aiven.io/account/a4c14700a706/project/demosygenity-fe98/services

aiven

DEPLOYMENT STATUS

Nodes

Rebuilding

Go to service overview

Service URI	kafka-demo-demosygenity-fe98.h.aivencloud.com:26596
Host	kafka-demo-demosygenity-fe98.h.aivencloud.com
Port	26596
Access key	Show
Access certificate	Show
CA certificate	Show

Instructions on how to connect to third party tools

- Use kcat with Aiven for Apache Kafka®

---

aiven   Home   Projects ⌄   Tools ⌄   Billing   Support   Admin   My Organization ⬚ ⌄   ?

Aiven platform trial is active. 30 days left to use $400.00 USD trial credits on non-free plan services. **Upgrade options**

My Organization / demosygenity-fe98 / kafka-demo / Overview

○ Overview

Integrations

Metrics

Logs

Users

ACL

Topics

Backups

Connectors

Schemas

Quotas

Service settings

kafka-demo

Apache Kafka 3.6.2   ⏱ EOL : 18 October 2024 : Upgrade available   ✓ Running   Nodes 3

··· Open support ticket

Get started with Aiven for Apache Kafka®

Set up, secure, and integrate your Aiven service with a step-by-step guide.

Get started   ✕

ⓘ A new version of Kafka is available. Your service will be automatically upgraded on 18 October 2024 to ensure it's up to date and secure. You also have the option to upgrade the service yourself any time before then.

See the documentation for more information on end of life for Aiven services.

⌄ **Connection information**   Quick connect

aiven   Home   Projects ⌄   Tools ⌄   Billing   Support   Admin

My Organization

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⌄ Service management

Upgrade

Enable Apache Kafka REST confirmation   ✕

Confirm enabling Apache Kafka REST API for kafka-demo
Apache Kafka REST allows you to read and write messages through a REST API. Note that Apache Kafka REST service will require some memory on the cluster lowering the amount available for use as a disk cache.

Cancel   **Enable**

- Overview
- Integrations
- Metrics
- Logs
- Users
- ACL
- Topics
- Backups
- Connectors
- Schemas
- Quotas

Apache Kafka REST API (Karapace) ⓘ   Disabled

Schema Registry (Karapace) ⓘ   Disabled

⚙ Service settings

⌄ Advanced configuration   Configure

---

aiven   Home   Projects ⌄   Tools ⌄   Billing   Support   Admin

My Organization

Advanced configuration   ✕

Note: Once saved, advanced configuration options can only be modified, not removed. Learn more

Before changing advanced configuration options, make sure you understand the impact, and prepare for a potential service restart after applying the changes.

- Overview
- Integrations
- Metrics
- Logs
- Users
- ACL
- Topics
- Backups
- Connectors
- Schemas
- Quotas

⊕ **Add configuration options**

kafka.auto_create_topics_enable New   Enabled 🔵 🗑
Enable auto creation of topics

kafka_authentication_methods.certificate In sync   Enabled 🔵
Enable certificate/SSL authentication

kafka_authentication_methods.sasl In sync   Disabled ⚪
Enable SASL authentication

Cancel   **Save configuration**

kafka_connect   Disabled

File   Home   Share   View

This PC > Documents > Kafka-demo

Search Kafka-demo

Name	Date modified	Type	Size
.venv	25-06-2024 16:30	File folder	
ca.pem	25-06-2024 16:56	PEM File	2 KB
main	25-06-2024 16:37	Python File	1 KB
service.cert	25-06-2024 16:56	CERT File	2 KB
service.key	25-06-2024 16:56	KEY File	3 KB

Quick access
OneDrive
This PC
3D Objects
Desktop
Documents
Downloads
Music
Pictures
Videos
Local Disk (C:)
Aeldra (M:)
Achala Information
Network
Linux

EXPLORER
KAFKA-DEMO
> .venv
  ca.pem
  main.py
  service.cert
  service.key

main.py

main.py > ...

```python
import json

from confluent_kafka import SerializingProducer

import logging

logging.basicConfig(level=logging.DEBUG)

# Define a function to serialize the message to be sent to the Kafka topic
def json_serializer(msg, s_obj):
    return json.dumps(msg).encode('ascii')

# Define the configuration for the Kafka producer and create the producer object
conf = {
    'bootstrap.servers':"kafka-demo-demosygenity-fe98.h.aivencloud.com:26596",
    'client.id': 'avnadmin',
    'security.protocol': 'SSL',
    'ssl.ca.location': './ca.pem',
    'ssl.certificate.location': './service.cert',
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS   COMMENTS

powershell

PS C:\Users\cenimeni\Documents\Kafka-demo> pip install confluent-kafka

Aiven platform trial is active. 29 days left to use $400.00 USD trial credits on non-free plan services. **Upgrade options**

🔙 Back to project

🔴 kafka-demo   📦 Apache Kafka 3.6.2   ⏱ EOL : 18 October 2024 : Upgrade available   ⊘ Running   📦 Nodes 🟢   ⋯

⊘ Overview	My Organization / demosygenity-te98 / kafka-demo / Topics
⬚ Integrations	**Topics** Create topic
📊 Metrics	
≡ Logs	📣 Explore a detailed overview of the topic resources with our new Topic catalog. Open Topic catalog ✕
👥 Users	
🔑 ACL	🔍 Search by name and tags... ⚙ Filter list
🔀 Topics	
📦 Backups	

Topic	Partitions	Replication	Min. Insync Replicas	Retention Hours	Retention bytes	Cleanup Policy	Status	Ac
pizzas	1	2	1	168 hours	unlimited	delete	Active	

Items per page 10 ▾ |< < Page 1 of 1 > >|

⊸ Connectors	
🔧 Schemas	
◈ Quotas	
⚙ Service settings	

```
● PS C:\Users\cenimeni\Documents\Kafka-demo> python3 main.py
● o> python3 main.py                o> python3 -m pip install Faker
  PS C:\Users\cenimeni\Documents\Kafka-dem
  o> python3 -m pip install Faker
  Collecting Faker
    Downloading Faker-25.9.2-py3-none-any.
  whl.metadata (15 kB)
  Collecting python-dateutil>=2.4 (from Fa
  ker)
    Downloading python_dateutil-2.9.0.post
  0-py2.py3-none-any.whl.metadata (8.4 kB)
```

Messages 1-10 of 10 · Page 1   < >   ≡ ≡ ≡

Meta	Key	Value

{"id":99,"ingredients":["improve","reveal","rule"],"name":"camera","pizza":"camera","price":35.38,"sauce":"boy","vegetarian":true}

OFFSET:
+9

PARTITION:
0

({"id":99})

> { ... } 1 items

```
⌄ {
    id: 99,
    ingredients: > [ ... ] 3 items
    name: "camera",
    pizza: "camera",
    price: 35.38,
    sauce: "boy",
    vegetarian: true
}
```

{"id":86,"ingredients":["economic","leg","be"],"name":"tell","pizza":"tell","price":91.52,"sauce":"under","vegetarian":false}

OFFSET:
+8

PARTITION:
0

({"id":86})

⌄ {
  | id: 86
}

```
⌄ {
    id: 86,
    ingredients: > [ ... ] 3 items
    name: "tell",
    pizza: "tell",
    price: 91.52,
    sauce: "under",
    vegetarian: false
```