# MinIO Data Search (Backend)

## Guide to run the code:

- 1. Clone from -> https://github.com/Shaon96/Celeron
- 2. Make sure you have 'docker' and 'docker-compose' commands installed.
- 3. On the main branch from the ./Celeron directory run ->

### docker-compose up -d

This will start the MinIO. RabbitMQ and ElasticSearch servers

#### 4. Start the Event Receiver

a. Under the directory -> ./EventReceiver, create a file called .env with the following content:

```
RM_QUEUE=my-queue
RM_HOST=localhost
RM_PORT=5672
RM_USERNAME=guest
RM_PASSWORD=guest
ELASTICSEARCH HOST=localhost:9200
```

b. Follow the steps from step 2 in the readme.md under the ./EventReceiver

#### 5. Upload the datasets to MinIO and index them on elasticsearch.

a. Under the directory -> ./FileUploader, create a file called .env with the following content:

```
MINIO_ENDPOINT=localhost:9000
MINIO_ACCESS_KEY=minio
MINIO_SECRET_KEY=miniostorage
RM_QUEUE=my-queue
RM_HOST=localhost
RM_PORT=5672
RM_USERNAME=guest
RM_PASSWORD=guest
ELASTICSEARCH_HOST= localhost:9200
```

- b. Follow the steps from step 2 in the ReadMe.md under the ./FileUploader
- c. Sample commands to upload and index the datasets:

```
python3 file_uploader.py --dir_path Covid19-dataset 
python3 file_uploader.py --dir_path OralDB
```

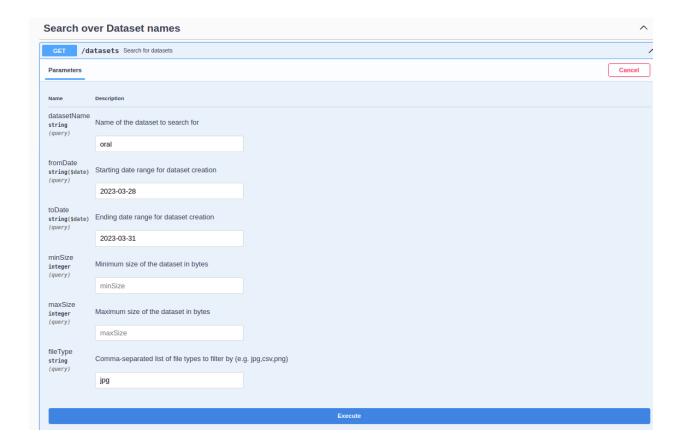
#### 6. Start the File Searcher server.

a. Under the directory -> ./FileSearcher, create a file called .env with the following content:

ELASTICSEARCH\_HOST = localhost:9200 SERVER\_IP=localhost SERVER\_PORT=3000

- b. Follow the steps from step 2 in the ReadMe.md under the ./FileSearcher
- c. Sample commands to
- 7. Go to localhost:3000/api-docs to access the swagger page of the api.
- 8. Sample requests on the Swagger page:

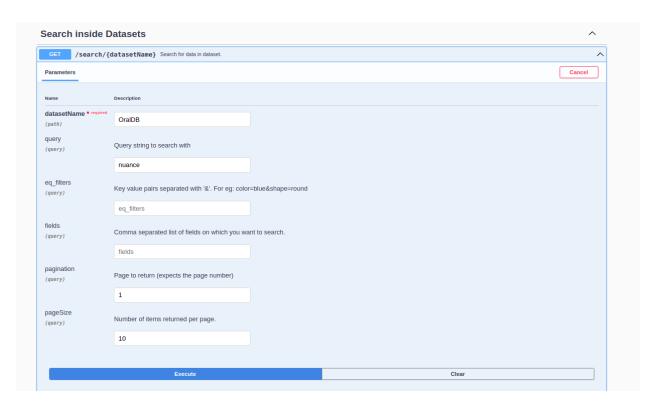
Sample request 1:



# Sample response 1:



## Sample request 2:



### Sample response 2: