Borneo Coding Assessment

Design and build an application that is capable of searching for content within documents stored in MinIO.

Objectives:

1. Implement the solution as described below. Do your best to reflect your design and coding ability. You can use github to share the solution.
2. Demo your application during the interview.
3. Optional: Write a Product Requirement Doc (PRD) / RFC for the above problem. You can use any format you are familiar with.

In this coding assessment, you will develop a basic search service for data stored in MinIO.

As part of this exercise, you will need to complete the following tasks.

1. Establish a connection with MinIO to access recently added data in near real-time. MinIO is a High-Performance Object Storage system.

2. You can assume that the files will be in .txt/.log format. Create a few .txt files with some content for your demonstration. (Optional: You can also have files that are in either .pdf or .docx format. Extract the text content from the files using a library like Apache Tika: https://tika.apache.org/.)

3. Index the content within the files to provide full-text search capabilities. You can for example use Elasticsearch for this: https://github.com/elastic/elasticsearch#readme.

4. You will provide an API that takes a search term/token as input and returns a list of files and their respective paths in MinIO, e.g.

```
curl https://<search-service-host>/search?q=”@gmail.com”
```

Please keep these considerations in mind as you go about solving the problem:

1. You are free to choose any tool/framework of your choice.
2. You can refer to and copy code samples on the web, but you should be able to explain your solution.
3. We expect a working solution and high-quality code.
4. You may refer to this docker-compose.yaml file to easily set up your test env.
5. Please feel free to reach out to us via email if you need more clarification on solving the challenge.