Overview

This Node.js code provides an example of using the Azure Text Analytics API to analyze the sentiment of a sentence. It can be used by anyone who has access to a Text Analytics API endpoint and key.

Dependencies

This code requires the following libraries to be installed:

- @azure/ai-text-analytics: To use the Text Analytics API
- express: To create the server and handle incoming requests
- dotenv: To load environment variables from a .env file

Configuration

Before running the code, make sure to configure the endpoint and key variables with your own endpoint and key obtained from Azure portal or environment variables.

```
// Add endpoint and key

const endpoint = process.env.ENDPOINT;
const key = process.env.KEY;

// Create a new TextAnalyticsClient object using the endpoint and key
const client = new TextAnalyticsClient(endpoint, new AzureKeyCredential(key));
```

Usage

The code sets up an Express app that listens for incoming POST requests to the /sentiment endpoint. The body of the request must include a sentence parameter with a string value.

Upon receiving a valid request, the server extracts the sentence parameter and passes it to the client.analyzeSentiment() method to get the sentiment analysis result. The result is then sent back as a JSON object with the input sentence, sentimentResult and sentimentScores.

If there's any error, the server will return a JSON object with an error message.

Running the Code

To run the code, save it to a file (e.g. app.js), install the dependencies, and start the server with the following commands:

1. npm install
2. node app.js

Note : Make sure to set the ENDPOINT and KEY environment variables or put them in a .env file in the root directory of the project.