#### **Overview**

This API provides sentiment analysis functionality that can analyze the sentiment of a given sentence. The API uses the Text Analytics service provided by Microsoft Azure.

Usage

To use the API, you need to send a POST request to the "/sentiment" endpoint with a JSON payload containing the sentence you want to analyze. The API will then return the sentiment analysis results in JSON format.

### Steps to use API in Postman

- 1. Open Postman and create a new request.
- 2. In the request URL field, enter the URL for the endpoint you want to hit, including the endpoint path /sentiment. For example, http://157.230.80.79:3001/sentiment
- 3. Set the HTTP method to POST.
- 4. In the request body tab, select raw and set the data type to JSON.
- 5. In the JSON body, add a sentence field with the sentence you want to analyze for sentiment. For example

# **Example request**

```
json

{
    "sentence": "I love this product!"
}
```

# **Example response**

```
copy code

{
    "input": "I love this product!",
    "sentimentResult": "positive",
    "sentimentScores": {
        "positive": 0.96,
        "negative": 0.0,
        "neutral": 0.04,
        "mixed": 0.0
}
```

# Request

#### **Endpoint**

POST /sentiment

#### **Request body**

The request body should be a JSON object with the following fields:

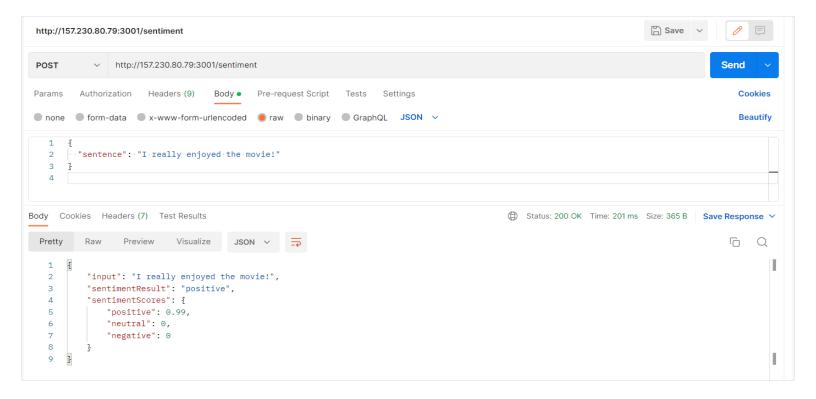
Field	Туре	Required	Description
sentence	string	yes	The sentence to be analyzed for sentiment

# Response

#### **Response body**

The response body is a JSON object with the following fields:

Field	Туре	Description
input	string	The original sentence that was analyzed
sentimentResult	string	The sentiment of the sentence. Possible values are: "positive", "neutral", and "negative"
sentimentScores	object	An object containing the confidence scores for each sentiment category. Each score is a float value between 0 and 1. Possible keys are: "positive", "negative", and "neutral"



# **Error handling**

If there is an error processing the request, the API will return an HTTP 400 status code along with an error message in the response body. Possible error messages are:

Error message	Description	
Missing 'sentence' parameter	The 'sentence' parameter is missing from the request	

# **Conclusion**

This API provides sentiment analysis functionality that can analyze the sentiment of a given sentence. The API can be used by sending a POST request to the "/sentiment" endpoint with a JSON payload containing the sentence you want to analyze. The API returns the sentiment analysis results in JSON format.