

API Documentation - Languru

Overview

We use a Rapid API for our mobile application. This API allows us to generate a pronunciation assessment after the user records their voice in English.

Pronunciation API supports only WAV, MP3, M4a, OGG.

API Limit

The maximum audio length is 50 seconds. In order to assess the accuracy of the voice record, the audio length recommended is not to exceed 20 seconds.

Authentication requirement

API key

```
X-RapidAPI-Key': '5623000057mshd4b67eaccabf3f7p1b2ec9jsn33578c2e2c23'
```

Input

Example input

Request type: POST

Code Snipe:

```
import axios from 'axios';

const options = {
  method: 'POST',
  url:
'https://pronunciation-assessment1.p.rapidapi.com/pronunciation'
,
  headers: {
    'content-type': 'application/json',
    'X-RapidAPI-Key':
'5623000057mshd4b67eaccabf3f7p1b2ec9jsn33578c2e2c23',
    'X-RapidAPI-Host':
'pronunciation-assessment1.p.rapidapi.com'
```

```

},
data: {
{
  "audio_base64":
"UklGRmBLAgBXQVZFZm10IBAAAAABAAEAgD4AAAB9AAACABAAZGF0YTxLAQABAP7
/AgD+/wIA//8BAP7/AgD+/wIA//8AAAEA/v8CAP7/AgD+/wMA/P8FAPr/BgD7/wQ
A/f8CAP7/AgD+/wEAAQD+/wEAAAAAAAAAAQD9/wQA/f8CAP7/AgD+/wMA/f8CAP/
/AAABAP//AgD8/wUA/P8DAP7/AQD+/wIA/v8BAP//AAD//wIA//8CAAAAQACAAA
AAwD//wMA/v8DAPz/AgD9//7////8////v/9////////+/wMA/v8NABYAEQASAA8
ACgAJAAoACwAJAA4ABwAMAAcABQAIAAIACAACAAUAAgAAAP7/BwAcABIAEgAMAAc
AAwACAAUAAwAGAAYAAwAGAAEAAgADAAAAAwABAP7/AAD4//7/9f/8//X/9f/1//D
/8//u//H/7v/t/+7/7f/u//D/7f/x/+z/8f/s//L/7P/w/+3/8f/u//P/8f/3//D
/+v/y//r/9f/3//v/+f/8//v/+//7//7//P/////////8AAP7/AgD//wQA/v8EAAI
ABAAGAAQABgADAAUAAwAFAAIABQAFAYACAHAHAoACQAGAAoABQAJAAYACAHAAC
ACAHAAYABwAIAAcACAAIAAcACwAFAAkABgAGAAMABAABAAQABAABAAYAAQAGAAE
ABQD9/wUA/P8EAP//AwD//wMAAQACAAEAAQABAAMAAAACAAAAAABAAEAAAACAAM
AAQAEAP7/BQABAAEAAwABAAMAAQADAAAAAwD8/wMA/P8AAP7//v/+////f/9//7
/+v/+//n//P/6//3/9v/8//X/+v/4//r/+f/5//n/+f/3//n/9DAP//BQD9/wMA/
/8DAAAAAgD/////////9/wEA/f/+//7//P/+//z//v8AAP7/AgD9/wEA/v/+//3//
v/9/wAA+/8AAPv////8/wAA/f/////7/AQAAAAA///9//z//v/7//3//v/6//z/+
P/7//j//f/8//3//v/8////+v/+//n//v/5/wEA+P8BAPf////4/wEA+v8BAPr/A
AD8////////f/+//3/////////z/AgD8/wMA/P8FAPv/BwD9/wUAAQABAAQAAAAAGAAAAB
QADAAQABQADAAUABQAEAAcABAAGAAQABwAEAAgAAwAIAAUABwAHAAQACAACAAgAA
wAIAAQABwABAAcAAAAHAAEABQAEAAQAAwAEAAEABAAAAAQAAAABAA==",
  "audio_format": "wav",
  "text": "apples"
}
}

```

Output

Status: 200 - response successful. The API will return result after assess voice audio

```
label:"apples"
```

```

label:"AE"
label_ipa:"æ"
confidence:67
score:94
error:false

```

```

label:"AE"
label_ipa:"æ"
confidence:67
label:"EY"
label_ipa:"eI"

```

```
confidence:2  
label:" "  
label_ipa:" "  
confidence:2
```

The API output is a JSON object including:

`score`: The total score of the audio record.

`words`: Contains the list of words in the expected content, each word object contains.

- `word.label`: The label assigned to the specific word.
- `word.score`: Pronunciation score at the word level.
- `word.syllables`: A list of syllables within the word, with each syllable object containing:
 - `syllable.label`: CMU label for the syllable.
 - `syllable.label_ipa`: IPA label for the syllable.
 - `syllable.score`: Pronunciation score at the syllable level.
 - `syllable.phones`: A list of phonemes within the syllable.

Additionally, the `word.phones` section contains details about phonemes within the word, where each phone object includes:

- `phone.label`: The CMU label for the phoneme (CMU phonemes list reference available).
- `phone.label_ipa`: The IPA label for the phoneme (IPA phone set reference available).
- `phone.score`: A numeric pronunciation score, rated out of 100, for the specific phoneme.