

Software Documentation: Name-Address Extractor

Software Name: Name-Address Extractor

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Introduction

Summary

The Name-Address Extractor API provides a powerful NLP-based solution to extract structured information from unstructured text inputs. The app takes a text string, such as a company's address or a description, and returns a structured JSON object containing parsed information like name, address, city, country, and more.

Features

- Text input processing with advanced NLP models.

- Extraction of key entities such as name, address, city, country, etc.
- JSON output with detailed, structured data.
- Error handling and validation flags for data accuracy.

Use Cases

This app is ideal for businesses looking to automate text processing and extraction tasks, such as address parsing, data entry automation, and more. It can be used in scenarios where there is a need to quickly convert unstructured text into a standardized format.

Usage

Input Format

The function expects a plain text input containing address information or other unstructured text. Example input:

```
1  MINERVA S/A - AV MANUEL DE ABREU, 4455 VILA SEDENHO - ARARAQUARA  
   - SÃO PAULO - BRASIL - SIF 2240
```

Output Format

The function returns a JSON object with the extracted information. Example output:

```
1  [  
2    {  
3      "name": "MINERVA S/A",  
4      "address": "- AV MANUEL DE ABREU , 4455 VILA SEDENHO -  
   ARARAQUARA - SÃO PAULO - BRASIL -",  
5      "postcode": "",  
6      "lineone": "AV MANUEL DE ABREU 4455",  
7      "linetwo": "",  
8      "linethree": "",  
9      "linefour": "",  
10     "linefive": "",
```

```
11     "cityid": "",
12     "cityname": "ARARAQUARA",
13     "citysubdivisionname": "VILA SEDENHO",
14     "countryid": "BR",
15     "countryname": "BRASIL",
16     "countrysubdivisionid": "",
17     "countrysubdivisionname": "SÃO PAULO",
18     "contact": "",
19     "FLAG": '{"needHinTL': True, 'layers': {'cep format': False},
    'warning': 'POSTCODE Format Error'}",
20     "meta": {
21         "country": "BRAZIL",
22         "country_prob": 0.9582542777061462
23     }
24 }
25 ]
```

Error Handling and Flags

- The `FLAG` field in the JSON response provides warnings or error messages related to data processing, such as "POSTCODE Format Error."

Support and Troubleshooting

For support, please contact ariel.morais@pirus.com.br or visit our support page at pirus.com.br

Additional Resources

- [Azure Function Documentation](#)

