

Language Detection Package

(A360 Custom Package)

Release 1.0

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Contents

1	Introduction	2
1.1	Overview.....	2
1.2	Features	2
2	Bot Execution & Command Parameters	3
3	Support	5

1 Introduction

1.1 Overview

- The Language Detection package helps detect language based on the document/text passed.
- This is a Custom Package and does not require dependencies like Python/OCR setup.
- It supports digital and scanned pdfs, image files, word files and text files.
- Tesseract OCR is included along with the package and no setup is necessary to use the Bot.
- Takes in the File path as input and returns a DataTable with Detected Languages in decreasing order of confidence.
- The package will be useful as pre-processing for Document Automation when multiple instances with different languages are present. The package will help RPA decide to which instance to pass a particular document.

1.2 Features

1. 75 languages supported
2. In case of multiple language documents, the package returns a list of languages along with confidence score.
3. For single language documents the language will be value in the first row of the DataTable
4. On-Prem OCR is included as a dependency and no setup is required
5. Following extensions supported pdf,dcx,txt,png,jpg,tif,png
6. No LLM/cloud services used and data remains within the device
7. No installation or license required
8. User can choose to detect from “All Languages” or limit the number of languages to a User Provided list to improve speed and accuracy.

2 Bot Execution & Command Parameters

1. Detect Language From File

- Input File Path: Provide the file path of the file whose language has to be detected
- Language Options:
 Select the “All Languages” Radio Button if the document can be of any language.
 Select the “Provided List” option if document can be one of several known languages.
 Eg. If the customer deals with 8 different languages and it can’t be a language other than one of these.

List of Languages

☒ List ☐ Variable

▼ Entry ↑ ↓ ✕

Type

String

Value at 0

Spanish (x)

▼ Entry ↑ ↓ ✕

Type

String

Value at 1

French (x)

▼ Entry ↑ ↓ ✕

Type

String

Value at 0

German (x)

Selecting the “Provided List” options makes the Bot faster and more accurate.

- Languages Detected(output)- Returns a Data Table with the languages detected and the confidence score in descending order of confidence.
 When the document has a single language, the detected language is present in the “Language” column of first row of the data table.
 When the document has multiple languages, all the detected languages and their confidence scores are returned in the “Language” and “Confidence” columns respectively.

Detect Language From File

Detect language from Files with extension pdf,txt,docx,jpg,tif,png

Input File Path (following extensions supported: pdf,txt,docx,jpg,tif,png)

Variable Control Room file Desktop file

” \$sFilePath\$

(x)

Browse...

Language Options

☒ All Languages

☐ Provided List

List of Languages

List

Variable

Required

Languages Detected (use labels "Language" and "Confidence")

tDetectedLanguages

(x) +

2. Detect Language From String

- Input Text- provide the string whose Language has to be detected
- Language Options:
Select the “All Languages” Radio Button if the document can be of any language.
Select the “Provided List” option if document can be one of several known languages.
The same input as provided to the “Detect Language From File” command
- Languages Detected(output)- Returns a Data Table with the languages detected and the confidence score in descending order of confidence. The same format as returned in the “Detect Language From File” command

Detect Language From String

Detect Source Language From a Given String

Input Text

” Wie hoch ist das Krankenhaus von hier aus? (x)

Language Options

☒ All Languages

☐ Provided List

List of Languages

List Variable

Required

Languages Detected (use labels "Language" and "Confidence")

tDetectedLanguages (x)

3 Support

Free bots are not officially supported. You can get access to Community Support through the following channels:

- You can get access to Community Support, connecting with other Automation Anywhere customers and developers on [APeople](#) – the [Bot Building Forum](#), the [Bot Store Support Forum](#), or the [Developers Everywhere Group](#).
- Automation Anywhere also provides a [Product Documentation portal](#) which can be accessed for more information about our products and guidance on [Enterprise A2019](#)