Detect & Translate Language and Get Word & Character Count

Readme

Version 1.1

11/12/209

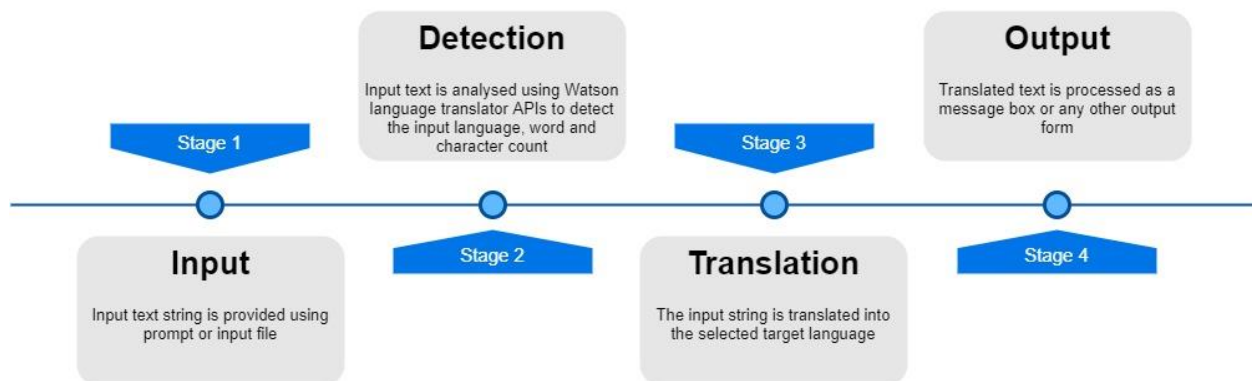# Table of Contents

1. Introduction

This document contains all essential information for the user to make full use of the Bot or Digital worker. This manual includes a description of the functions and capabilities and step-by-step procedures for setup & configuration of the Bot.

1.1 Overview

This bot uses IBM Watson translator API integration with Automation Anywhere to detect text in up-to 70 different languages and translate input text into any of the 70 supported languages. It also provides a word and character count of the input text and can be used as a standalone feature.

1.2 Common Use cases

Some of the common use cases for the bot is listed but not limited to the following:

- Digital assistant/ on demand translator
- Multiple language input use cases
- Email processing in multiple languages
- On demand bot for word and character count
- Translate bulk list of strings into any of the supported languages

2. Requirements & Prerequisites

2.1 System Requirements

- Standard automation anywhere client requirement as listed [here](#)

2.2 Prerequisites

- Automation anywhere client v11 or higher
- IBM Cloud account with Watson language translator service API

2.3 Security Measures

- If on an isolated or secured network, Watson API URIs might need to be whitelisted

2.4 Disclaimers

- Please ensure you request a Valid API key and check the URI based on allocation on Watson Services Page

3.   Getting Started

3.1   Skill Matrix

- All tasks are performed by single atmx file

3.2   Installation Hierarchy

Once the bot is downloaded and installed, the installer creates the files in the folder structure

as shown below

Folder Structure	Description

<u>\<AA Application Path\></u>
1.   My Tasks
1.1.   Bot Store
1.1.1.   Detect Language & Translate - Let's Automate
 ✓   Error Folder
   ➢   Logs
     •   Error logs Month-Day-Year Hour Min Sec.txt
 	
   ➢   Snapshots
     •   Error Snap Month-Day-Year.png
 	
 ✓   Input Folder
   ➢   Input.xlsx
   ➢   Language Reference Sheet.xlsx
 	
 ✓   My Tasks
   ➢   Detect Language & Translate - Let's Automate.atmx
	<u>\<AA Application Path\></u> is the location where AA files are stored on your machine
	
	1. My Tasks
	
	My Task Folder is the default directory where Bot Files are saved.
	
	1.1 Bot Store
	
	Bot Store Folder contains the Bot Name
	
	Folder which the installer creates while
	
	installation of the Bot.
	
	1.1.1 Detect Language & Translate - Let's Automate
	
	This folder gets created by the installer and
	
	contains files and folders needed for the bot execution.
	
	 ➢ **Error folder** is where logs and snapshots of screens will be placed if an error occurs during execution
	 ➢ **Input Folder** is where the input files that the bot needs for execution of the use case is saved
	   • Input.xlsx provides an example of the type of content that can be provided as an input to the bot
	   • Language Reference Sheet.xls provides the list of languages supported and their identifiers
	
	• **My Tasks** folder contains all the Developed Platform Source Code

3.3   Quick Start

3.3.1   Setup

Steps to sign up for IBM Watson Language Translator:

1. If you don't have an IBM cloud ID, you can register one here

Already have an IBM Cloud account? Log in

Create a free account

Join us in the cloud and start building today.

Email   ✓

letsautomate@outlook.com

First Name   ✓

Azhar

Last Name   ✓

Hossain

Country or Region   ✓

India

Password   ✓

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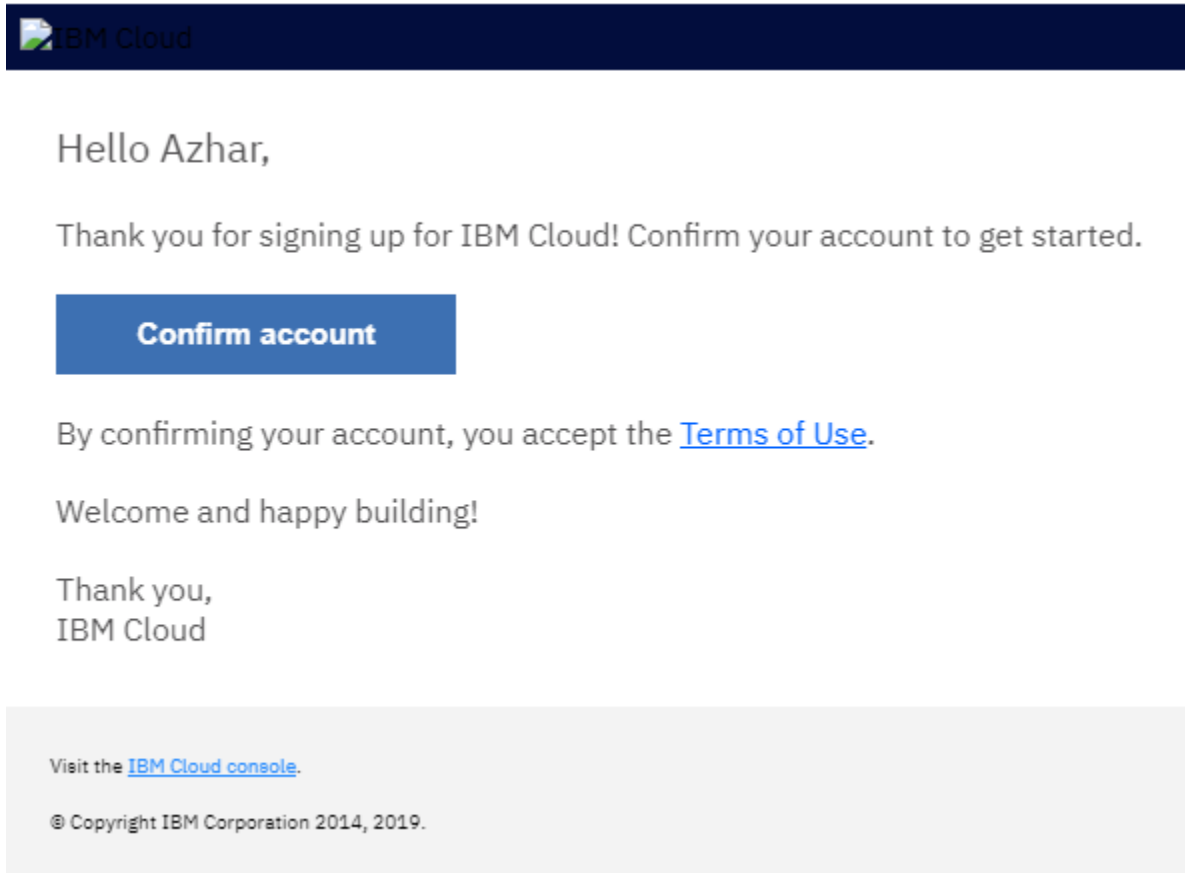☐ by email.   ☐ by telephone.

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I accept the product Terms and Conditions of this registration form.

Create Account

2. Confirm your account using the email received from IBM Cloud <no-reply@cloud.ibm.com>

Hello Azhar,

Thank you for signing up for IBM Cloud! Confirm your account to get started.

Confirm account

By confirming your account, you accept the Terms of Use.

Welcome and happy building!

Thank you,
IBM Cloud

Visit the IBM Cloud console.

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3. Once your account is confirmed, Login and accept the privacy statement by clicking on proceed

Acknowledgement

I acknowledge that I understand how IBM is using my Basic Personal Data and I am at least 16 years of age.

Proceed   Cancel Sign In

4. You can now browse to https://cloud.ibm.com/catalog/services/language-translator and create a lite / free instance of Watson language translator

5. Once you've created your instance, you'll be directed to your main screen. Select 'Service Credentials' on the navigation bar

6. Then, Select 'View Credentials'

7. Copy the values for 'apikey' and 'url'

```
{
  "apikey": "0sXDe7LbyUUMWYZpN50bb6KQJgMK58tsLWQ45Uoflt02",
  "iam_apikey_description": "Auto-generated for key 0b5ffc9e-672c-4090-b3db-b6bd30b2bf90",
  "iam_apikey_name": "Auto-generated service credentials",
  "iam_role_crn": "crn:v1:bluemix:public:iam:::serviceRole:Manager",
  "iam_serviceid_crn": "crn:v1:bluemix:public:iam-identity::a/7ac61c2e64f84eb3a4dafe92c0088d6a::serviceid:ServiceId-98a51171-d129-4d5c-9328-3bc0d2173c74",
  "url": "https://gateway-lon.watsonplatform.net/language-translator/api"
}
```

8. Update the entries in the respective variables in the task bot

> Comment: ### This is a temporary API Key which will expire by end of 2019 ###
>
> $ Variable Operation: 0sXDe7LbyUUMWYZpN50bb6KQJgMK58tsLWQ45Uoflt02 To $vAPIkey$
>
> $ Variable Operation: https://gateway-lon.watsonplatform.net/language-translator/api To $vURL$

3.3.2 Configuration

Input variable to be setup by the user

Variable Name	Type	Mandatory	Purpose	Example Input
vAPIKey	String	Yes	The API key is used to authenticate Watson translator API	0sXDe7LbyUUMWYZ pN50bb6KQJgMK58t sLWQ45Uoflt02
vURL	Link	Yes	The URL is the main section of the API URI which will be allocated once a user signs up using instructions in section 3.3.1	https://gateway-lon.watsonplatform.net/ language-translator/api

4. Reports

5. Logs

6. Troubleshooting & Support

6.1 Support

Free bots are currently not supported directly

Questions on Bot Functionality or Feature can also be posted to our Community site A-people

Automation Anywhere provides a Product Documentation portal which can be accessed for more information about AA's products and guidance on building bots and Digital Workers.

The "Build" section of the portal includes these sections:
- Getting Started - information on building bots recommended practices (including use of the Credential Vault)
- Build Advanced Bots - details on MetaBots and the approach to integrating code into them
- Build Digital Workers - high level architecture

6.2 FAQs

6.3 Appendix A: Record of Changes

No.	Version Number	Date of Change	Author	Notes
1	1	11th Dec '19	Azhar Hossain	Version 1

6.4 Appendix B: Acronyms

No.	Acronym	Description
1	AA	Automation Anywhere
2	API	Application Programming Interface

3	CSV	Comma Separated Value
4	URL	Watson Instance URL

6.5   Appendix C: References

No.	Topic	Reference Link
1	Getting Started with Watson language translator	Click here
2	System Requirements - Client	Click here
3	System Requirements – Control Room	Click here
4	A-people Community Site	Click here
5	Product Documentation portal	Click here