

A2019 - Visual Recognition Using IBM Watson

README



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1. Introduction

This document contains all essential information for the user to make full use of this A2019 – Visual Recognition Using IBM Watson. It includes a description of the functions and capabilities and step-by-step procedures for setup & configuration of the A2019 – Visual Recognition Using IBM Watson

Overview

- This Bot automatically creating Approot "C:\Automation A2019\Bots\"
- This Bot will analyze images for scenes, objects, and other contents
- The Bot will open the python script and executing python functions for IBM Visual Recognition-k5 api
- Visual Inspection enables reliability and quality to identify and detects visual details into app root folder
- This bot will detecting general objects and visual details

The key use cases include:

1. quality identify and defects visual details Using IBM Watson



Requirements & Pre-requisites

1.1 System Requirements

Enterprise A2019 (Cloud deployed) and Community Edition device requirements.

Review the machine hardware specifications, operating system versions, and browser types supported by Automation Anywhere Enterprise for creating and running bots and command packages as an Enterprise A2019 (Cloud deployed) or Community Edition user on your local machine.

1.2 Prerequisites

- 1. Automation anywhere enterprise A2019 enterprise installed.
- 2. Python 3.8 or later installed
- 3. IBM cloud Visual Recognition K5 API key and URL



2. Getting Started

2.1 Quick Start

2.1.1 Configuration and Use

OUTPUT VARIABLES: Output Variables to be mentioned in this Table.					
Variable Name	Туре	Mandatory	Purpose	Direction	Example Output
sApi_Key	String	Yes	Provide your IBM Visual Recognition .K5 API Key NOTE: Pls configure this variable with the required API Key		Ex: nivFDzauF********Wg4CRwh
sIBM_Url	string	Yes	Please provide your IBM Visual Recognition K5 — Credentials- URL Note: Please Configure This variable with the required url for Recognition		Ex: https://api.us-south.visual-recognition.watson.cloud.ibm.com/instances/166-fb21-4228-82a236
fMainForm	String	Yes	Configure Your Visual Recognition input form path		Ex: Bot Store\A2019 - Visual Recognition Using Watson - KLOUDPAD Mobility Research Pvt Ltd\Visual Recognition



sAppRoot String yes This variable is shows the major root of
the this bot It shows Output files, log files and temp files.
and temp files.

^{*}Sample Excel files is included in this bot (Control room files)

Steps for Configuring

Step 1: Installing PIP on Windows

Open the command Prompt. Use the **cd** command followed by a folder name to navigate to the location of the *get-pip.py* file. This is the folder you previously used as the download location.

To install PIP type in the following:

python get-pip.py

You can upgrade PIP on Windows using the Command Prompt window. To upgrade PIP on Windows, enter the following in the command prompt:

python -m pip install --upgrade pip

Step 2: Installing Packages

- Install Python SDK for IBM = *pip install --upgrade "ibm-watson>=4.6.0"*
- Install Json = pip install json



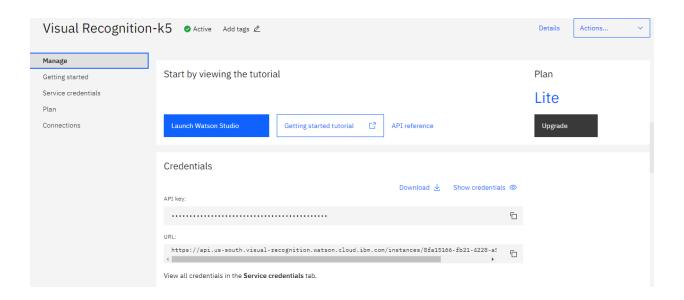
Install below python packages:

- 1. Pip install cherrypicker
- 2. Pip install pandas
- 3. Pip install os

Step 3: Enable Breathe API

• Open IBM Cloud and Go to Below path:

"Dashboard/Services /Resource list /Service Credentials / Auto-generated service credentials"





4. Support & FAQs

4.1 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 <u>Product Documentation portal</u> which can be accessed for more information about our products and guidance on <u>Enterprise A2019</u>.

4.2 FAQs

For questions relating to Enterprise A2019: See the Enterprise A2019 FAQs.



Appendix A: Record of Changes

No.	Version Number	Date of Change	Author	Notes
1.	1.0	10/11/2020	Shahid Badusha	Release Version



Appendix B: References

No.	Торіс	Reference Link
1	Overview of Enterprise A2019	Click <u>here</u>
2	Guidance: Building basic A2019 bots	Click <u>here</u>
3	Guidance: Building A2019 action packages	Click <u>here</u>
4	APeople Community Forum	Click <u>here</u>
5	Automation Anywhere University	Click <u>here</u>