

A2019 - Facial Detection and Recognition

README

Version A2019.16

15/01/2020

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1. Introduction

This document contains all essential information for the user to make full use of this A2019 – Facial Recognition and Detection.

1.1 Overview

- This bot detects one or more human faces in an image and get back face rectangles for where in the image the faces are, along with face attributes which contain machine learning-based predictions of facial features.

1.2 Use cases

The key use cases include:

- Detect and identify people and emotions in images.

1.3 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.

1.4 Prerequisites

1. Automation anywhere enterprise A2019 enterprise installed.
2. Python 3.8.x must be installed. [Install from here](#)
3. Mandatory Python Libraries to be installed([How to Install a Package in Python](#)):
 - a. matplotlib
 - b. pillow
 - c. urllib.parse
 - d. uuid
 - e. io
 - f. requests

2. Getting Started

2.1 Quick Start

2.1.1 Configuration and Use

INPUT VARIABLES: Input Variables to be mentioned in this Table.					
Variable Name	Type	Mandatory	Purpose	Direction	Additional Info
sAppRoot	String	Yes	Contains the main folder of bot. This will have output folder, log file	Input	Provided Path C:\Automation A2019\Bots\A2019 - Facial Detection and Recognition Output folder contains detected face image with rectangle drawn on the face and face attributes with it
sFaceApiUrl	String	Yes	Set the variable with face Api url.	Input	Ex: https://westus.api.cognitive.microsoft.com/face/v1.0/detect
sSubscriptionKey	String	Yes	Set the variable with Api key	Input	Ex: 2edd554fc0334adaaad1a3e6440a33ca
sImage_url	String	No/Yes	url having face or no face image	Input	
sImage_Path	String	No/Yes	Path of the input image that contains or no face	Input	

OUPUT VARIABLES: Input Variables to be mentioned in this Table.					
Variable Name	Type	Mandatory	Purpose	Direction	Additional Info
sErrorMessage	String	Yes	If error occurs, the error message is set in this variable	Output	
nErrorLineNumber	Number	Yes	If error occurs, the error line is set in this variable.	Output	

Built with:

1. [Microsoft Face Detection](#) – Microsoft Face Detection service used.
2. [Reference](#)

5.Support & FAQs

5.1 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 [Product Documentation portal](#) which can be accessed for more information about our products and guidance on [Enterprise A2019](#).

5.2 FAQs

For questions relating to Enterprise A2019: See the [Enterprise A2019 FAQs](#).

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Appendix A: Record of Changes

No.	Version Number	Date of Change	Author	Notes
1.	1.0	15/January/2021	Shabeera Beebi	Release Version

Appendix B: References

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