



Partnering with Enterprises to accelerate their Automation Journey.



QR CODE READER

ReadMe – AA BOT store

Version 1.0

04/04/2020

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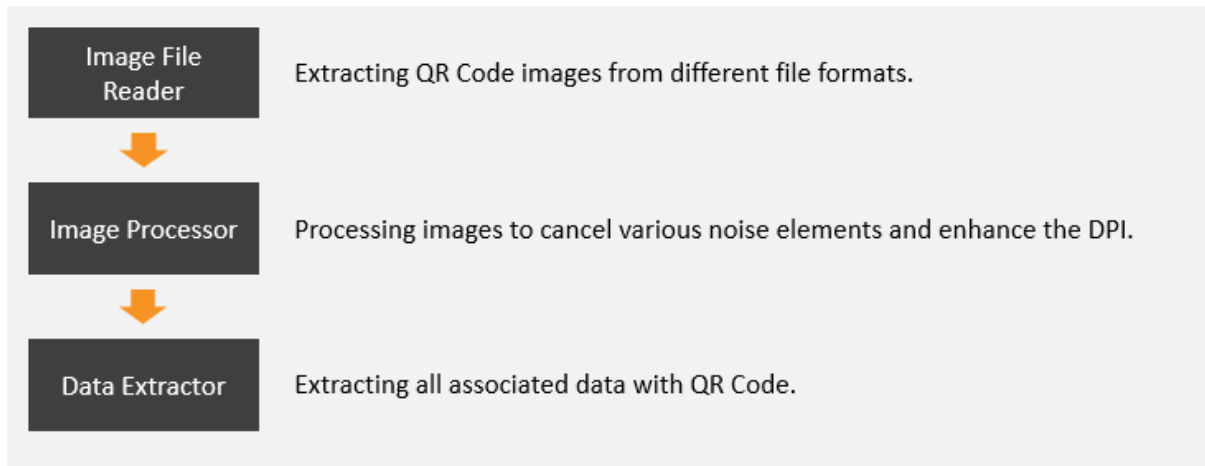
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1. Introduction

The purpose of this document is to capture the Robotic Process Automation (RPA) design, deployment guidelines and usage considerations for the given BOT (QRCode Reader).

1.1 Overview

The objective of this bot is to extract key data values from the scanned images of QR Code. The complete BOT engine is conceptually having the four components as depicted below,



The scope of this digital worker is to

1. **Read** Image files from the local system storage. The supported file formats are, pdf, jpeg, jpg & png.
2. **Extract** the data through core engine.
3. XML output format is defined as,

It can be anything which has QR Code in it.

Example: - Aadhar Card

Uid: - Aadhaar Card Number, Name: - Official Name of Aadhaar owner, etc..... remaining are defined in below screenshot as required.

```

<QrCodeOutput>
<Qr>
<Data Name="result">
https://medium.com/@engngesenior/qr-codes-generation-with-python-377735be6c5f
</Data>
<Data Name="Filename">qr1.png</Data>
</Qr>
<Qr>
<Data Name="result">http://goo.gl/dxWVD</Data>
<Data Name="Filename">qr2.png</Data>
</Qr>
<Qr>
<Data Name="result">2810050501011QTCW9J6RFF5</Data>
<Data Name="Filename">qr3.jpg</Data>
</Qr>
<Qr>
<Data Name="uid">Aadhar number</Data>
<Data Name="name">Name</Data>
<Data Name="gender">M</Data>
<Data Name="dob">Birth Date</Data>
<Data Name="house">house no. xxxxxxxx</Data>
<Data Name="Street">street no. xxxxxx</Data>
<Data Name="loc">locality</Data>
<Data Name="vtc">village/town/city) </Data>
<Data Name="dist">district</Data>
<Data Name="state">state</Data>
<Data Name="pc">postal code</Data>
<Data Name="Filename">qr5.jpg</Data>
</Qr>
</QrCodeOutput>

```

4. **Log** the execution details and errors (if any) occurred during execution.

1.2 Common Use cases

While there are many possible use cases across Industries for the given BOT, following are straight-forward use cases where PAN card information is manually read, verified and updated into the systems.

- Finance Industry
- Human Resources
- Manufacturing Industry

2. Requirements & Prerequisites

2.1 Hardware Requirements

For the PC or server where the bot needs to run:

- RAM: 8GB or higher
- PROCESSOR: Intel Core i5 or higher and equivalent for any other OS
- Hard Disk: Up to 2GB of overall free space in the system.

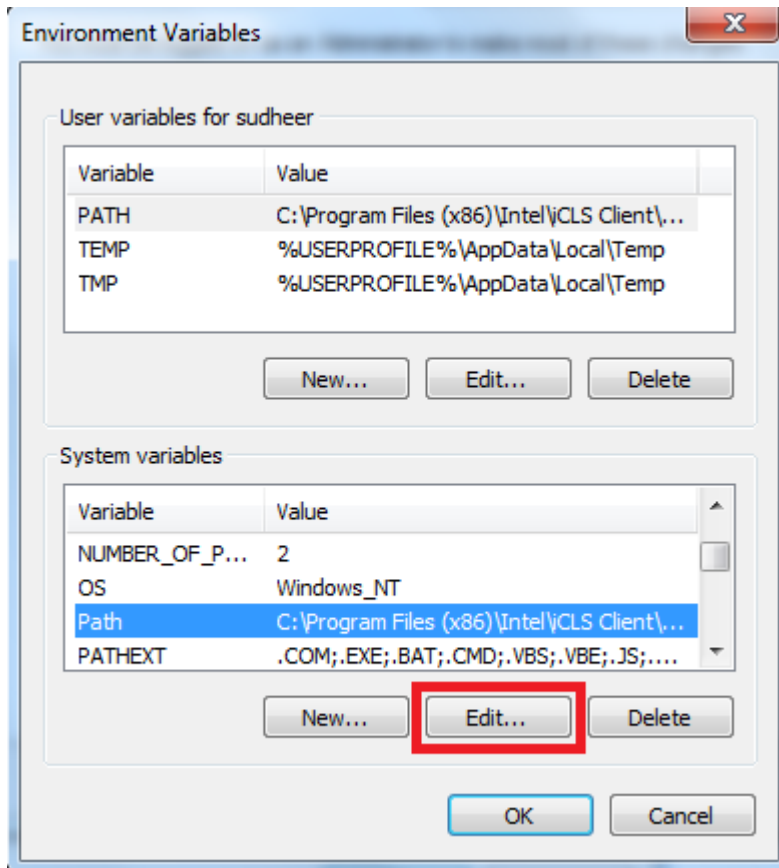
2.2 Software Requirements

Under software requirements following are the installations to be done prior the execution of bot are as follows:

	Application /Access required	Minimum Version
1.	Poppler	0.67.0_x86
2.	Automation Anywhere	11.x
3.	Windows	7 or higher

Below software's need to be properly installed, you can follow below steps for installation.

- **Poppler - 0.67.0_x86-** to convert pdf files into image format.
 1. Poppler can be installed from Poppler can be installed from <https://blog.alivate.com.au/poppler-windows/>
 2. Download and unzip the file and place in any of paths where it can be accessible.
- For both tesseract and poppler create the environmental variable, follow the below steps.
 1. Go to Control Panel →System→Advanced Tab→Environmental variables.
 2. In Environmental Variables Tab Click on Path in System variables and click on Edit and add new path.

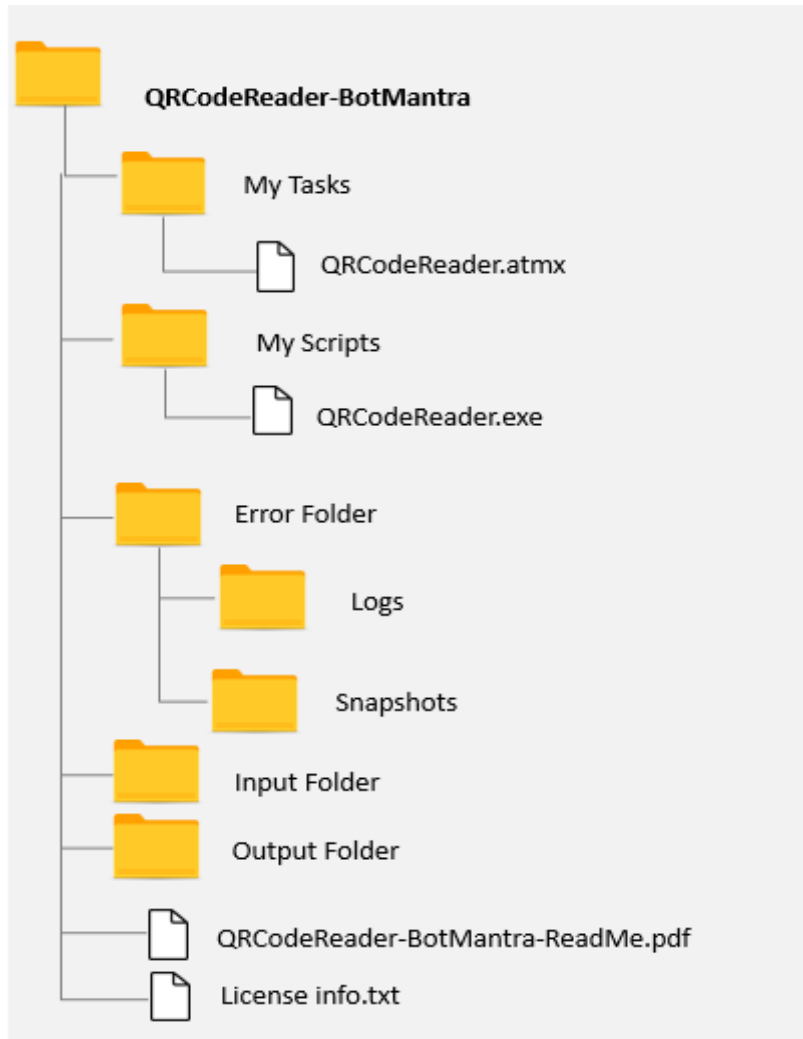


Ex: Path = C:\Program Files\Tesseract-OCR
Path = C:\Program Files(x86)\poppler-0.67.0\bin

3. Getting Started

3.1 Deployment Process

- Download the file QRCodeReader-BotMantra.zip. Following is the folder structure of the zip file.



- Extract the complete set of files as provided above, and copy them in the folder, Documents\Automation Anywhere Files\Automation Anywhere\My Tasks\Bot Store\
- Ensure to deploy Poppler as explained in the software requirements

3.2 Execution Process

- Place all the files containing scanned images of QR Code in the “Input Folder”.
- Run task QRCodeReader.atmx
- The extracted data gets stored into the xml file with the format in the “Output Folder”.
- The logs and screenshots are stored in respective folders under “Error Folder”.

4. Reports



There are no Bot Insight Reports generated for this bot.

5. Logs



The Logs are stored under “Logs” folder in Log-DD-MM-YYYY.txt format for each batch of execution. The following fields are stored in the Error Logs file,

- Timestamp
- Task Name
- Error Line Number
- Status – Fail / Pass
- Description

6. Screenshot Filename **Troubleshooting & Support**

6.1 Support



For support in installing the bot contact: support.admin@botmantra.com

Time Zone: IST - India Standard Time (UTC +5:30)

Appropriate time to contact: 10:00 AM till 7:00 PM (Monday to Friday)



Questions on Bot Functionality or Feature can also be posted to support.admin@botmantra.com

6.2 FAQs



Q: What types of inputs can this bot process?

A: This bot can process Scanned documents pdf, png, jpeg and jpg.

Q: Can I run the Bot for processing multiple images at once?

A: Yes, if you want to process more than one image provide the path of the folder with all the images and the bot will pick automatically.

Q: How to check the output of the bot?

A: You can find an xml file in the output folder with latest date created.

Q: How will the output file be generated when bot processes on more than one image at once?

A: When bot processes more than one image it generates a single xml file with output data of all the images.

Q: How do I know if bot has executed successfully or not?

A: After execution you can check in output on same time if xml file is generated or not. Also, you can go to Logs folder, you will find Log-DD-MM-YYYY.txt, which will show the reason of error and also show how many records are success and failed

Appendix A: Record of Changes

No.	Version Number	Date of Change	Author	Notes
1	1.0	04-Apr-2020	Kaushal/Lahari	Version 1 Release