A2019 - FUZZY MATCHING BOT- AA A2019

Readme

Version A2019.X

25/01/2021

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1.   Introduction

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

1.1   Overview

This bot performs the following action:
- This bot uses the **Fuzzy match** action to compare the values of two strings or files for similarity.

- This action returns a decimal value; the closer the value to 1.0, the greater the similarity between the two strings.

- Input value is File (in .txt/.pdf) / String to compare the values of two strings or files and returns a decimal value as output.

1.2   Use cases

The key use cases include:

This Bot can be used to automate the process of evaluating strings of data for similarity.

For example, you have an automation sequence in which a bot extracts data from invoices, searches a database for the company record, and updates the record with data from the invoice. Use the **Fuzzy match** action to handle two possible scenarios:

Use this action to automate the process of evaluating strings of data for similarity. For example, you have an automation sequence in which a bot extracts data from invoices, searches a database for the company record, and updates the record with data from the invoice. Use the Fuzzy match action to handle two possible scenarios:

- A mistake occurs at the extraction step where a letter is incorrectly extracted. Instead of Apple, the bot extracts App1e, with a numerical one instead of the letter l.
- There is a small variation between the company name on the invoice and in the database. The invoice contains the company name Apple Inc, but the database has a record for the company name Apple.
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This Bot can be used as an alternate to any API / 3rd Party Tool.

2.   Requirements & Prerequisites

2.1   System Requirements

The Bot will work on Pure Cloud, Cloud-Enabled and Fully On-Prem deployment.
Operating system supported are Microsoft Windows (Windows 7/8/10 and Windows Server 2012/2016/2019) and Linux (Linux CentOS 7.7, Red Hat Enterprise Linux 7.7)
Enterprise A2019 can be hosted on AWS, Microsoft Azure, Google Cloud, IBM, and any public, private, or hybrid cloud service.
Only 64-bit operating system version supported.
Bot Creator tasks are supported with all the listed operating systems.
You cannot register a device that is running on a Linux system. The Bot agent cannot be installed on Linux systems. However, you can use a registered device running on a Windows system to access an Enterprise Control Room that is installed on a Linux system.

Supported Browsers with versions are as below:
Google Chrome   : 57 or later
Microsoft Internet Explorer   : 11
Microsoft Edge based on Chromium : 79 or later

Machine hardware specifications are as below:

Processor	RAM	Storage (free disk space)	Network
Intel Core i3 2.6 GHz (Minimum)	4 GB (Minimum)	32 GB	5Mbps
64-bit higher (Recommended)	8 GB (Recommended)		20Mbps or

2.2   Prerequisites

Automation Anywhere A2019 Cloud / On Prem / Community Edition Version.

.Net DLL is the dependency file in the package.

3. Getting Started

3.1 Quick Start

3.1.1 Setup

Download the Bot in A2019 Edition of Automation Anywhere Cloud / On Prem / Community Edition Version to be ready to use from A2019.

3.1.2 Configuration and Use

Bot named "A2019 - Fuzzy Matching Bot" is ready to use Bot.
For Configuring the Bot –

INPUT VARIABLES: Input Variables to be mentioned in this Table				
Variable Name	Type	Mandatory	Purpose	Example Input
fFile1, fFile12	String/File of type .txt/.pdf	Yes	Match the string value in file1 with file2	Apple Inc./ App1e Inc.

OUTPUT VARIABLES: Output Variables to be mentioned in this Table.				
Variable Name	Type	Mandatory	Purpose	Example Output
sFuzzyMatchingPercentage	String	Yes	The match value	0.93

Input value is File (in .txt/.pdf) / String to compare the values of two strings or files and returns a decimal value as output. It returns a decimal value; the closer the value to 1.0, the greater the similarity between the two strings.

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 Product Documentation portal which can be accessed for more information about our products and guidance on Enterprise A2019.

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.	A2019 - Fuzzy Matching Bot v1.1	25/01/2021	Rajat Nandi	New version with more features/options coming soon.

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