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Fuzzy Advanced Package

Readme

Version 2.0.2

07/09/2021

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1. Introduction

This document contains all essential information for the user to make full use of this **Automation 360 Fuzzy Advanced Package**. It includes a description of the functions and capabilities and step-by-step procedures for setup & configuration of the **Fuzzy Advanced Package**).

1.1 Overview

The package provides actions to tokenize a string and to detect words

1.2 Use cases

The key use cases include:

- Detect words to get the intention of an email
- Tokenize a string and search for certain patterns
- Detect words with fuzzy matching

2. Requirements & Prerequisites

2.1 System Requirements

- Enterprise Automation 360.21+

2.2 Prerequisites

No prerequisites

3. Getting Started

3.1 Quick Start

3.1.1 Setup

Import the Automation 360 Fuzzy Advanced Package in the Control Room under Bots->Packages.

3.1.2 Configuration and Use

The package contains the following command and condition actions

Basic Tokenizer	
Get Numerical Tokens	
Partial Ratio Match	
Simple Ratio Match	Contains Numerical
Token Ratio Match	Contains Tokens
Token Weighted Ratio Match	Tokens Equal
Detect Words	In Tokens

Name	Description	Parameter	
Basic Tokenizer	Get Tokens from a String	Text	String to tokenize
		Tokens	List of Tokens, punctuation marks also listed as tokens
Detect Words	Detects Words from a Vocabulary in a String	String	String where to detect words
		Vocabulary	List of words to detect
		Fuzzy (optional)	Use fuzzy logic to detect words
		Get Numbers	Detect numbers , options; no, must be a number or has digits
		Confidence (%) (optional)	Confidence if word is in the vocabulary
		Words	List of detected words

Get Numerical Tokens	Get numerical tokens from a list of tokens	Tokens	List of tokens
		Must be Number	Must be a number or has digits
		Numerical Tokens	List of numerical tokens
Condition Contains Numerical	List contains Numericals	List1	List1 that contains numerical entries
Condition Contains Tokens	List1 contains all tokens of List2, order is ignored	List1	Size of List1 is greater than of List2 and it contains all tokens of List2
		List2	Reference list to compare tokens
Condition In Tokens	Tokens of List1 are all included in List2, order is ignored	List1	Size of List1 is less than of List2 and all its tokens are in List2
		List2	Reference list to compare tokens
Condition Tokens Equal	List1 and List2 are equal, order is ignored	List1	Size and tokens of List1 are equal to List2
		List2	Reference list to compare tokens
Token Ratio Match	Does a Fuzzy Match for each token in the list after tokens have been sorted.	Token List1	Token list, e.g. from action Basic Tokenizer
		Token List1	Token list, e.g. from action Basic Tokenizer
Weighted Ratio Match	Does a Fuzzy Match for two strings. It handles lower and upper cases and some other parameters too.	String 1	First string
		String2	Second string
Simple Ratio Match	Does a Fuzzy Match for two strings.	String 1	First string
		String2	Second string
Partial Ratio Match	Does a Fuzzy Match for two strings where special characters like exclamation mark are ignored	String 1	First string
		String2	Second string

3.1.3 Samples for “Ratio Match” actions

String 1 : *Fuzzy Wuzzy was a Bear !*

String 2 : *wuzzy fuzzy was a bear*

Result

Token Ratio Match	100
Weighted Ratio Match	95
Simple Ratio Match	81
Partial Ratio Match	86

String 1 : *Fuzzy Wuzzy was a Bear and not a Fox !*

String 2 : *wuzzy fuzzy was a bear*

Result

Token Ratio Match	76
Weighted Ratio Match	86
Simple Ratio Match	62
Partial Ratio Match	86

String 1 : *wuzzy fuzzy was a fox*

String 2 : *fuzzy wuzzy*

Result

Token Ratio Match	69
Weighted Ratio Match	86
Simple Ratio Match	61
Partial Ratio Match	83

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 Automation 360](#).

4.2 FAQs

For questions relating to Enterprise Automation 360: See the [Enterprise Automation 360 FAQs](#).

Appendix A: Record of Changes

Instructions: Provide information on the version number, the date of the version, the author/owner of the version, and a brief description of the reason for creating the revised version.

No.	Version Number	Date of Change	Author	Notes
1	1.0.2	05/01/2020	Stefan Karsten	Initial version
2	1.0.3	05/19/2020	Stefan Karsten	Fixing "Detect Words" action
3	2.0.0	06/07/2020	Stefan Karsten	Added "Ratio Match" actions
4	2.0.1	15/03/2021	Stefan Karsten	Added new options for number detection
5	2.0.2	07/09/2021	Stefan Karsteb	Added new condition for numerical detection

Appendix B: References

No.	Topic	Reference Link
1	Overview of Enterprise Automation 360	Click here
2	Guidance: Building basic Automation 360 bots	Click here
3	Guidance: Building Automation 360 action packages	Click here
4	APeople Community Forum	Click here
5	Automation Anywhere University	Click here