



VAT Verification VIES

Readme

Version 1.0

22/12/2021

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1. Introduction

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

1.1 Overview

This bot verifies the validity of VAT numbers from source file which is read at once and then processed sequentially. The numbers and their status are saved in the external file. The bot also captures screen of the website with verified number.

1.2 Use cases

The key use cases include:

- Bulk vat numbers validation

2. Requirements & Prerequisites

2.1 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.

2.2 Prerequisites

- Automation Anywhere A2019
- Microsoft Excel
- Google Chrome browser

3. Getting Started

3.1 Quick Start

3.1.1 Setup

Import the VAT Verification VIES bot from Bot Store.

3.1.2 Configuration and Use

- For Configuring the Bot –

INPUT VARIABLES				
Variable Name	Type	Mandatory	Purpose	Example Input
<i>sRootDirectory</i>	<i>String</i>	<i>Yes</i>	<p>Root directory for other directories used by the bot:</p> <p>Logs: <i>sRootDirectory\Logs</i></p> <p>Errors: <i>sRootDirectory\Logs</i></p> <p>Configuration file: <i>sRootDirectory\Config</i></p> <p>(see also <i>InputFolder</i> and <i>OutputFolder</i> in Excel File Config table).</p> <p>Root is set by default to location used by the bot agent.</p>	<i>C:\ProgramData\AutomationAnywhere\Bots.</i>

- Excel File Config –

Variable name	Mandatory	Purpose	Example Input
<i>InputFolder</i>	<i>No</i>	<p>Absolute input folder path in which the file with vat numbers will be stored.</p> <p>If not provided, bot will be looking for the file inside <i>sRootDirectory\Input</i></p>	<i>C:\ProgramData\AutomationAnywhere\Bots\Input</i>
<i>OutputFolder</i>	<i>No</i>	Absolute output folder path where the output files will be stored	<i>C:\ProgramData\AutomationAnywhere\Bots\Output</i>

		If not provided, bot will save the files inside <i>sRootDirectory\Output</i>	
SnapshotFolder	No	Absolute snapshot folder path where the snapshots of VIES website will be stored If not provided, bot will save the files inside <i>sRootDirectory\Snapshots</i>	C:\ProgramData\AutomationAnywhere\Bots\Snapshots
MaxRetryNumber	Yes	Maximum retry number in case of an error.	
ReportFileName	Yes	The name of the report file with verified numbers. The file will be saved inside OutputFolder.	report.csv
InputFileName	Yes	The name of the input file with vat numbers to be verified. The file should be stored inside InputFolder.	numbers.csv
Url	Yes	The url of the VIES website. It can be changed to the local language version.	https://ec.europa.eu/taxation_customs/vies/?locale=en
EmailTo	No	Email address to which report file would be sent.	test@outlook.com
EmailCc	No	Carbon copy email address to which report file would be sent.	test@outlook.com
EmailBcc	No	Blind carbon copy email address to which report file would be sent.	test@outlook.com

3.2. Task files

<i>Task name</i>	<i>Description</i>
1.0_Main	This is the main task.
2.0_ReadConfigFile	Config.xlsx file is read and stored in the dictionary dDataConfig. Values of the column "Keys" in the config file are used as keys of the dictionary and the column "Values" of the config file are the values. Dictionary dDataConfig is passed throughout the bot. This is a child to main task.

3.0_ReadData	The bot reads vat numbers from file specified in Config.xlsx (see section <i>Configuration and use</i>) and saves them to table variable. This is a child to main task.
4.0_ViesGetCountryOptions	The bot reads countries that can be selected from VIES website. Country codes are stored in <i>countriesDictionary.csv</i> in the output folder. The file is also used by 5.1_ViesVatVerify to check if verification of the provided vat number is possible. This is a child to main task.
5.0_Process	The bot processes all input vat numbers inside loop and creates the report. This is a child to main task.
5.1_ViesVatVerify	Task verifies provided vat number. The bot both saves the status message and captures screen of the website and saves it in the snapshot folder. This is a child to Process task.
5.2_ViesSetFieldsAndSubmit	Task sets required fields of the vies form. This is a child to ViesVatVerify task.

3.3. Files used by bot

3.3.1. Config.xlsx

Config.xlsx is a configuration file and it should be stored inside *sRootDirectory\Config*. If the bot won't find the file in this location, default configuration file will be downloaded from the control room.

3.3.2. Input file

Vat numbers should be provided in csv file inside input folder. The example of the input file is shown below. Note that vat numbers should always start with 2-letter country code.

	A	B
1	ATU12345678	
2	BE1234567890	
3	HR12345678901	
4	DK12345678	
5		

3.3.3. Report file

The bot creates the report containing the vat numbers and their corresponding status scraped from vies website. The example of the file is shown below.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	0,Status															
2	ATU12345678,"No, invalid VAT number for cross border transactions within the EU (please refer to FAQ, questions 7, 11, 12, 13 and 20 for more information)."															
3	BE1234567890,"No, invalid VAT number for cross border transactions within the EU (please refer to FAQ, questions 7, 11, 12, 13 and 20 for more information)."															
4	HR12345678901,"No, invalid VAT number for cross border transactions within the EU (please refer to FAQ, questions 7, 11, 12, 13 and 20 for more information)."															
5	DK12345678,"No, invalid VAT number for cross border transactions within the EU (please refer to FAQ, questions 7, 11, 12, 13 and 20 for more information)."															
6																

3.3.4. Countries Dictionary

The bot saves countries' codes and their corresponding dropdown options to countriesDictionary.csv to the output folder. The example of countries dictionary is shown below:

AT,AT-Austria		
BE,BE-Belgium		
BG,BG-Bulgaria		
CY,CY-Cyprus		
CZ,CZ-Czech Republic		
DE,DE-Germany		
DK,DK-Denmark		
EE,EE-Estonia		
EL,EL-Greece		
ES,ES-Spain		

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

Instructions: Add any Frequently Asked Questions related to Bot that you think would be helpful to the customer

For questions relating to Enterprise A2019: See the [Enterprise A2019 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

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