

Extract Excel Table to Embed in Email body

README

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1. Introduction

This document contains all essential information for the user to make full use of Extract Excel Table to Embed in Email body. It includes a description of the functions and capabilities and step-by-step Procedures for setup & configuration of the python package.

1.1 Overview

The Bot, Extract Excel Table to embed in Email body is designed to fetch the table content from the excel sheet and sending an email with embedding the extracted table in the email body. It is capable of fetching the data from the table with its whole style. Then the content is send to the user as it is read from the config excel file.

- The python code is executed for the purpose of extracting table from the excel sheet into html text.

Steps

Steps followed in the bot build:

- Select the config file from the location
- Read required data from the config file.
- Bot extracts table data with styles from specified Excel sheet for which the path is provided in the config file.
- Executing the python script by using the open application program with – C switch command for single line execution.
- The python script execute to extract the table content with its format as html text.
- The bot sends the email as the new format with all its config data in the mail body.
- The email which includes the Mail subject, Mail message, Table Heading, Mail Signature



1.2 Use cases

The key use cases include:

- 1 This bot can be used in any organizations to send excel reports through email
- 2 Excel sheet containing multiple tables can also be used
- 3 Embedding the table with all its styles.
- 4 Reliable and Efficient
- 5 Time Saver
- 6 Easy to use

2 Requirements & Pre-requisites

2.1 System Requirements

[A360 \(Cloud deployed\) 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 A360 (Cloud deployed) or Community Edition user on your local machine.

2.2 Prerequisites

1. Automation 360 setup to run in your machine
2. Bot creator license
3. Python version 3.x
4. Python packages – `xlsx2html` , `BeautifulSoup4`

3 Getting Started

3.1 Quick Start

Setup

- Install the Bot from Bot Store into your Control Room.

3.1.1 Configuration and Use

- Install Python.
 - Download link: <https://www.python.org/downloads>
 - Verify installation: <https://docs.python.org/3/using/windows.html#from-the-command-line>
- Package installation

Execute the following commands

```
pip install xlsw2html
pip install beautifulsoup4
```
- Configuration Content

The below table contains configuration keys and sample values. User needs to provide the actual values as per the use.

Key	Value	Description
ExcelFilePath	C:\ProgramData\AutomationAnywhere\Bots\Monthly Performance Report.xlsx	The complete path of the excel file
ExcelSheetname	Monthly Review	The sheet name which contains the table data that need to be embed in mail body
FromMailAddress	test@gmail.com	From which mail id to send mail
ToMailAddress	test@gmail.com	To which mail id
MailSubject	Monthly Report	Subject of the mail
MailMessage	Hi test, Please Find Attached Details Below	Body of the mail
TableHeading	Monthly Performance report	Title need to provide for the table
MailSignature	Thank You This is an automated Notification	Signature of the sender



- Email Credentials
 - User need to set their username as well as password in the following variables
 - \$Email_userName\$
 - \$Email_passWord\$

Mainly used variables are listed below.

VARIABLES: The variables which used in the workflow				
Variable Name	Type	Mandatory	Purpose	Value
sAppRoot	String	Yes	Root directory where the Process related folders exist	C:\ProgramData\AutomationAnywhere\Bots\Extract Excel Table-Email
sEmailContent	String	Yes	The details need to embed in the emailbody	\$sEmailContent\$\$CsvTxtRow[0]\$
ConfigFile	List	Yes	The config data are adding to this excel file	This is assigned for prompt for file value
Runlogpath	String	Yes	Path where the run log file is saved	\$LogFolder\$\RunLogPath.csv

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 [Automation 360](#).

4.2 FAQs

Q: Can I make changes to this process/bot?

A: Absolutely. Free process/bots are for you to make use of, customize, and/or include in your builds as you see fit.

Q: Can I upgrade the packages for this bot?

A: Yes – but know that the bot was created/tested on a specific package version. Any modifications to that may result in unexpected outcomes – so make sure to test the bot/subtask after making any package version modifications.

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

Appendix A: Record of Changes

No.	Version Number	Date of Change	Author	Notes
1.	1.0	24/09/2021	Jisha Rose	Version 1.0

Appendix B: References

No.	Topic	Reference Link
1	Overview of Enterprise A360	Click here
2	Guidance: Building basic A360 bots	Click here
3	Guidance: Building A360 action packages	Click here
4	APeople Community Forum	Click here
5	Automation Anywhere University	Click here