



PowerPoint Presentation - Custom Package

Readme

Version 2.4.1

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1. Introduction

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

1.1 Overview

PowerPoint Presentation is a custom package created for automating actions in PowerPoint Presentation files. It includes 12 different actions such as Read Text, Split Slides, Add List, Add Footer, Append Slide, Change Slide Order, File Conversion, Copy Slide, Encrypt/Decrypt, Get Total Slides, Remove Slide, and Replace Text.

For example: In the Read Text action you need to pass the input ppt file path to read all text and get the result in a output string type variable.

1.2 Use cases

The key use cases include:

- Typically, the PPT custom package can be used in all the use cases that includes extracting or modifying data present in a PPT file.

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

None

3. Getting Started

3.1 Quick Start

3.1.1 Setup

None

3.1.2 Configuration and Use

Actions:

1. Add Footer:

- a. Add footer text, date, and page count on each slide in PowerPoint.

Powerpoint Presentation: Add Footer

Add footer text, date, and page number in PPT

Required bot agent version: 20.11 or above

⚠ Input File Path

Control Room file

Desktop file

Variable



(x)

Browse...

Required extension: ".PPTX"

☐

Add Footer Text

Footer Text

☐

Add Page Number

☐

Add Date

Assign the status to variable



prompt-assignment



(x)

Status: (Success/Error Details)

b. Input:

- File path of PPT
- Check boxes to select "Add Footer Text", "Add Page Number", "Add Date"
- Footer text to add on the slides.

c. Output:

- The output text will be "Success", or it will hold the "Error Details".

2. Add List:

- a. Add a list of text on the slide either in the bulleted or numbered format.

Powerpoint Presentation: Add List

Add list items in PowerPoint

Required bot agent version: 20.11 or above

⚠ Input File Path

Control Room file Desktop file Variable

📁

(x)

Browse...

Required extension: *.PPTX

⚠ Output File Path

Control Room file Desktop file Variable

📁

(x)

Browse...

Required extension: *.PPTX

⚠ Slide Position

#

(x)

Position of the slide in PPT. Index starts from 1

Shape - X Axis

#

50

(x)

X position of the shape

Shape - Y Axis

#

70

(x)

Y position of the shape

Shape - Width

#

850

(x)

Width of the shape

Shape - Height

#

400

(x)

Height of the shape

Input List

List Variable

This list is empty

+

List of items to add

Formatting

☒ Bulleted List

☐ Numbered List

Assign the status to variable (optional)

Choose a variable

▼

(x)

Status: (Success/Error Details)

- b. Input:
 - i. Input File Path
 - ii. Output File Path
 - iii. Slide Position. (Index starts from 1)
 - iv. Shape – X, Y, Width, and Height
 - v. List to add
 - vi. Formatting – Either Bulleted or Numbered.
- c. Output:
 - i. The output text will be “Success”, or it will hold the “Error Details”.

3. Append Slide:

- a. Append a new slide to the end of the PPT

Powerpoint Presentation: Append Slide

Append a new slide to PPT
Required bot agent version: 20.11 or above

⚠ Input File Path
Control Room file Desktop file Variable

Cannot be empty Choose...

⚠ Output File Path
Control Room file Desktop file Variable

Cannot be empty Choose...

Assign the status to variable (optional)
Choose a variable (x)
Status: (Success/Error Details)

- b. Input:
 - i. Input File Path
 - ii. Output File Path
- c. Output:
 - i. The output text will be "Success", or it will hold the "Error Details".

4. Change Slide Order:

- a. Change the order of the slide in PPT

Powerpoint Presentation: Change Slide Order

Change order of the slide in PPT
Required bot agent version: 20.11 or above

⚠ Input File Path
Control Room file Desktop file Variable

Cannot be empty Choose...

⚠ Output File Path
Control Room file Desktop file Variable

Cannot be empty Choose...

⚠ Current Slide Position
(x)
Index starts from 1

⚠ New Slide Position
(x)
Index starts from 1

Assign the status to variable (optional)
Choose a variable (x)
Status: (Success/Error Details)

- b. Input:
 - i. Input File Path
 - ii. Output File Path

iii. Current Slide Position

iv. New Slide Position

c. Output:

i. The output text will be “Success”, or it will hold the “Error Details”.

5. File Conversion:

a. Convert PPTX/ODP files to PPTX/ODP/HTML/PDF/XML formats

Powerpoint Presentation: File Conversion

Convert PPTX/ODP file to PDF/HTML/XPS/ODP/PPTX

Required bot agent version: 20.11 or above

▲ Source File Path

Control Room file Desktop file Variable

”” (x) Browse...

Required extensions: “.pptx”, “.odp”

▲ Destination File Path

Control Room file Desktop file Variable

”” (x) Browse...

Required extensions: “.pdf”, “.html”, “.xps”, “.odp”, “.pptx”

Assign the status to variable (optional)

Choose a variable (x)

Status: {Success/Error Details}

b. Input:

i. Input File Path (PPTX/ODP)

ii. Output File Path (PDF/HTML/XPS/ODP/PPTX)

Note: Input file extension should not be same as the output file extension

c. Output:

i. The output text will be “Success”, or it will hold the “Error Details”.

6. Copy Slide:

- a. Copy slide from the source PPT and paste it on the given position in the destination PPT file.

Powerpoint Presentation: Copy Slide

Copy slide from the source PPT to destination PPT

Required bot agent version: 20.11 or above

⚠ Source File Path

Control Room file Desktop file Variable

"" (x)

Browse...

Required extension: ".PPTX"

⚠ Destination File Path

Control Room file Desktop file Variable

"" (x)

Browse...

Required extension: ".PPTX"

⚠ Source Slide Position

(x)

Index starts from 1

Copy Mode

☒ Append

☐ Insert

Insert At

#

Position to insert the slide in destination PPT. Index starts from 1

Assign the status to variable (optional)

Choose a variable ▼ (x)

Status: (Success/Error Details)

- b. Input:
 - i. Source File Path
 - ii. Destination File Path
 - iii. Source Slide Position
 - iv. Copy Mode – Either Append or Insert at a specific position
- c. Output:
 - i. The output text will be "Success", or it will hold the "Error Details".

7. Encrypt/Decrypt:

a. Encrypt or Decrypt PPT file

Powerpoint Presentation: Encrypt/Decrypt

Encrypt or Decrypt PPT file

Required bot agent version: 20.11 or above

Input File Path

Control Room file Desktop file Variable

🗑

(x)

Browse...

Required extension: *.PPTX

Select the option to Encrypt/Decrypt

☒ Encrypt

☐ Decrypt

Password

Credential Variable Insecure string

Cannot be empty

Pick...

Password to encrypt/decrypt PPT

Assign the status to variable (optional)

Choose a variable

(x)

Status: (Success/Error Details)

b. Input:

- i. Input File Path
- ii. Encrypt/Decrypt Option (Radio Button)
- iii. Password

c. Output:

- i. The output text will be "Success", or it will hold the "Error Details".

8. Get Total Slides:

a. Get total number of slides present in PPT

Powerpoint Presentation: Get Total Slides

Get number of slides present in PPT

Required bot agent version: 20.11 or above

PPT File Path

Control Room file Desktop file Variable

🗑

(x)

Browse...

Required extension: *.PPTX

Total Slides

Choose a variable

(x)

Total slides present in PPT

b. Input:

- i. PPT File Path

- c. Output:
 - i. Return total slides in PPT (Number)

9. Read Text:

- a. Read text from PPT (Read text from smart art, shapes, and table objects)

Powerpoint Presentation: Read Text

Read text from PPT

Required bot agent version: 20.11 or above

▲ PPT File Path

Control Room file Desktop file Variable



(x)

Browse...

Required extension: ".PPTX"

▲ Assign the output to variable

Choose a variable

(x)

Output text from PPT

- b. Input:
 - i. PPT File Path
- c. Output:
 - i. Returns text from PPT

10. Remove Slide:

- a. Remove slide located on the given position in PPT

Powerpoint Presentation: Remove Slide

Remove slide from the specified index in PPT

Required bot agent version: 20.11 or above

▲ Input File Path

Control Room file Desktop file Variable



(x)

Browse...

Required extension: ".PPTX"

▲ Output File Path

Control Room file Desktop file Variable



(x)

Browse...

Required extension: ".PPTX"

▲ Slide Index



(x)

Index starts from 1

Assign the status to variable (optional)

Choose a variable

(x)

Status: (Success/Error Details)

- b. Input:

- i. Input File Path
 - ii. Output File Path
 - iii. Slide Index. (Index starts from 1)
- c. Output:
 - i. The output text will be “Success”, or it will hold the “Error Details”.

11. Replace Text:

- a. Find and replace the given text in PPT

Powerpoint Presentation: Replace Text

Replace text in PPT

Required bot agent version: 20.11 or above

⚠ Input File Path

Control Room file Desktop file Variable

🗨

(x)

Browse...

Required extension: ".PPTX"

⚠ Output File Path

Control Room file Desktop file Variable

🗨

(x)

Browse...

Required extension: ".PPTX"

⚠ Slide Position

#

(x)

Position of the slide in PPT. Index starts from 1

⚠ Text To Replace

Dictionary Variable

🗨

(x)

The key value pair of source text and the text to replace

Assign the status to variable (optional)

Choose a variable

▼

(x)

Status: (Success/Error Details)

- b. Input:
 - i. Input File Path
 - ii. Output File Path
 - iii. Slide Position (To remove)
 - iv. Text To Replace (Dictionary holding key value pairs in which all the keys are found and replaced with the values)
- c. Output:
 - i. The output text will be “Success”, or it will hold the “Error Details”.

12. Split Slides:

- a. Split slides and create a separate PPT file for each/group of slides.

Powerpoint Presentation: Split Slides

Split all slides or slides located in the given position in PPT

Required bot agent version: 20.11 or above

⚠ Input File Path

Control Room file Desktop file Variable

"" (x)

Browse...

Required extension: ".PPTX"

⚠ Output File Path

Control Room file Desktop file Variable

"" (x)

Browse...

Required extension: ".PPTX"

If all slides are selected to split, then the output file will be suffixed with the slide position as '<OutputFileName>_<SlidePosition>.pptx'

Select slides to split

☐ All

☒ Selected Position

⚠ Slide Position

"" (x)

Position of the slide in PPT. Index starts from 1. Specify multiple slides as '1-5'

Assign the status to variable (optional)

Choose a variable ▼

(x)

Status: (Success/Error Details)

- b. Input:

- i. Input File Path
- ii. Output File Path
- iii. Option to split –
 1. All – Split all slides in the PPT and create a separate file for each slide in the output directory with the naming convention as "<OutputFileName>_<SlidePosition>.pptx".
 2. Selected Position – Split slides based on the given position and create a new output file. Multiple slide range can be provided as "1-5".

- c. Output:

- i. The output text will be "Success", or it will hold the "Error Details".

- For Configuring the Bot –

INPUT VARIABLES: Input Variables to be mentioned in this Table				
Variable Name	Type	Mandatory	Purpose	Example Input
<i>PPTInputFilePath</i>	<i>Text</i>	<i>Yes</i>	<i>Input File Path Format – FullPath\Filename. Extension</i>	<i>C:\Users\Public\Documents\ InputFile.pptx</i>
<i>PPTOutputFilePath</i>	<i>Text</i>	<i>Yes</i>	<i>Output File Path Format – FullPath\Filename. Extension</i>	<i>C:\Users\Public\Documents\ OutputFile.pptx</i>
<i>PPTSplitSlidesOutput</i>	<i>Text</i>	<i>Yes</i>	<i>Split File Directory Format – FullPath\</i>	<i>C:\Users\Public\Documents\SplitSlides\</i>

OUTPUT VARIABLES: Output Variables to be mentioned in this Table.				
Variable Name	Type	Mandatory	Purpose	Example Output
<i>Text</i>	<i>Text</i>	<i>Yes</i>	<i>Output Text from Read Text Action</i>	
<i>TotalSlides</i>	<i>Number</i>	<i>Yes</i>	<i>Output from Get Total Slides Action</i>	

After configuring the variables, the user can run the bot to see how each action works.

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	<i>2.4.1-20220307-123145</i>	<i>03/07/2022</i>	<i>R C Murali Krishna</i>	<i>Custom PowerPoint Package with 12 basic actions.</i>

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