



Read Configuration Bot Readme Document

**Version 1.0.0
29/10/2021**

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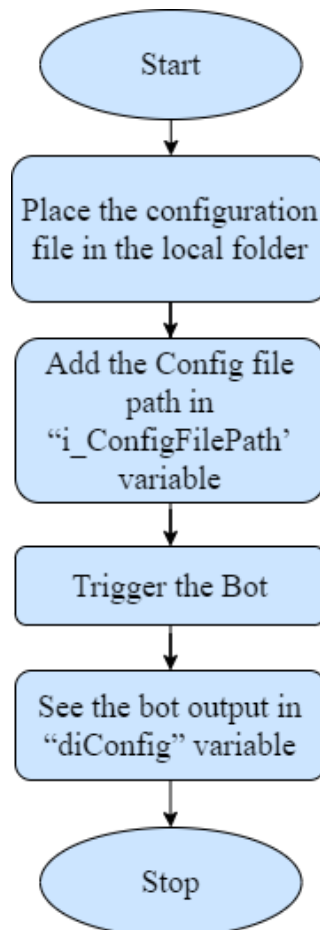
1. Introduction

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

1.1 Overview

The **A2019 Read Configuration Bot** reads the configuration file using XML command package.

- This bot reads the configuration file designed for a process automation and populates it in the “**i_Config**” dictionary of dictionary variable, which is used as an output.
- Configuration file contains all configuration information of the project such as application URL, username, password, path location, log file details, etc.
- Any modification required can be done at one single place using configuration file, rather than changing it at multiple places all over the source code.
- While referring the configuration file, one can see there is an XML Tag <Bot name =“Common”>. This is denoted as *Common* because all the attributes and values present within the tag are common for all other bots developed in an application.
- Further while referring the configuration file, one can see there is an XML Tag <Bot name =**SampleLogBot**>. This tag includes all the attributes and values that are required explicitly for that individual bot.
- As an output of this bot one shall get (Common element + Individual bot element = Each bot information).



1.2 Use cases

Read Configuration Bot can be used for all kinds of process automations as initial setup for any unattended bot, where all initial parameters can be added/modified in xml file at one place without doing modifications in source codes.

2. Requirements & Prerequisites

2.1 System Requirements

Enterprise A2019 (Cloud deployed) or 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

- XML Package

3. Getting Started

3.1 Quick Start

3.1.1 Setup

A configuration file should be set up as per your requirements and naming convention.

3.1.2 Configuration and Use

- For Configuring the Bot – Configuration.xml(required)

Screenshot Attached:

```
<project>
  <Bot name ="Common">
    <LogFilePath>xxxxxxxxxxxxxxxx</LogFilePath>
    <ScreenShotFolderPath>YYYYYYYY</ScreenShotFolderPath>
    <IsDebugOn>True</IsDebugOn>
    <IsDBLogOn>True</IsDBLogOn>
    <IsExceptionOn>True</IsExceptionOn>
    <ProjectCode>xxxxxxxx</ProjectCode>
    <DBServerName>xxxxxxxx</DBServerName>
    <DBName>YYYYYYYY</DBName>
    <DBUserId>xxxxxxxx</DBUserId>
    <DBPassword>YYYYYYYY</DBPassword>
  </Bot>

  <Bot name ="SampleLogBot">
    <ToEmailAddress>xxxJohn@gmail.com</ToEmailAddress>
    <FromEmailAddress>xxxmary@gmail.com</FromEmailAddress>
    <Password>YYYYY</Password>
  </Bot>
</project>
```

INPUT VARIABLES: Input Variables to the Bot				
Variable Name	Type	Mandatory	Purpose	Example Input
i_ConfigFilePath	String	Yes	Path to input folder containing configuration file	E.g : D:\Configuration.xml

OUTPUT VARIABLES: Output Variables of the Bot																						
Variable Name	Type	Man dato ry	Purpose	Example Output																		
diConfig	Dicionary	Yes	Holds all the config values. It is a dictionary of dictionary key holds botname and value is a dictionary which holds ConfigKey and value	<table><tr><th>Key</th><th colspan="2">Value</th></tr><tr><td></td><th>Key</th><th>Value</th></tr><tr><td rowspan="2">Common</td><td>LogFilePat h</td><td>D:\log.txt</td></tr><tr><td>ScreenSh otFolderP ath</td><td>D:\screenshots</td></tr><tr><td rowspan="3">SampleLo gBot</td><td>ToEmailA ddress</td><td>John@gmail.com</td></tr><tr><td>FromEmai lAddress</td><td>mary@gmail.com</td></tr><tr><td>Password</td><td>xxxxxxxxxx</td></tr></table>	Key	Value			Key	Value	Common	LogFilePat h	D:\log.txt	ScreenSh otFolderP ath	D:\screenshots	SampleLo gBot	ToEmailA ddress	John@gmail.com	FromEmai lAddress	mary@gmail.com	Password	xxxxxxxxxx
				Key	Value																	
					Key	Value																
				Common	LogFilePat h	D:\log.txt																
					ScreenSh otFolderP ath	D:\screenshots																
				SampleLo gBot	ToEmailA ddress	John@gmail.com																
					FromEmai lAddress	mary@gmail.com																
Password	xxxxxxxxxx																					
o_ErrorLineN o	Number	Yes	It returns the error line number	<table><tr><th>Key</th><th>Value</th></tr><tr><td>O_ErrorLineNo</td><td>20</td></tr></table>	Key	Value	O_ErrorLineNo	20														
				Key	Value																	
				O_ErrorLineNo	20																	
o_ErrorMessa ge	String	Yes	It returns the error message	<table><tr><th>Key</th><th>Value</th></tr><tr><td>O_ErrorMessage</td><td>message</td></tr></table>	Key	Value	O_ErrorMessage	message														
				Key	Value																	
				O_ErrorMessage	message																	
o_IsSuccess	Boolean	Yes	Returns True on success and false on failure	<table><tr><th>Key</th><th>Value</th></tr><tr><td>O_IsSuccess</td><td>True</td></tr></table>	Key	Value	O_IsSuccess	True														
				Key	Value																	
				O_IsSuccess	True																	

How the bot can be used once it is configured –

1. To invoke this bot provide the value of “i_ConfigFilePath” and store the output result in a dictionary variable to retrieve the output as mentioned in the output variable table.

Runs the selected task bot.

Task Bot to run

Current Task Bot Control Room file Variable

Bots\ESSPL Utility Bots\ReadConfig X Choose...

Input values ⇌ ↺

☒ Set i_ConfigFilePath

” D:\A2019\configuration.xml (x)

It takes configuration.XML file path

2. In the second step get the value of “diConfig” key by using Get key command of dictionary package.

Dictionary: Get

Returns the entry associated with the key in the Dictionary.

Dictionary variable

i_Config (x)

Key

” diConfig (x)

Assign the output to variable

i_Config (x)

i_Config (dictionary variable) - Holds all configuration data for all bots to be used in your child or parent bot.

Resultset

i_config																																	
Key	Value																																
"o_ErrorMessage"	""																																
"o_IsSuccess"	True																																
"diConfig"	<table> <tr> <th>Key</th><th>Value</th></tr> <tr> <td>"Common"</td><td> <table> <tr> <th>Key</th><th>Value</th></tr> <tr> <td>"LogFilePath"</td><td>"C:\Pr</td></tr> <tr> <td>"ScreenShotFolderPath"</td><td>"C:\Pr</td></tr> <tr> <td>"IsDebugOn"</td><td>"True"</td></tr> <tr> <td>"IsDBLogOn"</td><td>"False"</td></tr> <tr> <td>"IsExceptionOn"</td><td>"True"</td></tr> <tr> <td>"ProjectCode"</td><td>"MWN</td></tr> <tr> <td>"DBServerName"</td><td>"PRO</td></tr> <tr> <td>"DBName"</td><td>"MWN</td></tr> <tr> <td>"DBUserId"</td><td>"sa"</td></tr> </table> </td></tr> <tr> <td>"FromEmailAddress"</td><td>"xxxmary@gmail.com"</td></tr> <tr> <td>"SampleLogBot"</td><td> <table> <tr> <td>"ToEmailAddress"</td><td>"xxxJohn@gmail.com"</td></tr> <tr> <td>"Password"</td><td>"yyyyyy"</td></tr> </table> </td></tr> </table>	Key	Value	"Common"	<table> <tr> <th>Key</th><th>Value</th></tr> <tr> <td>"LogFilePath"</td><td>"C:\Pr</td></tr> <tr> <td>"ScreenShotFolderPath"</td><td>"C:\Pr</td></tr> <tr> <td>"IsDebugOn"</td><td>"True"</td></tr> <tr> <td>"IsDBLogOn"</td><td>"False"</td></tr> <tr> <td>"IsExceptionOn"</td><td>"True"</td></tr> <tr> <td>"ProjectCode"</td><td>"MWN</td></tr> <tr> <td>"DBServerName"</td><td>"PRO</td></tr> <tr> <td>"DBName"</td><td>"MWN</td></tr> <tr> <td>"DBUserId"</td><td>"sa"</td></tr> </table>	Key	Value	"LogFilePath"	"C:\Pr	"ScreenShotFolderPath"	"C:\Pr	"IsDebugOn"	"True"	"IsDBLogOn"	"False"	"IsExceptionOn"	"True"	"ProjectCode"	"MWN	"DBServerName"	"PRO	"DBName"	"MWN	"DBUserId"	"sa"	"FromEmailAddress"	"xxxmary@gmail.com"	"SampleLogBot"	<table> <tr> <td>"ToEmailAddress"</td><td>"xxxJohn@gmail.com"</td></tr> <tr> <td>"Password"</td><td>"yyyyyy"</td></tr> </table>	"ToEmailAddress"	"xxxJohn@gmail.com"	"Password"	"yyyyyy"
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"Password"	"yyyyyy"																																

3. In the third step get the value of the corresponding bot you want to use by using Get key command of dictionary package.

E.g. Dictionary variable – i_Config

Key – SampleLogBot or your declared variable with bot name

Dictionary: Get

Returns the entry associated with the key in the Dictionary.

Dictionary variable

 i_Config  

Key

 \$strBotName\$ 

Assign the output to variable

 dicConfig  

4. Here is the Configuration XML file attached. 

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

No.	Version Number	Date of Change	Author	Notes
1	1.0.0	28/10/2021	ESSPL	Created

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