



Windows Automation Package

Readme

Version 3.0.1

10/09/2021

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1. Introduction

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

1.1 Overview

The package provides actions to identify Window UI elements and to execute actions like “Click” or “Set Text”. The Windows Automation Package is based on a Java implementation for the Microsoft's UI Automation library.

<https://github.com/mmarquee/ui-automation>

1.2 Use cases

The key use cases include:

- Automate tasks in Windows applications and execute them much faster
- Build powerful automation for Windows applications
- Automation of Windows application become more reliable

2. Requirements & Prerequisites

2.1 System Requirements

- Enterprise Automation 360.21+

2.2 Prerequisites

No prerequisites

3. Getting Started

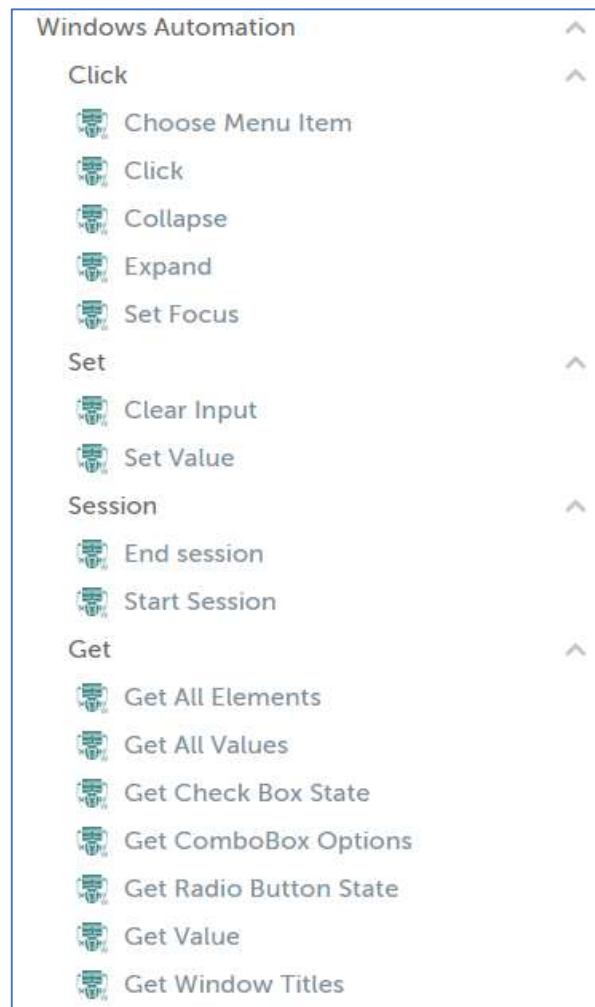
3.1 Quick Start

3.1.1 Setup

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

3.1.2 Configuration and Use

The package contains the following command actions



To find the element name or automation id, use tools like "Accessibility Insights for Windows"
<https://accessibilityinsights.io/>

Accessibility Insights for Windows - Inspect - Live

What to select: Element 🖥️ ▶ ⌚ 📁

Live Inspect > Paused

🔍 Search by name and control type

- pane 'Desktop 1'
 - window 'Untitled - Notepad'
 - menu 'File'
 - menu item 'New'
 - menu item 'New Window'
 - menu item 'Open...'
 - menu item 'Save'
 - menu item 'Save As...'
 - menu item 'Page Setup...'
 - menu item 'Print...'**
 - menu item 'Exit'

DETAILS

menu item 'Print...'

Properties

Property	Value
ControlType	MenuItem(50011)
LocalizedControlType	menu item
IsKeyboardFocusable	False
BoundingBox	[l=2135,t=327,r=2358,b=349]
AccessKey	p
AcceleratorKey	Ctrl+P
HelpText	Property does not exist
AriaProperties	Property does not exist
AriaRole	Property does not exist
AutomationId	6
LegacyIAccessiblePattern.Name	Print... Ctrl+P

Name	Description	Parameter	
Start session	Start new session	Session Name	Name of the new session
		Application Path	Path of the application already running or the application to be started
End session	End session	Session Name	Current session
Get All Elements	Get all child elements of Window or Root Element	Session Name	Current session
		Window Title	Window in which to search for the element
		Root Element Search (optional)	Search parameter. If empty search starts on the Window level
		Search Type (optional)	By Automation ID or Name of the root element
		Values	Dictionary with all values of the visible UI elements. Dictionary key either Automation ID or Name, value contains the UI element type
Get Window Titles	List of all available Windows	Session Name	Current session
		Value	List of all Window titles
Set Value	Set Value of an element (Edit Box, Combo Box)	Session Name	Current session
		Window Title	Window in which to search for the element
		Search	Search parameter. Value depends on the Search type
		Search Type	By ID or Name of the element
		Value	New value
Clear Input	Clears the value of an input element	Session Name	Current session
		Window Title	Window in which to search for the element

		Search	Search parameter. Value depends on the Search type
		Search Type	By Automation ID or Name of the element
Get Value	Get Value of an element (Edit Box, Combo Box)	Session Name	Current session
		Window Title	Window in which to search for the element
		Search	Search parameter. Value depends on the Search type
		Search Type	By Automation ID or Name of the element
		Value	Return value
Get All Values	Get Values of all Window elements of type "Edit", „Combo Box" and "Radio Button"	Session Name	Current session
		Window Title	Window in which to search for the element
		Values	Dictionary with all values of the visible UI elements. Dictionary key either Automation ID or Name
Choose Menu Item	Select a menu item	Session Name	Current session
		Window Title	Window in which to search for the element
		Search	Search parameter. Value depends on the Search type. Should match the type, format <menu item> or if menu not expanded <menu>/<menu item>
		Search Type	By Automation ID or Name of the element
Click	Click on an Element	Session Name	Current session
		Window Title	Window in which to search for the element
		Search	Search parameter. Value depends on the Search type

		Search Type	By Access ID or Name of the element
Expand	Expand a “Menu Item” or “Combo Box”	Session Name	Current session
		Window Title	Window in which to search for the element
		Search	Search parameter. Value depends on the Search type
		Search Type	By Automation ID or Name of the element
Collapse	Collapse a “Menu Item” or “Combo Box”	Session Name	Current session
		Window Title	Window in which to search for the element
		Search	Search parameter. Value depends on the Search type
		Search Type	By Automation ID or Name of the element
Set Focus	Focus on a Window	Session Name	Current session
		Window Title	Window to focus on
Get Combo Box Options	Get Options of a combo box	Session Name	Current session
		Window Title	Window in which to search for the element
		Search	Search parameter. Value depends on the Search type
		Search Type	By Automation ID or Name of the element
		Value	List of options
Get Radio Button State	Get State of a radio button	Session Name	Current session
		Window Title	Window in which to search for the element
		Search	Search parameter. Value depends on the Search type

		Search Type	By Automation ID or Name of the element
		Value	Boolean value, true or false
Get State of a check box	Get Checkbox toggle state	Session Name	Current session
		Window Title	Window in which to search for the element
		Search	Search parameter. Value depends on the Search type
		Search Type	By Automation ID or Name of the element
		Value	String that contains the toggle state name

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	3.0.1	10/09/2021	Stefan Karsten	Initial version

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