



Browser Automation Package

Readme

Version 3.0.1 14/01/2024



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1. Introduction

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

1.1 Overview

This package is designed to simplify web automation tasks and builds upon the existing(Web Automation) package, adding new features and addressing common pain points like session management and WebDriver version alignment, JavaScript alerts and other features.

The package actions allow to automate tasks in Google Chrome or Microsoft Edge in a high performance and accurate way using JavaScript code. It is based on ChromeDriver, EdgeDriver and Selenium

https://chromedriver.chromium.org

https://developer.microsoft.com/en-us/microsoft-edge/tools/webdriver/

https://www.selenium.dev/

1.2 Use cases

The key use cases include:

- Automate tasks in web pages that are very dynamic or use HTML elements like shadowroot
- Build powerful JavaScript based automation
- Automation of tasks in applications such as Salesforce or ServiceNow becomes more reliable
- Automatic Webdriver Management
 One of the key enhancements of this package is its ability to automatically detect the
 browser version being used and download the appropriate webdriver. This eliminates the
 need for manual configuration and ensures seamless compatibility across various browser
 versions.
- Global Session Management
 The actions of this package can use a shared session variable, allowing you to reuse the same browser session across multiple bots. This not only improves efficiency but also reduces resource consumption by avoiding the need to open and close browser sessions repeatedly.
- Handling JavaScript Alerts
 Web applications often employ JavaScript alerts for various purposes. This package
 includes functionality to handle JavaScript alerts, ensuring that your automation scripts
 can interact with web applications that use them.

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- Enhanced Navigation Options
 Navigation within web applications is made more flexible with options to go back,
 forward, refresh, and open new tabs. These navigation features simplify interaction with
 complex web workflows.
- Improved Table Extraction
 The package addresses issues related to table extraction from HTML content. It includes fixes and enhancements that make it easier to extract data from tables in web pages.

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

Chrome or Edge web browser should be installed.

3. Getting Started

3.1 Quick Start

3.1.1 **Setup**

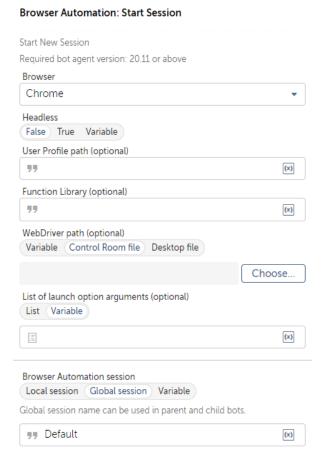
- •Install the package from Bot Store into your Control Room
- Enable the package named "Browser Automation" and set latest version as default
- Navigate to Bot Store\BrowserAutomation-BotDev to run and examine the demo.

Important Note for Community Edition Control Room Users

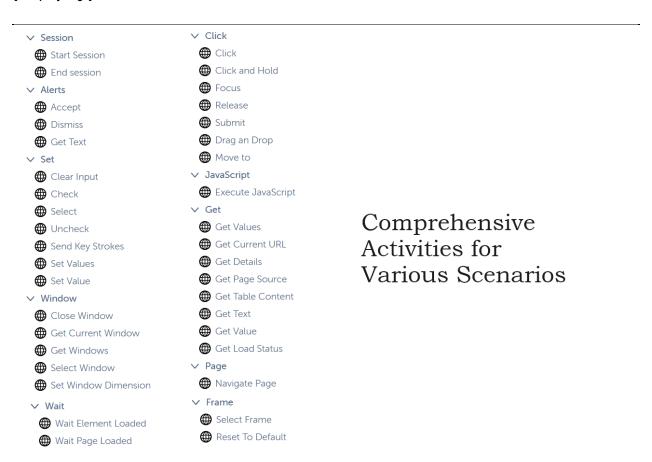
Warning: Please be aware that in the Community Edition Control Room, the system
does not automatically set the latest version of imported packages as the default. To
ensure you are using the latest and fully functional features, you must manually change
the package version to the latest version in every bot.

3.1.2 Configuration and Use

Start Browser Session: Select browser type and save the create a session variable/name. This variable/global session name can be used across child tasks to access this session. WebDriver path is optional and if not specified, matches installed browser version and uses updated driver version.



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General rules

All actions that have element interactions support the identification of the element by

- XPATH
- Element ID
- Tag Name
- CSS Selector
- JavaScript code

You get the XPATH, CSS Selector and JavaScript Code in the Chrome or Edge developer console, Press F12 and then navigate to the element, right click on it and choose Copy->Copy JS path or Selector or XPath. You find the tag name and ID (if exists) in the console as well.

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 <u>APeople</u> the <u>Bot Building Forum</u>, the <u>Bot Store Support Forum</u>,
 or the <u>Developers Everywhere Group</u>.
- Automation Anywhere also provides a <u>Product Documentation portal</u> which can be accessed for more information about our products and guidance on <u>Enterprise A2019</u>.

4.2 FAQs

You find more information about ChromeDriver, EdgeDriver and JavaScript selectors here https://chromedriver.chromium.org

https://developer.microsoft.com/en-us/microsoft-edge/tools/webdriver

https://developer.mozilla.org/en-US/docs/Web/API/Document/evaluate

https://developer.mozilla.org/en-US/docs/Web/API/Document/querySelector

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
1	3.0.2	21/01/2024	Sumit Kumar	

Appendix B: References

No.	Торіс	Reference Link
1	Overview of Enterprise A2019	Click <u>here</u>
2	Guidance: Building basic A2019 bots	Click <u>here</u>
3	Guidance: Building A2019 action packages	Click <u>here</u>
4	APeople Community Forum	Click <u>here</u>
5	Automation Anywhere University	Click <u>here</u>