AutomationEdge Plugins Release Notes

(Release 1.6)

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Contents

1 Introduction 1

2 Updating to Plugins R1.6 1

3 Release Artefacts 1

4 Supported Browsers 1

5 New Plugins in R1.6 2

5.1 Windows App GUI 2

5.2 VMWare 3

5.3 Office 365 3

6 Plugin Enhancements in R1.6 4

6.1 Web GUI Plugin 4

6.2 Machine Learning- Intent Entity Model Builder step 4

6.3 Surface plugin- Get Value step 4

7 Bug Fixes in R1.6 4

7.1 Bug Fixes in Advanced REST Client step 4

8 Known Issues in 1.6 5

9 Contact 6

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1 Introduction

AutomationEdge Plugins Release 1.6 includes new plugins, enhancements to existing plugins and provides fixes for some of the important bugs identified in the previous releases. This document lists the release artefacts, supported browsers, important bug fixes, security fixes and known issues in release 1.6.

2 Updating to Plugins R1.6

If OOTB-plugin needs to be upgraded, it is recommended that Agents are stopped before updating to Plugins R1.6 on AutomationEdge server. Agents can be started after all the plugins of R1.5 have been updated. Else it has been sometimes observed that, duplicate copies of plugins are created in the Agent file system after updating to Plugins R1.6.

3 Release Artefacts

The following are the AutomationEdge Plugin Release 1.6 artefacts.

- **plugins-distribution-1.6zip**
  - PS-plugins-1.6.zip
  - ITSM-plugins-1.6.zip
  - Database-plugins-1.6.zip
  - IT-plugins1.6.zip
  - Script-plugin1.6.zip
  - MachineLearning-plugins-1.6.zip
- **AutomationEdge_Plugin_Reference_Guide_R1.6.pdf**
  - This guide is a technical reference guide for all released plugins.

4 Supported Browsers

The following browser versions are supported for WebGUI Automation/WebSpy in Release 1.6.

Browser Support	Chrome	Firefox	IE
Release 1.6	57 to 84	38 to 47	8 to11

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5 New Plugins in R1.6

The following Plugin steps have been introduced in this release.

5.1 Windows App GUI

Windows Application GUI plugin steps are used for Windows Applications automation.

The following steps are being promoted from Beta and released in General Availability in Windows App GUI Plugin.

- Element Action
- Get Value
- Launch Application
- Mouse Action
- Set Value
- Windows Action

In addition to this, the following step in being introduced in Beta

- Get Table data [Beta]

Compatibility:

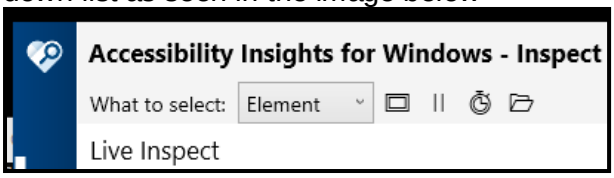
- Windows 7/8.1/10, Windows Server 2008/2012/2016

Prerequisites:

- Microsoft .NET Framework 4.5 or above

Check Plugin Support:

- You may check if your target application elements are supported by Windows Application GUI Plugin steps.
- Verify the target application elements against “Accessibility Insights for Windows” application.
- You may check only for Element accessibility. Choose criterion Element from the drop down list as seen in the image below



- Get more details in the following video, https://www.youtube.com/watch?v=BIu9ONdMGGg

Notes:

- You need to use Windows Spy to build a workflow with Windows Application GUI plugin steps. Refer AutomationEdge_Plugin_Reference_Guide_R1.6 for details.
- AutomationEdge Workflows with Windows Application GUI steps should be marked Sequential.

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5.2 VMWare

VMWare Plugin can be used for managing VMware vSphere - vCenter server.

The following Plugin steps have been introduced,

- Power On VM
- Power Off VM
- Suspend VM
- Shutdown VM

Compatibility: vSphere Web Client (Version 6.5.0.13000 Build 8024368)

Prerequisites:

- vCenter Server with access details.
- VMware certificate must be installed on the system where the Plugin steps are executed.

5.3 Office 365

Office 365 Plugin has been introduced in this release to perform tasks in an Office 365 account.

The following Plugin steps have been introduced,

- Add Member To Group.
- Remove Member From Group.
- Create Office 365 Group.
- Create Security Group.
- Reset Password.

Compatibility:

- Office 365(Office 365 Business Premium License) and Microsoft Graph REST API v1.0

Prerequisites:

- Microsoft Account with the required O365 App Authentication and Permissions (Refer Appendix 5).
- Tenant ID, Client ID and Client Secret should be known for Authentication.

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6 Plugin Enhancements in R1.6

6.1 Web GUI Plugin

An updated WebGUI plugin is available that now supports up to Chrome Release 84.x

6.2 Machine Learning- Intent Entity Model Builder step

A checkbox for toggling 'Use custom configuration file to build model?' and a dynamic field 'Custom Configuration FileName' which is editable when the checkbox is enabled, have been added in Machine learning - Intent Entity Model Builder step.

This gives users flexibility to provide a custom configuration file (.yml) to build model rather than using the inbuilt default configuration file used in the step.

6.3 Surface plugin- Get Value step

A check box to toggle 'Convert to grey scale' option has been added in Surface Get Value step configurations. In case the step is not able to read characters in an image accurately you may enable Convert to grey scale checkbox to fetch better results.

7 Bug Fixes in R1.6

7.1 Bug Fixes in Advanced REST Client step

7.1.1 Fixed an issue where Process Studio gave an error on Advanced REST Client step, when a file selection for upload using from-data was cancelled.

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8 Known Issues in 1.6

8.1.1 Advanced Rest Client configured with Get Request for File Download in a workflow, fails when executed on Linux Agent.

8.1.2 AD: Advanced Search Step does not return Groups without members (EmptyGroup) in search results when search criteria include Property Name - 'Members' and Search Condition- 'Not Present'.

8.1.3 Following are Windows Application GUI Plugin limitations

- JAVA APPLET and Custom Controls are not supported in this release.
- Limited Support available for GetTabledata step and SilverLight application in this release
- Mouse Action step Co-ordinate based drag-n-drop is not supported in this release.
- During Windows Spy, programs in Start Windows (Windows 10 and above) menu are not highlighted with a blue border but the elements are correctly detected in the Generate step dialog.
- In Launch Application step, the full path of the Windows Application executable (e.g. *.exe) is required since at times the shortcut (e.g. .ink files etc.) may not launch the application.
- Get Value and Set Value operations cannot be performed on Datagrid elements.
- Limited support for windows with blank title.
- Limited support for Windows Task Manager elements.
- Windows Action step cannot be used to spy on pop-up windows.

8.1.4 Advance GUI Automation Plugin step with a script for chrome automation fails if the agent path contains whitespaces.

8.1.5 In Process Studio prior to R5.3.0 if spy icon is pressed multiple times unnecessary multiple Web Spy toolbars are opened.

8.1.6 The following are limitations on setting 'Iterator name' in Start Loop step

- In Start Loop step The 'Iterator name' has to be specified in the step, it cannot be taken from Generate Rows or previous steps.
- Fields specified in 'Additional Fields' in the Start Loop step also cannot be used in 'Number of Iterations'.

8.1.7 A workflow having input file steps as well as a python script step may be exported from process studio with 'Add supporting file(s) to ZIP archive' unchecked. If such an exported workflow zip file is imported in AutomationEdge and executed; and if it fails due to a missing input file it throws an incorrect message.

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