AutomationEdge Plugins Release Notes

(Release 1.2)

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1 Introduction

AutomationEdge Plugins Release 1.2 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 1.2.

2 Updating to Plugins R1.2

If OOTB-plugin needs to be upgraded, it is recommended that Agents are stopped before updating to Plugins R1.2 on AutomationEdge server. Agents can be started after all the plugins of R1.2 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 R1.2.

3 Release Artefacts

The following are the AutomationEdge Plugin Release 1.2 artefacts.

- **plugins-distribution-1.2.zip**
  - PS-plugins-1.2.zip
  - ITSM-plugins-1.2.zip
  - Database-plugins-1.2.zip
  - IT-plugins1.2.zip
  - Script-plugin1.2.zip
  - MachineLearning-plugins-1.2.zip
- **AutomationEdge_Plugin_Reference_Guide_R1.2.pdf**
  - This guide is a technical reference guide for all released plugins.

4 Supported Browsers

The following browser versions are supported in Release 1.2.

4.1 Browsers for WebGUI Automation/WebSpy

The following browser versions are supported for WebGUI Automation/WebSpy in Release 1.2

Browser Support	Chrome	Firefox	IE
Release 1.2	57 to 79	38 to 47	8 to11

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5 Plugins Enhancements in 1.2

5.1 Desktop Spy

Chrome browser is required to run DesktopSpy for AE releases prior to R5.4.0. Earlier Desktop Spy opened up in a Chrome browser, which may not be readily available everywhere.

Desktop Plugin: Desktop Spy now opens in SWT browser. With the enhancement in this Release 5.4.0 the dependency on Chrome has been eliminated.

5.2 WebGUI Plugin

5.2.1 Moving WebSpy to WebGUI psplugin

WebSpy is now bundled with WebGUI Plugin.

Earlier WebGUI plugin was a package in psplugins while WebSpy was in Process Studio. This led to interdependency between WebGUI Plugin and Process Studio. A small change in functionality required release of both the components. To remove this interdependency, WebSpy has been moved to WebGUI Plugin.

Note: Whenever you sync WebGUI plugins you need to restart Process Studio.

5.2.2 WebSpy

Screen area usage by WebSpy has been reduced so that one can spy a web page with ease.

Earlier, WebSpy window had four sections- window selection, frame selection, attributes table and step generation form. All these sections may not be required simultaneously. Hence, the sections are split into multiple dialog boxes visible on demand.

5.2.2.1 WebSpy toolbar

"WebSpy toolbar" has been introduced as replacement of the earlier WebSpy Window. The new WebSpy toolbar is shown in the screenshot below.

This toolbar has options as listed in the table below.

Toolbar Icon	Icon Name
	Spy
Jobs - Recruitment - Job	Web Page Windows
	Refresh/Reload
	Display frames/frame tree
	Download Source
	Locate Element
	Move Toolbar

For further details about WebSpy refer Appendix4: Web Spy Tutorial in "AutomationEdge_Plugin_Reference_Guide_R1.2"

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5.2.2.2 Shortcuts

Several shortcut keys have been introduced for better enhanced usability of WebSpy. These are listed beow,

- *Ctrl+q* Close WebSpy toolbar
- *ALT+s* Spy
- *ALT+t* Frame Tree

5.2.2.3 Get Variables/fields from workflow previous steps as value during generation of Set Text/Get Text steps.

While Generating Set Text or Get Text Step through WebSpy, a Value or Output field name can be provided in a textbook. Earlier there was no support for accessing previous fields or variables in WebSpy Generate window.

5.2.2.4 Search web element using criteria in WebSpy

You can not only search Element Attributes but inversely also search an element in the browser page based on criteria(like X-Path, ID, Name etc.) with the Locate Element option on the WebSpy toolbar.

5.2.2.5 Relative X-Path and Absolute X-Path

We will provide an option to select an element Absolute X-Path along with the current relative X-Path option.

An additional Element Attribute Absolute X-Path other than X-Path (relative) has **been int**roduced in this release. It appears on the Generate Step window upon an element Spy.

Absolute X-Path cannot be used to Generate a step in Process Studio. Even if it is selected in the table it Generates a step with the relative X-Path. It is not available in the Criteria drop down list in the Generate step window either. If you need to Generate a step with Absolute X-Path,

- You may first Generate it with relative X-Path.
- Right Click on Absolute X-Path and select Copy.
- Now you may replace the value of the Generated X-Path with Absolute X-Path by pasting the copied value in the step in Process Studio.

Note: It is recommended to generally use the relative X-Path. In case X-Path is not giving the desired results you may replace relative X-Path with Absolute X-Path.

5.3 AutomationEdge Core- Manual Intervention step

Several new options are now available for configuring Manual Intervention step input fields. In addition to Display Name the following options are available: Type, Format, Secret, Display Only, Optional, List of Values, Default Value, Field Name and Tooltip Description. Secondly, there is another enhancement - A new field can be created or a field from a previous step in a workflow can be updated.

A detailed description of Manual Intervention step can be found in AutomationEdge_Plugin_Reference_Guide_R1.2

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5.4 AutomationEdge Core- Set Workflow Result

"Set Workflow Result" step has been enhanced for integration support. A new text field has been added for accepting a comma separated filename regex. These files would be available with the Service Request/Ticket on the Service Desk upon successful updation.

A detailed description of Set Workflow Result step can be found in AutomationEdge_Plugin_Reference_Guide_R1.2.

Note: This Plugin step can be used only from AE R5.4.0 with Integration support enhancement.

6 New Advanced Plugins in R1.2

Technical documentation of all plugin steps can be found in AutomationEdge_Plugin_Reference_Guide_R1.2.

6.1 Active Directory

The following new steps have been added to Active Directory plugin,

- Disable Account
- Is Account Disabled

6.2 AirWatch

A new plugin- 'AirWatch' has been introduced.

AirWatch plugin steps can be used for MDM (Mobile Device Management) in AirWatch. AirWatch plugin is designed to provide your IT department with the ability to quickly enroll users, devices, Apps, Content, Email and Telecom in your enterprise environment, configure and update device settings over-the-air, enforce security policies and compliance, secure mobile access to corporate resources, and remotely lock and wipe managed devices.

The following AirWatch Plugin steps are being released,

- AW: Add Enrollment User (Basic)
- AW: Add Enrollment User To User Group
- AW: Deactivate Enrollment User
- AW: Remove Enrollment User From User Group

6.3 Jira

The following new steps have been added to JIRA plugin,

- Jira: Delete Issue
- Jira: Link Issues
- Jira: Remove Label

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6.4 Jira Service Desk

A new plugin Jira Service Desk has been introduced with the following steps,

- Jira Service Desk: Create Customer Request
- Jira Service Desk: Update Customer Request

6.5 Machine Learning (ML)

The following Machine Learning (ML) Plugin steps are being released,

- Classification Model Builder
- Prediction
- Build Model For Intent Classification And Entity Extraction
- Intent Classification And Entity Extraction

The first two Machine Learning plugin steps (Classification Model Builder and Prediction) let you build a classification model and then use this model for prediction. These plugin steps solve classification type problem where value to be predicted takes a set of discrete values as opposed to continues values (when the value being predicted is a continuous variable, such problem is called as regression problem).

The last two Machine Learning plugin steps (Build Model for Intent Classification and Entity Extraction and Intent Classification and Entity Extraction) are for let you build a model for Intent Classification and Entity Extraction and then use this model for Intent Classification and Entity Extraction. Identification of Intent and entity has a huge variety of use cases in industry wherever there is a need to understand the intention behind the utterances from users and automate certain processes.

6.6 PDF Operations: PDF To Image

A new PDF Operations plugin step 'PDF to Image' has been introduced to convert PDF To image.

6.7 Windows

A new plugin Windows has been introduced to perform actions on a Windows OS machine.

The following plugin steps are released,

- Windows: Get Disk Utilization
- Windows: Pause Service

6.8 Web GUI plugin for Chrome up to version 79.x

An updated WebGUI plugin is available that supports chrome up to version 79.x.

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7 Bug Fixes in 1.2

7.1 Advanced REST Client

Advanced REST Client: Basic Authentication with variables/hard-coded values did not work sometimes.
This is fixed and basic Authentication is now working with variables/hard-coded values.

8 Known Issues in 1.2

8.1 Multiple WebSpy copies

In old Process Studio prior to R5.3.0 if spy icon is pressed multiple times multiple WebSpy toolbars are opened.

8.2 Process Studio – Start Loop

1. The 'Iterator name' has to be specified in the step and cannot be taken from Generate Rows or previous steps.
2. Fields specified in ‘Additional Fields’ cannot be used in ‘Number of Iterations’.

8.3 Workflow execution with Python Script and missing input file

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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9 Contact

AutomationEdge Technologies Inc

Website: https://automationedge.com

Email:

General: info@automationedge.com

Support: support@automationedge.com

Trainings: training.support@automationedge.com

Phone: +91 20 6632 1000

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