



AssistEdge Community Edition 18.0

Release Notes

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Revision List

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I have reviewed the document and approved the contents.

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1 Introduction

This release notes provide information about the AssistEdge RPA Community 18.0 release.

1.1 About AssistEdge Community Edition

AssistEdge RPA (Robotic Process Automation) is an end-to-end service for building and implementing RPA. While the core product caters to enterprise users, the AssistEdge RPA Community Edition is a version of the product specifically targeted for personalized automation. It is feature rich and easy to use with the following components:

- An AssistEdge Automation Studio to design a process automation.
- An integrated software robot, AssistEdge EVA Bot, to execute the automated tasks, with capabilities of setting up triggers for execution of the tasks.
- A Community Edition Dashboard, which helps the users get a unified view of their process run on the cloud, and compare their usage with the rest of the community.

The Community Edition is a blend of simplicity of a standalone Studio along with capability of Bot execution, scheduling, triggering, and monitoring capabilities of the RPA Enterprise version.

The Community Edition was launched for RPA enthusiasts to give them a feel and glimpse of application automations and working of AssistEdge RPA and familiarize them with the same.

With the Community Edition 18.0 release, users are now provided a platform to begin their automation journey on the cloud, with the introduction of the Community Edition Dashboard. The Dashboard provides users an aggregated, unified view of their process executions details. Users can now view their automation execution details from anywhere on the web. The Community Edition Dashboard also works as a one-stop destination to help users learn more and get acquainted with AssistEdge RPA and provide easy access to the AssistEdge Community Forum and AssistEdge Marketplace. In addition to this, AssistEdge 18.0 also introduces new features related to Intelligent Automation, which users can now leverage in the Community Edition.

With these new functionalities, users can easily automate day to day mundane / repetitive or time consuming tasks and use the version for their personalized automations, and monitor their transactions on the cloud.

1.2 Naming Conventions

Below are the naming conventions used in this document.

| Acronym | Expansion |
|---------|---------------------------|
| AE | AssistEdge |
| FOSS | Free Open Source Software |

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New Features and Enhancements

2.1 New Features

Here's the list of new features included in AssistEdge RPA Community Edition 18.0.

See also:

- [Enhancements](#)
- [Known Issues](#)

1. Automation Studio:

➤ Intelligent Automation Capabilities -

i. Cognitive Adapters

Introduction of cognitive capabilities in Studio. Users will now be able to use existing Microsoft Cognitive services / Microsoft AI suite adapters and Google Cognitive services API's within automation. All the services from Microsoft and Google can be used through the product.

ii. Computer Vision (NIA Vision)

Introduction of machine learning based computer vision capability of NIA Vision. This capability complements the OCR ability supported in the product (Tesseract, MS, Google, Abbyy) by providing area of interest or an object over which the OCR can be applied rather than the complete digital document. This improves the data extraction results. NIA Vision would require training through NIA Workbench which is outside the product.

iii. Albie Contextual Intelligence

This capability enables the process designers to design and deploy context based machine learning models as per the business use case. The models can then be called by digital workers in runtime to take contextual decisions. Initially, the models may have lower confidence on the decisions made. With continuous learning through feedback from process SMEs, the models can provide decision with acceptable confidence and thus extending the automation frontier.

➤ Other Automation Studio Features -

i. Simplified Installation

Product installation experience is significantly improved and installation is almost touch less. New users can go to the Community Edition Dashboard and opt to launch the Community Edition Platform on their new machine. This will start the download of the new Community Edition platform, followed by a simplified, almost touch-less installation process. The license is auto generated and applied, and on activation, the Automation Studio opens. Upgrade to latest version is also simplified with an in-place update option.

ii. **Advanced Loop**

Advance loop capability has been added in order to generalize and simplify iteration or looping capability for data in excel, data table, csv, plain text files as well as JSON input data. It also has the capability to filter the data based on conditions and thus making data set iteration more efficient.

iii. **View Application dependent processes**

This feature allows users to see the processes that are using the given application. This will help anticipate the impacted process when there is a change in the application.

iv. **Market Place Support**

Marketplace is a new sub-tab added under the Admin tab in Automation Studio. Skills available in AssistEdge Marketplace can be searched directly from the Automation Studio using the Marketplace sub-tab.

v. **Link to Community Forum**

A new link is provided in the studio for the users to access the Community Forum easily. Users can get in touch with other forum users easily, and get their queries resolved.

2. AssistEdge EVA Bot

i. **Go to Dashboard link**

In the new release, a link is provided in Eva Bot to allow users to access their Community Edition Dashboard from the Eva Bot window at any time. Apart from opening the Dashboard, clicking this link internally pushes the users' transaction data to the cloud, thereby giving a real-time process execution view on the Community Edition Dashboard.

3. AssistEdge Community Edition Dashboard

The new Community Edition 18.0 release provides users a platform to begin their Automation journey on the cloud, one of the most important components of this cloud journey being the Community Edition Dashboard. The Dashboard provides two main functionalities – allowing users to launch the Community Edition platform on their systems, and providing an aggregated, unified view of their process executions details. Users can now view their automation execution details from anywhere, thereby getting a Cloud experience. Apart from this, the Community Edition Dashboard also works as a one-stop destination to help users learn more and get acquainted with AssistEdge RPA and provide easy access to the AssistEdge Community Forum and AssistEdge Marketplace.

The AssistEdge Community Edition Dashboard page

i. **Launch Community Edition Platform**

The Launch option on the Community Edition Dashboard page provides users the dual functionalities of installation as well as use of the AssistEdge Community Edition platform. New users can download and install the Community Edition platform on their machines by selecting the Launch option. Existing users, on the other hand can open the Community Edition platform on their systems by selecting the Launch option. Existing users can also opt to download and install it on other machines by clicking the **Launch** button and selecting the “New Machine” option.

ii. **View and Analyze Automation Execution Details**

The AssistEdge Community Edition Dashboard provides users an analytical capability to view and drill-down details of their automation execution. Broadly, this is categorized in the following three sections on the page:

- a. **The Aggregated View section** – This is the header section where users can view their aggregated transaction details across all their machines. The following data is displayed here:
 - Total Number of Processes Automated till now
 - Total Number of Transactions Executed till now
 - Process Execution trend for the last week
- b. **Machine-wide statistics for a user** - Users can select a machine and time frame and accordingly view process execution details for each process like Total Transactions, Average Execution Time, and Success Rate. Users can further drill down and view transaction level details for each process like Transaction ID, Execution Time, Start/End Time, and Success/Failure Status for each transaction.

Note: The process execution data is pushed to the cloud every hour as long as the users are connected to the internet. Alternately, users can click the Go to Dashboard link in Eva Bot to push their data to the cloud and view the latest details on the Dashboard page.

- c. **Usage Highlights** – In this section, users can view the top activities that they have used in the Community Edition, as also the top activities used by the community as a whole. This encourages users to compare their usage with the rest of the community, and understand what activities are widely used by the community.

iii. **Learn and Collaborate**

The AssistEdge Community Edition Dashboard also provides the users easy access to learn the product and collaborate with others in the community. New users, with no process execution details are by default, taken through the “Learn” module on the screen where they can get started with Self Learning Videos, User Guides, and Practice Videos on the Dashboard. Once users start executing processes, the module gets minimized and users are shown their actual process execution details on the Dashboard screen. Users can choose to view these materials at any point of time by clicking the “Learn” option on the page. Apart from this, users now have quick access to the AssistEdge Community Forum to discuss and share their queries and suggestions with the community, as also reuse the skills of other expert users by accessing the AssistEdge Marketplace from the Dashboard.

iv. **EdgeVerve Bulletin Board**

Users can view marketing content like new offerings or new releases from EdgeVerve in the Bulletin Board section of the page.

v. **Logout option**

Users can log out of the Community Edition Dashboard

2.2 Enhancements

The following enhancements are implemented in AssistEdge RPA Community Edition 18.0.

1. Automation Studio:

➤ Codeless configurable automation activities for technologies –

i. Mainframe

Mainframe automation capability enhanced to support additional emulators - Rumba 9.5, EHLAPI, and Bluezone. This is in addition to the existing emulator support of Attachmate Extra Xtreme, Attachmate Reflection, and Passport emulators.

ii. Database Adapter

Augmenting the existing capability of database interactions automation capability, the DBApps plugin will now support invocation of stored procedures. In addition, user will now be able to add **Excel** as a data source and interact with the same using SQL queries. This capability helps handle operations on large excel files. Database adapter is enhanced to also support executing SQL queries in MySQL database

iii. Web Automation

The Studio provides automation tools to automate web applications and perform actions such as enter keywords for search, trigger search, read search results.

Our advanced web automation capabilities include the automation of:

- iframes and nested iframes
- Dynamic tables/ grids with ability to handle different pages from result set
- Automating control through Javascript invocation
- Support for automation based on additional parameters like, relative Xpath or creating manual selectors

Web automations now also support browser versions IE 5 – IE 7, Chrome v61- 68, Firefox 59.0 onwards, and Selenium 3.5 & above.

iv. SMTP email

Capability added for SMTP email activity to search, read, and move email. This is in addition to send email capability which was present earlier.

Automation of webmail like Gmail can be performed using this plugin.

v. Enhanced Web Services Adapter

Capability to work with SOAP API's. Soap Activity can be used to make soap web services over http(s) protocol hosted at a given endpoint.

vi. Enhancements to PDF capability:

Creating a pdf template has been further simplified, with the capability to auto identify columns of a table after marking the border. Additionally, PDF template has been made configurable by making the template name as an argument. This provides flexibility to users, during process configuration, to decipher and pass the template name at runtime. PDF automation capability is also extended to support automation of scanned PDF's. User can now extract data from a scanned PDF, and upload a scanned PDF with reference type of either image or text and extract information with a comparative view. Further we have also added a confidence

score argument for each extraction where user is intimated of the percentage accuracy of the extraction from the original document.

vii. Enhanced OCR support

The OCR support is now extended to include Advanced OCRs from MS, Google and Abbyy (Basic Cloud OCR service)

viii. Process Recorder

Process Recorder is now enabled for web automation. Process recorder has undergone a significant change in the UI. In the 18.0 release, we have included one-touch button to record, pause, or stop recording a process and export it seamlessly to the studio. User also has the option of reviewing the recording and edit it accordingly before exporting it.

ix. Application change support

Process designer can now search for the impact processes on the basis of changed applications or even the changed field in any of the application.

➤ **Revamped and simplified UX** – The user interface of Automation Studio has been revamped in order to make automation simpler and more intuitive with bringing in features as listed below:

i. Multimodal configuration

Ability to switch modes during configuration. Docking has been removed. Web and Windows apps configuration has been made easy.

ii. Intelli-sense

Auto suggestion of potentially usable functions or vb expressions in activities where user has to type parameters or expressions.

iii. Usage tips and Help for each activity

Studio messaging has been improved and made more intuitive. User will now have help information on the fly and will reduce dependency on support or search outside the product.

iv. Search within a process

Ability to do a word like search within a complex or simple process.

v. Commenting a step

User can now mark a step to be commented out while test run. This feature is useful for debugging.

vi. Validation of new types of data

Users can now add 2 new data types in Studio – Date and Email ID along with their validation.

➤ **Other Automation Studio Enhancements** –

i. Version Control

Version control capability has been further enhanced to:

- Maintain backup of work in progress or published versions of processes.
- Ease up process rollback to a previous version with Restore feature to seamlessly re-instate a previous version.

- Backup of up to 5 versions of deployed processes will be maintained in Automation Studio. User will be able to see the backed up process version in the 'Process. backups' tab in Automation Studio. The backed up version of the process can be restored at a later point of time using the migration capability.
- Process Decommission: User will be able to retire a deployed process which is dated and not in use any more using the Process Decommission capability. This process will also be eligible for deletion. This also serves a mechanism to temporarily take a process off production.

ii. **Debugging**

In the current release, we have added a couple of enhancements for the Studio's debugging module. Users have the ability to add breakpoints while debugging a process and also change the speed of debugging to closely monitor the process steps during testing. Ability to 'Step-in' and 'Step-over' activities and track the changes in the values of the variables/ arguments has also been added in this release.

3

FOSS and Third Party Components

AssistEdge Community Edition uses certain free Open Source Software which are the property of their respective owners and are licensed with their own licenses. For usage of any third party software, users need to procure the licenses for the software applications if they want to use, automate and abide by their terms of use.

The FOSS and Third Party Components details are available on the [EdgeVerve website](#).

4 Known Issues

Listed below are some known product issues observed.

- While automating some Windows application fields on Windows 10, the Container name needs to be updated from Desktop 1 to the appropriate name of the Windows application.
- For specific File Trigger scenarios where .xlsx file is being used as input and is also updated in the process, ***.xlsx** should be used as Regex filter.
- File Trigger scenarios do not work for updates to the file as well as pre-existing files present in the folder path.

5 More Resources

A link is provided in the studio for the users to access the Community Forum easily. Users can get in touch with other forum users easily, and get their queries resolved. Refer the AssistEdge Community page at <https://forum.assistedgerpa.com/>.

Thank you