

ABBYY



ABBYY Vantage

Connector for Automation Anywhere Guide

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About ABBYY Vantage Connector for Automation Anywhere

ABBYY Vantage provides content IQ skills that allow you to turn unstructured content into structured, actionable information using data classification and extraction technologies, as well as processing various types of documents, including invoices, orders, W2 forms, and more.

The ABBYY Vantage Connector for Automation Anywhere allows you to incorporate ABBYY Vantage skills into your bots.

System requirements

You will need an account with ABBYY Vantage to both configure and run your bots.

The ABBYY Vantage Connector for Automation Anywhere can be used with:

- ABBYY Vantage 2.1 or later
- Automation Anywhere Community Edition build 11513 or later
- Automation 360 v.21 (Build 11513) or later

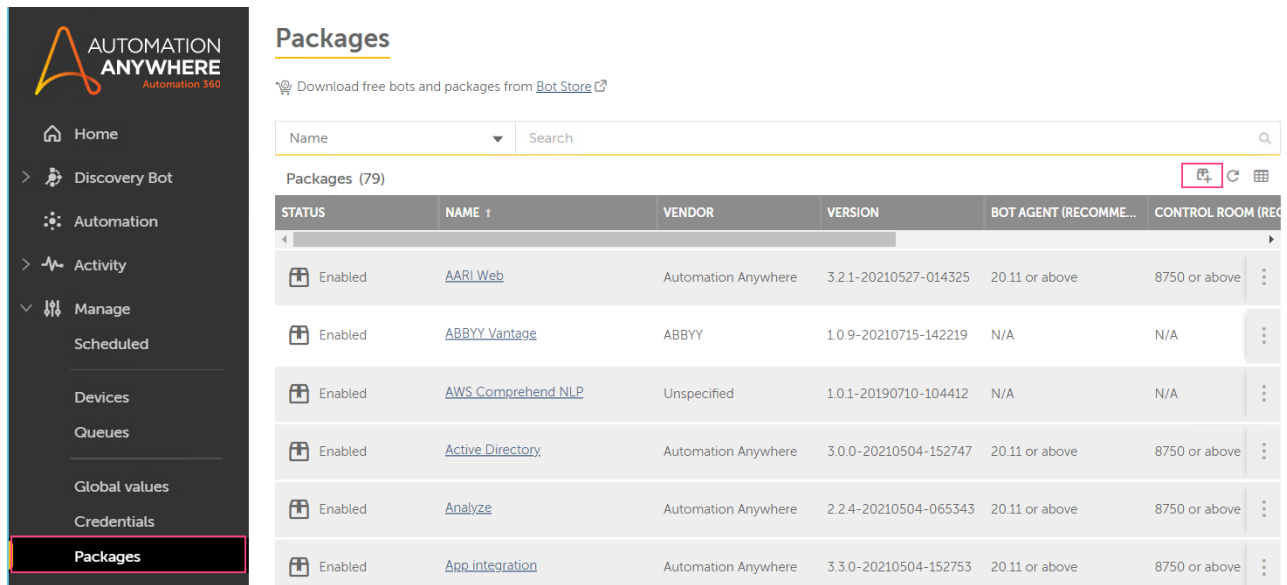
Installing the Connector

The ABBYY Vantage Connector for Automation Anywhere is a set of actions running on the Automation Anywhere side within the userdefined bot workflow. The actions are delivered as a JAR package and a sample Bot ZIP package.

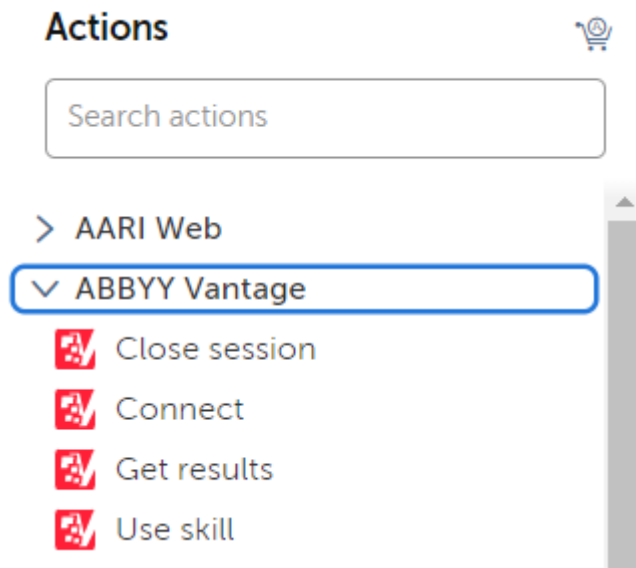
To install the ABBYY Vantage Connector for Automation 360 as a JAR package, perform the following steps:

 **Important!** Installing the connector requires administrator privileges.

1. Run the **ABBYYVantageConnectorForAutomationAnywhere.<version>.zip** archive and unpack the contents to any location.
2. Open your Automation Anywhere Control Room.
3. On the left panel of the Automation Anywhere Control Room, open the **Manage** → **Packages** section. Click the **Add package** button under the search text-box.



4. Choose the **abbyy-vantage-connector-for-automation-anywhere.<version>.jar** package from the Distribution Kit and confirm the installation.



5. The package will appear in the list of packages and in the **Actions** palette in the Bot editor.

If you use Automation Anywhere Community Edition, the only way to install ABBYY Vantage Connector for Automation Anywhere is to import a sample Task Bot that is shipped with ABBYY Vantage Connector for Automation Anywhere. This bot includes the ABBYY Vantage Connector package. All provided actions will be available after the bot has been imported.

If you use Automation 360, the sample bot will help you figure out how to configure the connector. Refer to the [Automation Anywhere sample bot](#) section for more details about the sample bot.

Using ABBYY Vantage skills in Automation Anywhere bots

The ABBYY Vantage Connector for Automation Anywhere lets your bot send data to ABBYY Vantage and process it using an available skill.

To view the available skills, create your own skills, or modify existing skills, you can use the ABBYY Vantage Skill Catalog or ABBYY Vantage Skill Designer. Refer to *ABBYY Vantage Skill Designer Guide* for more information on setting up skills.

The ABBYY Vantage Connector for Automation Anywhere delivers the following actions for working with ABBYY Vantage:

- [Connect](#)
- [Use skill](#)
- [Get results](#)
- [Close session](#)

To add an action to the Automation Anywhere bot, double-click or drag an action from the **Actions** palette to the Bot editor. After the action has been added to the bot logic, click the action to view the fields and features that you can configure in the **Action details** panel. For more details about the available actions, see the sections below.

The ABBYY Vantage Connector for Automation Anywhere is shipped with a sample bot that demonstrates how ABBYY Vantage actions can be used in your bots. For more information, see the [Automation Anywhere sample bot](#) section.

Connect action

The **Connect** action creates a connection to the ABBYY Vantage server with the specified parameters. All other ABBYY Vantage actions must be placed after the **Connect** action.

Action input parameters

Parameter	Type	Description
Server URL	String	The address of the ABBYY Vantage server.
Login	String / Credential	The login used to connect to ABBYY Vantage.
Password	String / Credential	The password used to connect to ABBYY Vantage. 📌 Note: A String-type password is not safe. It is recommended to use a Credential-type password.
Session name	String	The name of the connection that will be used further.
Client ID	String / Credential	The client identifier. If no value is specified, the default value will be used.
Client Secret	String / Credential	The client secret. If no value is specified, the default value will be used.
Tenant	String	The name or identifier of the tenant (if a user uses multiple tenants). If this parameter is not specified, the default

		connection will be used.
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Use skill action

The **Use skill** action calls the ABBYY Vantage skill and creates a transaction for processing a document(s).

Action input parameters

Parameter	Type	Description
Session name	String	The name of the connection entered in the preceding Connect action. It keeps the user's credentials and the ABBYY Vantage server address.
Skill name	String	The name of the Vantage skill that will be used for document(s) processing.
File	Record with File data type	<p>The file(s) to be processed by the skill.</p> <p>Note: Use the Desktop file option to specify the location of the file(s) you want to upload (e.g. <i>C:\InputFolder\Invoice.jpg</i>). Currently, the Control Room file option is not supported.</p> <p>Note: We recommend specifying this parameter via a variable.</p>
Files with file registration parameters	Table with String columns	<p>A table consisting of files to be processed by the skill and their corresponding registration parameters. The first column of the table represents the full path to the files you want to process. The remaining columns represent the files' registration parameters.</p> <p>The name of a registration parameter should be specified as the column name. The value of each parameter should be specified in the corresponding cell. If no value is specified for a registration parameter, the parameter will not be passed.</p>
Transaction registration parameters	Record with String data type	<p>A set of transaction registration parameters to pass the key and value of each parameter, where Name is the name of the parameter and Value is the value of the parameter.</p> <p>If Name or Value is not specified, an error will be displayed.</p>

Action output parameters

Parameter	Type	Description
transaction	Dictionary with String data type	A dictionary containing two string parameters: transactionId - the identifier of the created transaction,

		transactionStatus - the status of the transaction.
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Get results action

The **Get results** action monitors the status of a transaction and gets processing results from ABBYY Vantage.

Action input parameters

Parameter	Type	Description
Session name	String	The name of the connection entered in the preceding Connect action. It keeps the user's credentials and the ABBYY Vantage server address.
Transaction ID	String	The identifier of the transaction obtained as the output transaction{transactionId} parameter of the Use skill action.
Request timeout	Number	The period of time during which the transaction status is requested while it is in the Processing status. The value is measured in seconds.
Waiting time for a repeat request	Number	The frequency of the transaction status request. If no value is specified, the default value of 1 second will be used.
Download all files	Checkbox	Select this checkbox and specify the output folder to download the processing results. If the checkbox is selected but the folder is not specified, an error will be displayed. If the output folder is specified, but the checkbox is not selected, the download will not completed.
Path to download processing results	String	

Action output parameters

Processing results will be returned as a **Record** parameter containing the following keys:

Key	Type	Description
details	String	Additional information about the transaction.
status	String	The status of the transaction.
manualReviewLink	String	Link enabling users to review the processing results using the ABBYY Vantage Manual Review Client. This link can be obtained only when using a Process Skill that contains a Review activity.
error	String	The transactions' errors.
AllDocuments	Record	The results of processing all the documents of the transaction. A record is created for each document.

AllDocuments properties:

Key	Type	Description
businessRulesErrors	String	A list of business rule errors that were found during document processing.
IsResultClassConfident	String	The flag that indicates the confidence of the assigned class.
resultClass	String	The most confident class of the document.
classifications	Dictionary	A list of all the classes available in the applied Classification Skill, together with classification confidence.
extractedData	String	The JSON string with the processing results.
files	Record	All files in the Automation Anywhere format. To obtain these files, you need to download them first by marking the download checkbox and specifying the output folder.
values	Record	A set of Key-Value pairs for mapping the extracted fields' values and AA variables. If several instances of the repeatable non-table or table field have been detected on the document, the index is added to the name of each new instance. Indexing starts with 0, for example: field[0].
documentFullText	String	The full-text layer of a document that has been captured by ABBYY Vantage. <input checked="" type="checkbox"/> Note: If the skill configuration does not contain a full text export setting, this property will contain the default value. <input checked="" type="checkbox"/> Note: TXT export is only available for OCR or Processing Skills.

Close session action

The **Close session** action deletes a transaction and all of its associated data, and then closes the session. Call this action after you have obtained the processing results by means of the **Get Results** action.

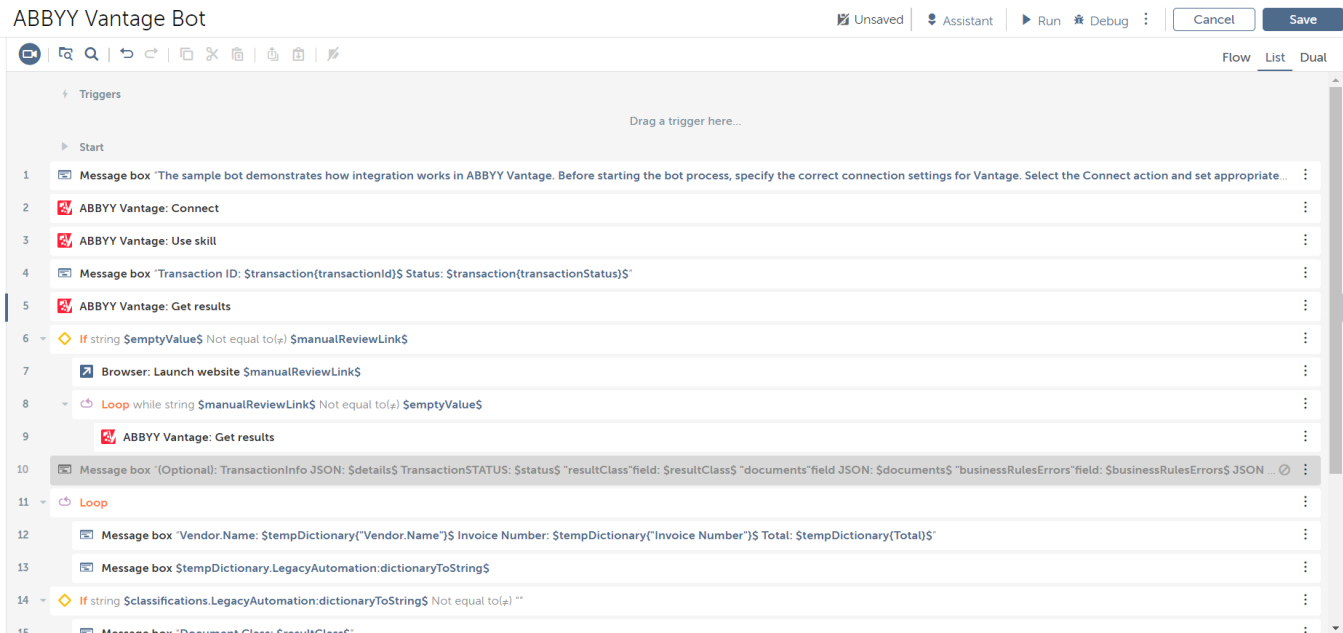
Action input parameters

Parameter	Type	Description
Session name	String	The name of the session entered during configuring the Connect action.

Transaction ID	String	The identifier of the transaction.
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Automation Anywhere sample bot

The ABBYY Vantage Connector for Automation Anywhere is shipped with a sample process that shows how to use the ABBYY Vantage actions in the bot logic. It is delivered as an Automation Anywhere bot called "ABBYY Vantage Bot."



To run the sample process, perform the following steps:

1. On the left panel of the Automation Anywhere Control Room, open the **Automation** section. Click the **Import bots...** button.
2. Navigate to the **VantageBot.zip** file that is located in the Distribution Kit and confirm the import.
3. Open the imported ABBYY Vantage bot.
4. In the Bot editor, select the **Connect** action to open the **Action details** panel. Specify the Server URL, Login, and Password fields. If these fields are not editable, [check out a Task Bot](#).
5. On **Variables** tab, open the **fileToProcess** variable and specify the full path to the file(s) you want to process.
6. On **Variables** tab, open the **outputDirFolder** variable and specify the path to the folder where you want the processing results to be downloaded.
7. Run the Task Bot by clicking **Run** in the upper right corner.

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