ABBYY Vantage

Certificate of Origin Document Skill Guide

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About ABBYY Vantage

ABBYY Vantage is a comprehensive Content Intelligence platform that provides AI-powered cognitive services and pre-trained and trainable skills that can "understand" business documents and extract actionable data and insights.

This no-code / low-code platform makes today's digital worker and processes smarter and empowers the new citizen developer to accelerate digital transformation initiatives and expand automation to new processes in a fast and simple way, making an immediate impact on business results and customer experience.

Types of documents that can be processed with Vantage

Vantage is capable of processing structured, semi-structured, and unstructured documents in a variety of input formats and languages.

- **Structured documents** are documents which always include the exact type of information in the exact same locations. One example of structured documents are pre-formatted forms.

- **Semi-structured documents** are documents which generally include the same or similar information, but in each document the location, size, and number of fields may vary from document to document. Examples of semi-structured documents are bills, payment orders, and invoices.

- **Unstructured documents** are documents which consist of continuous text. Required information is usually located inside a sentence that can be on any page of the document. Examples of unstructured documents are contracts, lease agreements, and e-mail messages.

Note: Use Advanced Designer to create skills for extracting data from unstructured documents.

The Vantage platform comes with a set of built-in skills, which can extract data from certain document types out-of-the-box (i.e. invoices, purchase orders, receipts, bills of lading, delivery notes). These skills can be adjusted according to specific requirements and further trained based on customer-specific documents.

Vantage users have also the option to design and train a completely new Document skill, Classification skill, and/or Process skill based on their own document set.

Certificate of Origin - Document Skill

The **Certificate of Origin** skill extracts data from certificates of origin, which are trade documents used by businesses, banks, and customs officials to attest a particular product's country of origin. Certificates of origin are used in various customs-related procedures, e.g. when determining the size of tariffs that need to be paid on specific goods or proving that goods are being exported/imported legally.

The Certificate of Origin skill is a production skill. It has been fully trained on a large document set and provides high accuracy of data identification and extraction. The skill is ready to be used in production and does not require further training on your specific documents.

Supported Languages

- English

- German

Extracted Fields

Field		Description
Certificate Number		The certificate number.
Serial Number		The certificate serial number. Documents rarely contain this field.
Country of Issue		The certificate country of issue.
Exporter	Name	Information about the exporter/manufacturer of the goods.
	Address	
Consignee	Name	Information about the importer/consignee of the goods.
	Address	
Means of Transport and Route	City of Origin	The city and country of origin.
	Country of Origin	
	City of Destination	The city and country of destination.
	Country of Destination	
	Means of Transport	The means of transport used to ship the goods. This field can also have several options that can be marked as its value.
	Departure Date	The departure date of the transport. This field has the following format: Month-Day-Year.
Invoice Numbers	Invoice Number	The invoice number and date. If two or more different invoice numbers are detected in a document, they are processed as instances of a repeating group. Each instance has its own corresponding invoice date (where applicable). If several invoice numbers are the same, only the first instance gets extracted.
	Invoice Date	
Marks and Numbers of Packages		Package marking and numbering.
Line Items (repeating group)	Position	The line item position number. Documents rarely contain this field.
	Numbers and Kind of Packages, Description of Goods	A general description of the goods and their packaging. If this field is not split into two different ones, everything within this field will be extracted as a single value.
	HS Code	The Harmonized System (HS) code.

Field		Description
	Origin Criterion	The Origin Criterion. Can have one of the following values: WO (wholly obtained - goods produced entirely within the borders of a signatory country), PE (produced exclusively from originating materials - goods produced entirely using originating materials from one or both signatory countries), PSR (goods satisfying product-specific rules - goods produced using non-originating materials that qualify as originating due to undergoing substantial transformation within the borders of a signatory country).
	Preference Criterion	The Preference Criterion. Statement regarding the origin of goods qualifying for preferential treatment under the NAFTA agreement. Can have one of the following values: A, B, C, D, E, F.
	Country of Origin	The country of origin of the goods.
	Quantity	The number of units of goods.
	UoM	The unit of measurement used for the goods (pieces, packs, etc.).
	Net Weight	The net weight of the goods.
	Gross Weight	The gross weight of the goods.
	Weight UoM	The unit of measurement for the weight of the goods (kilograms, pounds, etc.).
Weight		The total weight of the goods.
Weight UoM		The unit of measurement for the total weight of the goods (kilograms, pounds, etc.).

Key Fields

- Certificate Number

- Exporter/Name

- Consignee/Name

Using a Skill in ABBYY Vantage

To use a skill in ABBYY Vantage, you need to import it to your **Skill Catalog**.

To import a skill, open the **Skill Catalog** and click the ⬆ **Import** button in the toolbar. In the dialog box that will open, specify a path to the archive that contains the skill you are importing.

This skill will be uploaded to your **Skill Catalog** and published.

If the chosen archive is larger than 2 GB, you will see a dialog box with a link to a shared folder and its credentials.

You should open this folder and upload the archive. The skill will be imported to Vantage automatically. The archive will then be deleted from the shared folder. All files uploaded to this folder afterwards will be transferred to the exception folder. Hence you may use this folder to import only one skill. The folder remains active for 14 days.

The version of the imported skill will be 1.0. If such a skill previously existed in the tenant and was deleted, the version number of the deleted skill will be incremented and assigned to the imported skill. The version number of the imported built-in skills is always the same as at the time of export.

If the skill you are importing already exists in your **Skill Catalog**, ABBYY Vantage will display a warning message and will ask whether you want to create a new version of the existing skill or save the new skill under a different name. If you choose the latter, the new skill will be called *<Imported skill name New>*.

Note: Vantage supports the import of skills exported from Advanced Designer. However, such skills will only be trainable in Vantage if a Fast Learning activity was added to the document processing flow in Advanced Designer.

Importing a Document skill with data catalogs

Data catalogs exported with a skill are imported according to the table below:

Does a catalog with the same name exist in your tenant?		Import of the catalog	Import of the data (if data was exported)
No		The catalog is imported.	The data is imported.
Yes	The set of columns and their types are the same.	The catalog is not imported.	The data is imported. Previous data in the catalog is lost.
	The set of columns and/or their types differ.	The catalog is imported with the name <Catalog_name Skill_name>.	The data is imported.

Importing a Process skill

If you import a Process skill that was exported without referenced skills, you have to make sure that all the referenced skills exist in the **Skill Catalog**. If necessary, such skills should be imported before the Process skill, otherwise you'll get an error when importing the Process skill.

If you import a Process skill that was exported with referenced skills, they will be imported as follows:

- If such a skill exists in the Catalog, it will not be imported. The skill from the Catalog will be used, even if the skill in the import archive has a newer version.

- If a skill with the same name exists in the Catalog, the skill will be imported and renamed. The link in the Process skill will be updated.

If the imported skill has shared folder import set up, this feature needs to be enabled manually after the import.

🚩 **Note:** The availability of this feature depends on the user's role. For more information about roles, see Role-Based Access Control.

To publish a skill:

1. Select one by left-clicking it and then click 🚀**Publish** in the toolbar. This will open the Skill Designer's **Publish** tab, where you will have to fill out some information.

2. Click the **Publish Skill** button either at the bottom of the Skill Designer window or in the **Actions** pane.

🚩 **Note:** The availability of this feature depends on the user's role. For more information about roles, see Role-Based Access Control.

You can start using a skill right away or try it out on your documents first. To try out a skill, click the **Try** button in the **Skill Catalog**.

For more information on importing, publishing, or trying out skills, please refer to the ABBYY Vantage Skill Catalog Guide.

If a skill does not fully meet your processing requirements, you can edit it to suit your needs. For detailed instructions, please refer to the ABBYY Vantage Skill Designer Guide.