

ABBYY



ABBYY Vantage

Arrival Notice 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.

Arrival Notice - Document Skill

The **Arrival Notice** skill extracts key data from arrival notices in English. An arrival notice is a document sent to a consignee by a carrier, informing them about the shipment's arrival date at a specific location.

The Arrival Notice 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

Extracted Fields

Fields		Description
Shipper	Name	The shipper's name.
	Address	The shipper's address.
Consignee	Name	The consignee's name.
	Address	The consignee's address.
Notify party	Name	The name of the company to be notified of the arrival of the cargo.
	Address	The address of the company to be notified of the arrival of the cargo.
Carrier	Name	The carrier's name.
	SCAC Code	The Standard Carrier Alpha Code.
Bill to	Name	Information about the recipient of the invoice.
	Address	
Date		The date of the arrival notice.
Arrival Date		The arrival date of the shipment.
BoL Number		The number of the bill of lading representing the ownership of the goods.
House BoL Number		The number of the bill of lading created by an Ocean Transport Intermediary (OTI).
Purchase Order Number		The number of the purchase order.
Vessel Name		The name of the ship.
Voyage Number		The number of the voyage carrying the goods.
Port of Loading		The port where the goods are to be loaded.
Port of Discharge		The port where the goods are to be discharged.
Terminal		Terminal at the port of discharge where the ship arrived. The value of the field can be a name and address, or just a name.
Place of Receipt		The place of receipt of the goods.

Fields		Description
Place of Delivery		The place of delivery of the goods.
Containers not in Table - repeating group	Container Number	The number of the container.
	Seal Number	The number of the seal.
	Size/Type	The size and type of the container.
Containers	Container Number	<p>A table that contains information about containers.</p> <p>These fields refer to documents that describe multiple containers.</p>
	Seal Number	
	Seal Value	
	Size/Type	
	Number of Packages	
	Weight Metric	
	Weight UoM Metric	
	Weight Nonmetric	
	Weight UoM Nonmetric	
	Volume Metric	
	Volume UoM Metric	
Volume Nonmetric		
Volume UoM Nonmetric		
Arrival Date		
Weight	Weight Metric	The total metric weight of all containers.
	Weight UoM Metric	The unit of measurement used for the weight (kilos).

Fields		Description
	Weight Nonmetric	The total nonmetric weight of all containers.
	Weight UoM Nonmetric	The unit of measurement used for the weight (lbs).
Packages	Number of Packages	The total number of packages.
	Package Type	The package type. The value of this field can either be a name in full (e.g. "Palett") or a code (e.g. PLT).
Volume	Volume Metric	The total metric volume of all containers.
	Volume UoM Metric	The unit of measurement used for the volume (cubic meters).
	Volume Nonmetric	The total nonmetric volume of all containers.
	Volume UoM Nonmetric	The unit of measurement used for the volume (liters, cubic feet, etc.).
Amount	Total	The total price of the goods.
	Currency	The currency of the arrival notice.
Terms	Prepaid	The freight payment terms. Specifies which party is liable for paying the freight bill.
	Collect	<p>This is a checkmark field and can have one of the following values:</p> <ul style="list-style-type: none"> • Prepaid - the transport expenses are charged to the shipper, • Collect - the transport expenses are charged to the consignee.

Key Fields

- Shipper Name
- Consignee Name
- Arrival Date
- Port of Discharge


Validation Rules

Rule	Description
<p>Check or calculate Total Weight</p>	<p>If there is one container mentioned in the document, copies the values of either the Weight Metric or the Weight Nonmetric fields in the table in the Containers group to the Weight Metric or Weight Nonmetric fields.</p> <p>If there are several containers mentioned in the document, checks if the values of the Weight Metric or Weight Nonmetric fields are equal to the sum of the values in the Weight Metric or Weight Nonmetric fields in the table in the Containers group. If the values do not match or if the Weight Metric or Weight Nonmetric fields are empty, the rule prompts you to populate them with the calculated value.</p>
<p>Copy weight UoM</p>	<p>If the Weight UoM Metric or Weight UoM Nonmetric fields in the Weight group are empty, copies the values of the Weight UoM Metric or Weight UoM Nonmetric fields from the table in the Containers group, and vice versa.</p> <p>If the table contains several values for the Weight UoM Metric and Weight UoM Nonmetric fields and there are no values for the Weight UoM Metric and Weight UoM Nonmetric fields in the Weight group, the rule prompts you to select one of the values.</p>
<p>Check or calculate Total Volume</p>	<p>If there is one container mentioned in the document, copies the value of the Volume Metric or Volume Nonmetric fields in the table in the Containers group to the Volume Metric or Volume Nonmetric fields.</p> <p>If there are several containers mentioned in the document, checks if the value of the Volume Metric or Volume Nonmetric fields equal the sum of the values in Volume Metric or Volume Nonmetric fields in the table in the Containers group. If the values do not match or if the Volume Metric or Volume Nonmetric fields are empty, the rule prompts you to populate them with the calculated values.</p>
<p>Copy volume UoM</p>	<p>If the Volume UoM Metric or Volume UoM Nonmetric fields in the Volume group are empty,</p>

Rule	Description
	<p>copies the values of the Volume UoM Metric or Volume UoM Nonmetric fields from the table in the Containers group, and vice versa.</p> <p>If the table contains several values for the Volume UoM Metric and Volume UoM Nonmetric fields and there are no values for the Volume UoM Metric and Volume UoM Nonmetric fields in the Volume group, the rule prompts you to select one of the values.</p>
<p>Check or calculate Total Packages</p>	<p>If there is one container mentioned in the document, copies the value of the Number of Packages field in the Containers group to the Number of Packages field in the Packages group.</p> <p>If there are several containers mentioned in the document, checks if the value of the Number of Packages field in the Packages group is equal to the sum of the values in the Number of Packages field in the Containers group. If the values do not match or if the Number of Packages field in the Packages group is empty, the rule prompts you to populate it with the calculated value.</p>

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.

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