ABBYY

ABBYY Vantage

Delivery Note 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.

Delivery Note - Document Skill

The **Delivery Note** skill is designed for extracting data from delivery notes. A delivery note is a transport document that accompanies transported goods. This document contains information about the transported goods, as well as about the vendor and the buyer. Information specified in delivery notes may be required for electronic transportation records and other customs-related transport documents such as bills of lading.

The Delivery Note skill is a preview skill. It has been trained on a small document set and is intended to be used by citizen developers as a quick-start basis for processing delivery notes. The skill may require further training on your specific documents in order to be used in production scenarios.

Supported Languages

- English

- German

- French

Extracted Fields

Field		Description
Buyer	Buyer ID	The unique identifier of the buyer in an external system.
	Name	The name of the buyer.
	Address	The address of the buyer.
	Tax ID	The international tax ID of the buyer.
	IBAN	The international bank account number of the buyer.
Vendor	Vendor ID	The unique identifier of the vendor in an external system.
	Name*	The name of the vendor.
	Address	The address of the vendor.
	Tax ID	The international tax ID of the vendor.
	National Tax ID	The national tax ID of the vendor.
	IBAN	The international bank account number of the vendor.
	Bank Code	The bank code of the vendor.
	Bank Account	The bank account number of the vendor.
Ship to	Name	The delivery address.
	Address	
Bill to	Name	The address where the invoice should be sent.
	Address	
Delivery Note Number*		The number of the delivery note.
Delivery Note Date*		The date on which the delivery note was issued.
Delivery Date		The date on which the goods are expected to be delivered.
Due Date		The date on which the goods are expected to arrive at the delivery address.
Shipping Date		The date on which the goods are shipped.

Field		Description
Purchaser Name		The name of the buyer.
Purchase Order Number		The purchase order number (if one is specified in the document).
Purchase Order Date		The date when the purchase order was created.
Invoice Number		The invoice number (if one is specified in the document).
Delivery Terms		The delivery terms.
Amounts	Total*	The total amount specified in the delivery note.
	Currency	The currency of the total amount.
Taxes (repeating group)	Tax	The total tax amount.
Additional Costs	Additional Cost	The total additional charges.
Total Net Weight		The total net weight of the goods.
Total Gross Weight		The total gross weight of the goods.
Weight Unit of Measurement		The unit of measurement for the weight of the goods (kilograms, pounds, etc.).
Line Items (repeating group)	Item Number	The item number.
	Order Number	The order number.
	Article Number	The article number.
	Description	A description of the line item.
	Quantity Ordered	The number of units ordered.
	Unit Price	The price of one item of goods.
	Total Price	The price of the line item including tax.
	Currency	The currency of the line item.
	Delivery Date	The planned delivery date for the line item.
	Quantity Delivered	The number of units delivered.
	Unit of Measurement	The unit of measurement used for the goods.
	Net Weight	The net weight of the line item.

Field		Description
	Gross Weight	The gross weight of the line item.
	Weight Unit of Measurement	The unit of measurement for the weight of the line item (kilograms, pounds, etc.).
	Serial Number	A unique identifier assigned to each item of goods. All serial numbers can be extracted together as a single field.
	Batch Number	A unique identifier assigned to a specific group or batch of items that are being transported or delivered together.
	EAN Number	A unique identifier from the European Article Numbering (EAN) system. The EAN number typically refers to the barcode associated with the specific product being shipped or delivered.

*Required field or field group: values cannot be empty.

Key Fields

- Buyer/Name

- Vendor/Name

- Delivery Note Number

- Delivery Note Date

- Total

Validation Rules

Rule	Description
Total gross weight: Fill from Line Items	If the **Total Gross Weight** field is empty, the rule will populate that field with the value specified for **Total Gross Weight** in Line Items.
Total net weight: Fill from Line Items	If the **Total Net Weight** field is empty, the rule will populate that field with the value specified for **Total Net Weight** in Line Items.
Separate currency from amount in money fields	Splits the amount and the currency in a field containing an amount of money, and copies the currency into the **Currency** field if it is empty.
Sum of Line Items amount should be equal to Total	Adds up the amounts in the line items, applies the additional charges, and checks that the result is

Rule	Description
	equal to the **Total** amount of the delivery note.
Separate currency from amount in Line Items money field	Splits the amount and the currency in **Line Items** fields, and copies the currency into the **Currency** field if it is empty.
Check item amount	Multiplies the number of units in the line item by the price of one unit, applies the discount, and checks that the result is equal to the total price of the line item.
Copy Delivery Notes and Line Items currency	If the **Currency** field is empty, the rule will populate that field with the currency indicated in the **Currency** field in **Line Items**. Likewise, the rule will populate the **Currency** field in **Line Items** with the currency from the main **Currency** field. The rule can also populate the **Currency** field using the country of the buyer (if it has been detected). Only values matching one of the following currency codes will be copied: USD, EUR, CHF, CZK, GBP, PLN, RUB, HUF, CAD, AUD, NZD, JPY, CNY, DKK, NOK, SEK, BGN, HRK, MDL, RON, or RSD. If the currency is marked using the $, €, US$, CA$, AU$, NZ$, or £ symbols, the value will still be copied, but it will be normalized to the standard value (i.e. USD, EUR, etc.).
Check currency value	Checks that the value of the **Currency** field corresponds to the currency format. If the field is empty or if the value does not correspond to the currency format, adds a list of suggested values.
Check line item currency value	Checks that the value of the **Currency** field in **Line Items** corresponds to the currency format. If the field is empty or if the value does not correspond to the currency format, adds a list of suggested values.
Delivery Note Number is required	Checks that the **Delivery Note Number** field is not empty.

Rule	Description
Delivery Note Date is required	Checks that the **Delivery Note Date** field is not empty.
Total is required	Checks that the **Total** field is not empty.
Currency is required	Checks that the **Currency** field is not empty.
Vendor VATID is required	Checks that the **Vendor VATID** field is not empty.

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.

Does a catalog with the same name exist in your tenant?		Import of the catalog	Import of the data (if data was exported)
	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.