

**ABBYY**



# ABBYY Vantage

## Remittance Advice 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.

## Remittance Advice - Document Skill

The **Remittance Advice** skill extracts data from remittance advice notifications. A remittance advice is a letter sent by the client to the vendor to confirm that an invoice has been paid by the client. A remittance advice can also be accompanied by an invoice or a receipt.

The Remittance Advice 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.

### Countries and Languages

Countries	Languages
<ul style="list-style-type: none"> <li>• USA</li> </ul>	English

Countries	Languages
<ul style="list-style-type: none"> <li>• Australia</li> <li>• New Zealand</li> </ul>	

## Extracted Fields

Field		Description
Customer	Customer ID as Printed	The client/customer identifier in the document.
	Name*	Information about the customer sending the remittance advice.
	Address	
Vendor	Vendor ID as Printed	The vendor's identifier in the document.
	Name	Information about the vendor receiving the remittance advice.
	Address	
Payment information  <i>If a receipt was received together with a remittance advice, these fields can also be extracted from the receipt.</i>	Payment Number	The payment registration or invoice number.
	Payment Date	The payment or invoice date.
	Payment Amount*	The payment amount.  Sometimes, the values of <b>Payment Amount</b> and <b>Total</b> are identical, seeing as the amount is only specified once. If there are two amounts in the document, the <b>Compare Total and Payment Amount</b> rule is used.
	Currency	The currency of the payment.
Total		The total amount paid.
Bank Key		The bank identifier. This field is optional and may have the name of the bank as its value if no bank identifier is found.
Line Items (repeating group)	Invoice Number*	The number of the invoice.
	Invoice Date	The date on which the invoice was issued.
	Paid Amount	The total invoice amount paid.

Field		Description
	Invoice Amount	The total invoice amount. Usually, the values for <b>Amount</b> and <b>Invoice Amount</b> are identical, in which case the amount will only be specified once on the document. Sometimes, these values may differ. This may happen, for example, if the client is offered a discount. In this case, both amounts will be specified.
	Discount	The discount applicable to the invoice amount.
	Type	<p>The invoice type. There are two types of invoices:</p> <ol style="list-style-type: none"> <li>1. Debit – increases the total invoice amount,</li> <li>2. Credit – decreases the total invoice amount.</li> </ol> <p>This field is optional and may have one of the following values:</p> <ul style="list-style-type: none"> <li>• - (negative) or + (positive),</li> <li>• D (Debit) or C (Credit) if the remittance advice is in English.</li> </ul>
	Customer ID	The client/customer identifier.

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

## Key Fields

- Customer/Name
- Vendor/Name
- Payment Number
- Total
- Payment Information/Currency


## Validation Rules

Rule	Description
Check or fill Total	<p>If the total amount paid is not specified in the document, sets the value of <b>Total</b> to be the total invoice amount paid (<b>Line Items/Paid Amount</b>).</p> <p>If the total amount paid is specified, checks that it is equal to the total invoice amount paid (<b>Line Items/Paid Amount</b>).</p> <p>If the value of <b>Line Items/Type</b> is <b>Credit</b>, then the positive value of <b>Line Items/PaidAmount</b> is</p>

Rule	Description
	considered to be negative for that line item when calculating the total invoice amount paid.
Compare Total and Payment Amount	Checks that the total amount paid ( <b>Total</b> ) is equal to the payment amount ( <b>Payment Amount</b> ).
Check payments with discounts	Checks if the total amount paid ( <b>Line Items/Paid Amount</b> ) is equal to the total invoice amount ( <b>Line Items/Invoice Amount</b> ) minus the <b>Discount</b> .
Normalize currency to 3-digits code	Normalizes the value of the <b>Currency</b> field to a three-digit currency code.

## 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.

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