

**ABBYY**



# ABBYY Vantage

## Loan Application Document Skill Guide

**Table of Contents**

**About ABBYY Vantage ..... 3**

**Loan Application - Document Skill ..... 3**

    Countries and Languages ..... 3

    Extracted Fields ..... 4

    Key Fields ..... 6

    Validation Rules ..... 6

**Using a Skill in ABBYY Vantage ..... 6**

# 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.

# Loan Application - Document Skill

The **Loan Application** skill extracts data from Forms 1003, completed as part of mortgage loan applications. A fully completed Form 1003 contains personal information about the borrower and co-borrower, the loan terms, as well as information about the property being financed.

The Loan Application 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 loan applications. The skill may require further training on your specific documents in order to be used in production scenarios.

## Countries and Languages

Countries	Languages
USA	English

## Extracted Fields

Field		Description
Terms of Loan and Property Information		
Type of Mortgage	Mortgage Applied for	Mortgage type.
	Agency Case Number	Mortgage identifier in MISMO format.
	Lender Case Number	The lender's internal system mortgage identifier.
Terms of Loan	Amount	The total amount of the loan.
	Interest Rate	The interest rate.
	Number of Months	The term of the loan (in months).
	Amortization Type	The loan payment type.
Property Information	Subject Property Address	The address of the financed property.
	Number of Units	The number of property units being financed (e.g., number of apartments).
	Legal Description of Subject Property	A legal description of the financed property (e.g., number of rooms, property size, the year the property was built in, etc.).
Purpose of Loan		The purpose of the loan (purchase, construction, refinance, etc.).
Property Will Be		The purpose of the financed property.
Borrower Information		
Borrower Information	Borrower's Name	The borrower's name.
	SSN	The borrower's Social Security Number.
	Home Phone	The borrower's home phone number.
	Date of Birth	The borrower's date of birth.
Borrower Employment Information	Name of Employer	The name of the borrower's employing organization.
	Address of Employer	The address of the borrower's employing organization.
	Position	The borrower's job position.

Field		Description
	Years in Job	How long the borrower has worked for the organization.
	Dates	The borrower's employment start and end dates.
	Self Employed	Specifies whether the borrower is self-employed.
<b>Co-Borrower Information</b>		
Co-Borrower Information	Co-Borrower's Name	The co-borrower's name.
	SSN	The co-borrower's Social Security Number.
	Home Phone	The co-borrower's home phone number.
	Date of Birth	The co-borrower's date of birth.
Co-Borrower Employment Information	Name of Employer	The name of the co-borrower's employing organization.
	Address of Employer	The address of the co-borrower's employing organization.
	Position	The co-borrower's job position.
	Years in Job	How long the co-borrower has worked for the organization.
	Dates	The co-borrower's employment start and end dates.
	Self Employed	Specifies whether the co-borrower is self-employed.
<b>Income and Expenses</b>		
Monthly Income and Housing Expense	Gross Monthly Income (Borrower)	The borrower's monthly income before taxes.
	Gross Monthly Income (Co-Borrower)	The co-borrower's monthly income before taxes.
	Gross Monthly Income Total	The combined monthly income of the borrowers.
	Combined Monthly Housing Expense Total (Present)	The current combined monthly housing expenses of the borrowers.

Field		Description
	Combined Monthly Housing Expense Total (Proposed)	The proposed combined monthly housing expenses of the borrowers.
Assets and Liabilities	Total Assets	The total combined assets of the borrowers (monetary value).
	Total Liabilities	The total combined liabilities of the borrowers (monetary value).
	Net Worth	The total combined net worth of the borrowers ( <b>Total Assets – Total Liabilities</b> ).
Details of Transaction		
Details of Transaction	Box a - Purchase Price	The purchase price of the financed property.
	Box i - Total Costs	The total cost of the financed property, including all additional charges (e.g., insurance fees).
	Box o - Loan Amount	The total amount loaned out.
Loan Origination Company's Name		The name of the lending organization.

### Key Fields


- Lender Case Number
- Amount
- Borrower's Name
- Borrower Information/SSN

### Validation Rules

Rule	Description
Check Checkmark Borrower	Sets the Borrower <b>Employment Information/Self Employed</b> field to <b>false</b> if marked as “N” on the form.
Check Checkmark CoBorrower	Sets the Co-Borrower <b>Employment Information/Self Employed</b> field to <b>false</b> if marked as “N” on the form.

### 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.



ABBYY Vantage © 2024 ABBYY Development, Inc.

ABBYY, ABBYY Vantage, Vantage are either registered trademarks or trademarks of ABBYY Development Inc. and/or its affiliates in the USA or other countries. These designations can also be logos, product or company names (or part of any of the above) of ABBYY Development Inc. and/or its affiliates and may not be used without consent of their respective owners.

Information in this document is subject to change without notice and does not bear any commitment on the part of ABBYY.

The software described in this document is supplied under a license agreement. The software may only be used or copied in strict accordance with the terms of the agreement. It is a breach of the United States copyright law and international laws to copy the software onto any medium unless specifically allowed in the license agreement or nondisclosure agreements.

No part of this document may be reproduced or transmitted in any form or by any means, electronic or other, for any purpose, without the express written permission of ABBYY.