

d.veLop

document intelligence hub:
Administration

Table of Contents

1. document intelligence hub: Administration	3
1.1. Basic information about the application	3
1.1.1. About document intelligence hub	3
1.2. Configuration	3
1.2.1. Useful information about AI providers and models	3
1.2.2. Setting up data extraction for a document type	3
1.2.3. How does the data extraction work?	3
1.3. Additional information sources and imprint	4

1. document intelligence hub: Administration

1.1. Basic information about the application

This chapter contains notes about the product along with general information.

1.1.1. About document intelligence hub

document intelligence hub serves as a central interface for extracting metadata from your documents using artificial intelligence (AI). You can connect various AI providers. You can also flexibly configure for each document type which service is to be used for the data extraction. This enables automated and intelligent data extraction for your documents.

1.2. Configuration

This chapter contains information on configuring document intelligence hub.

1.2.1. Useful information about AI providers and models

To extract data from a document, document intelligence hub requires connected AI providers. Each provider is registered via a corresponding gateway app. The d.velop pilot service is available by default and does not need to be registered separately.

There are basically two types of AI providers:

- **Providers with fixed models:** These providers offer fixed models, which you can assign directly to a document type in the configuration.
- **Dynamic providers:** With these providers, the data extraction model is generated dynamically based on your configuration. You do not select a fixed model. Instead, you define directly which properties are to be extracted. Using additional prompts, you can further individualize the recognition.

1.2.2. Setting up data extraction for a document type

You specify for each document type individually how the data extraction is to be performed.

This is how it works

1. Select the relevant document type in your configuration interface.
2. Assign an available AI provider to the document type.
 - If the provider offers fixed models, also select the appropriate model.
 - If you are using a dynamic provider, you can activate the desired properties for the extraction and, if necessary, define your own prompts.
3. Specify the output format for the extracted data.

1.2.3. How does the data extraction work?

The data extraction process runs asynchronously in the background.

1. An application (e.g. d.velop document reader or d.velop index app) sends a request with a document to document intelligence hub. This request contains the document type and a link (callback) for the later receipt of the results.
2. document intelligence hub checks which AI provider and model are configured for the specified document type.
3. The request is forwarded to the relevant gateway app of the AI provider. The app sends the request to the corresponding AI provider.

4. Once the AI provider has completed the data extraction, the results are sent back to document intelligence hub via the gateway app. document intelligence hub then forwards the extracted metadata to the callback link from step 1.

1.3. Additional information sources and imprint

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