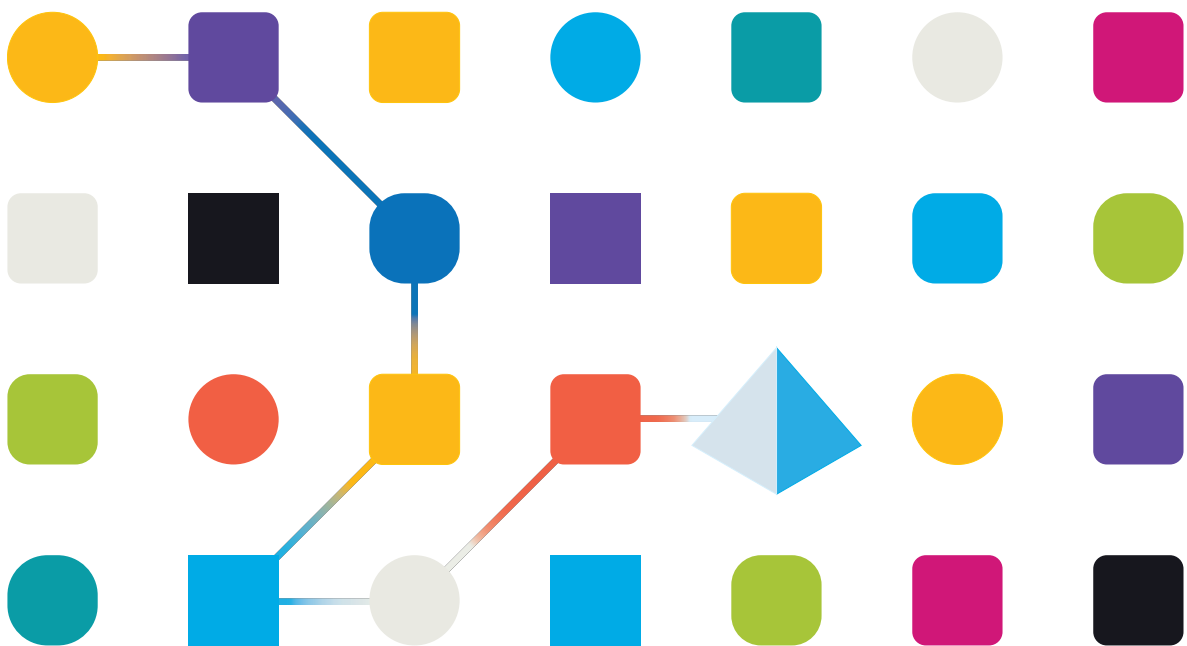


# blueprism<sup>®</sup>

## Blue Prism Cloud 4.1

### User Guide

Document Revision: 1.0



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## IADA.ai

This document details how to utilize the Intelligent Automated Digital Assistant (IADA) Visual Business Object (VBO) – IADA.ai.

The IADA.ai VBO is available for use with Blue Prism Cloud and has the following Intelligent Automation Skills available:

- Language translation
- Normalization
- Sentiment analysis
- Language detection
- Text analysis
- Extraction of key phrases.

## Prerequisites

IADA.ai needs to be installed and configured. To do this:

- Download the VBO file from the Blue Prism Digital Exchange (DX), and import the file into Blue Prism.

The release file contains one VBO utility file, Utility – IADA.ai and three SOAP Web Services.

- Configure the web services.

Credentials need to be added for each of the services, see [Enter the credentials](#) below. Credentials can be obtained from the Blue Prism Cloud Support team and are associated with the subscription service that Blue Prism Cloud provides for you.

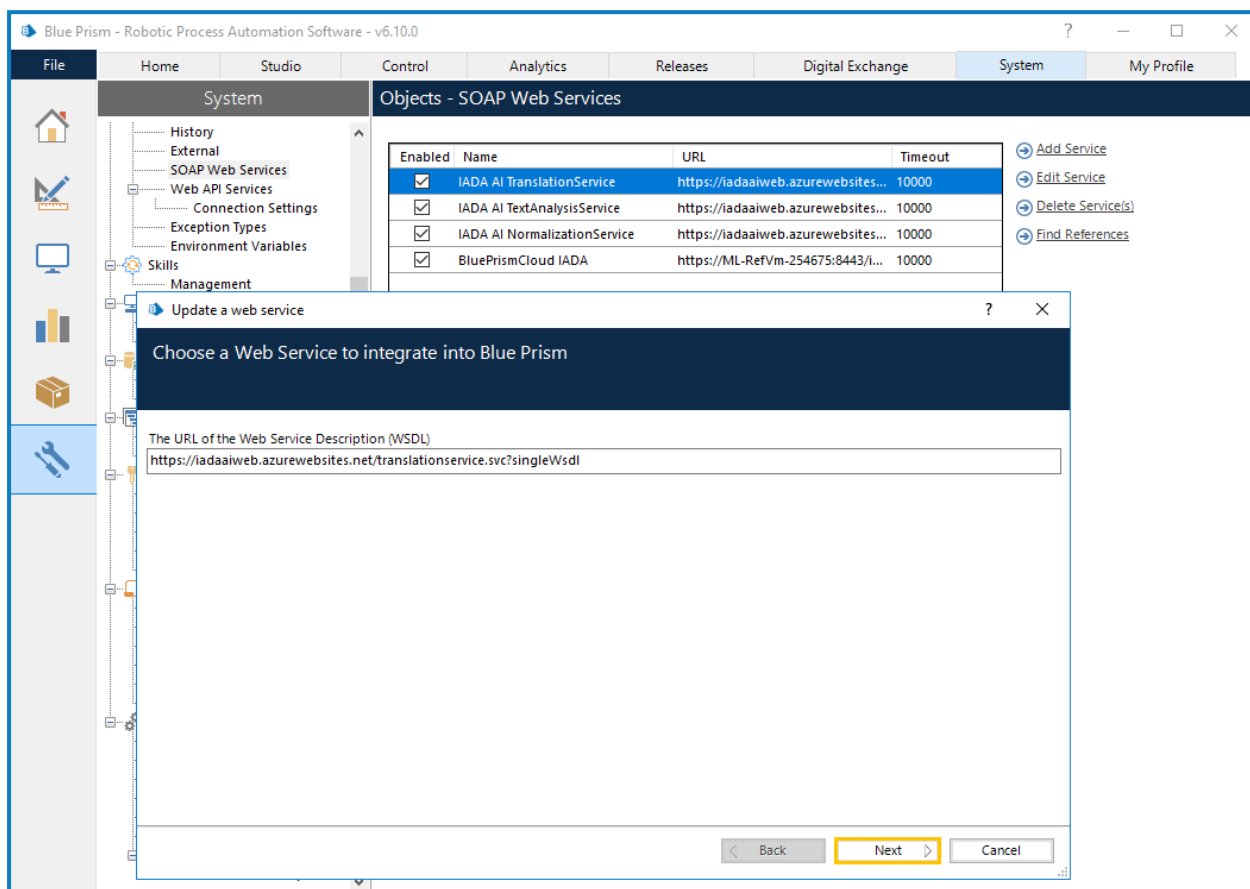
## Enter the credentials

1. In the System > Objects - SOAP Web Services screen in Blue Prism, select the service to be configured. The services are:
  - IADA.AI.TranslationService
  - IADA.AI.TextAnalysisService
  - IADA.AI.NormalizationService.

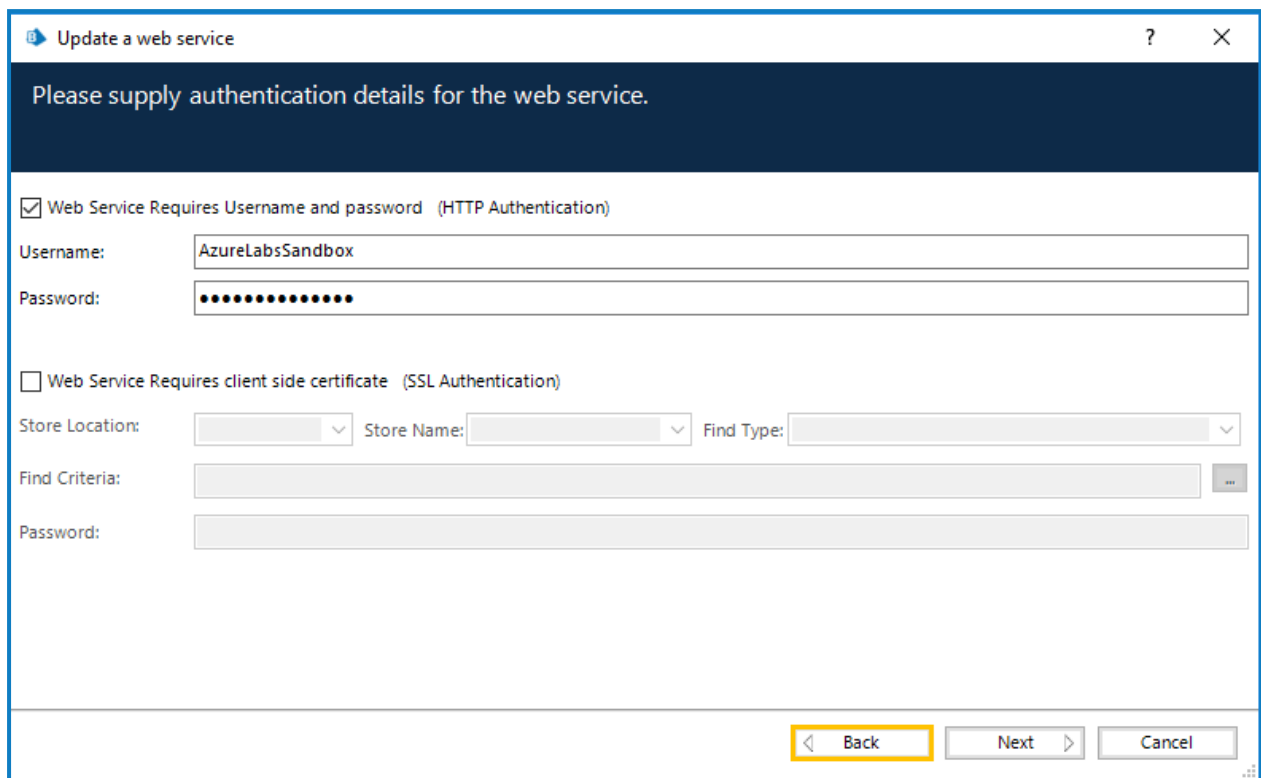
You will need to configure each service individually.

## 2. Click **Edit Service**.

The Update a web service wizard displays. The example below shows the TranslationService selected for editing.



- Click **Next** and then enter your supplied credentials, for example:



Update a web service

Please supply authentication details for the web service.

☒ Web Service Requires Username and password (HTTP Authentication)

Username:

Password:

☐ Web Service Requires client side certificate (SSL Authentication)

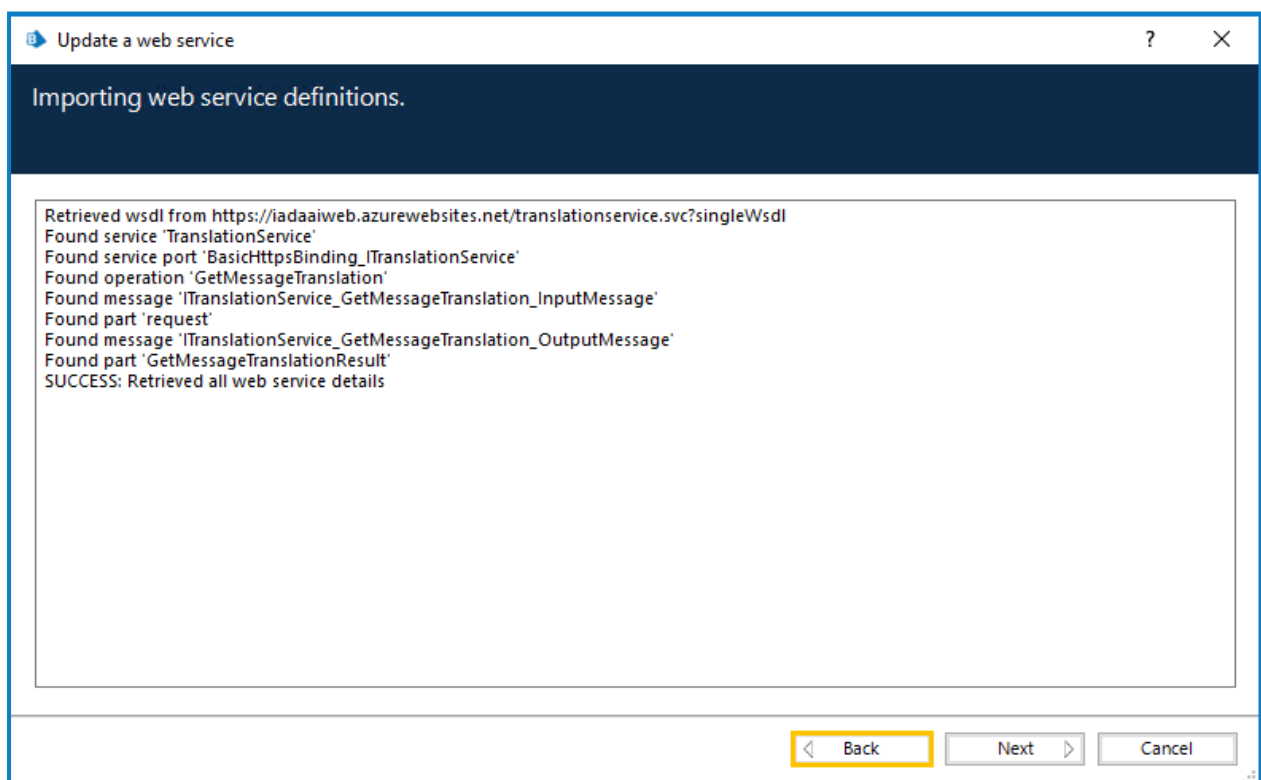
Store Location:  Store Name:  Find Type:

Find Criteria:

Password:

- Click **Next**.
- Leave the timeout at the default value and click **Next**.

This will then start the service and check that the credentials are valid, for example:



Update a web service

Importing web service definitions.

Retrieved wsdl from https://iadaaiweb.azurewebsites.net/translationservice.svc?singleWsdl  
Found service 'TranslationService'  
Found service port 'BasicHttpsBinding\_ITranslationService'  
Found operation 'GetMessageTranslation'  
Found message 'ITranslationService\_GetMessageTranslation\_InputMessage'  
Found part 'request'  
Found message 'ITranslationService\_GetMessageTranslation\_OutputMessage'  
Found part 'GetMessageTranslationResult'  
SUCCESS: Retrieved all web service details

- Continue to click **Next** until you reach the final screen and then click **Finish**.

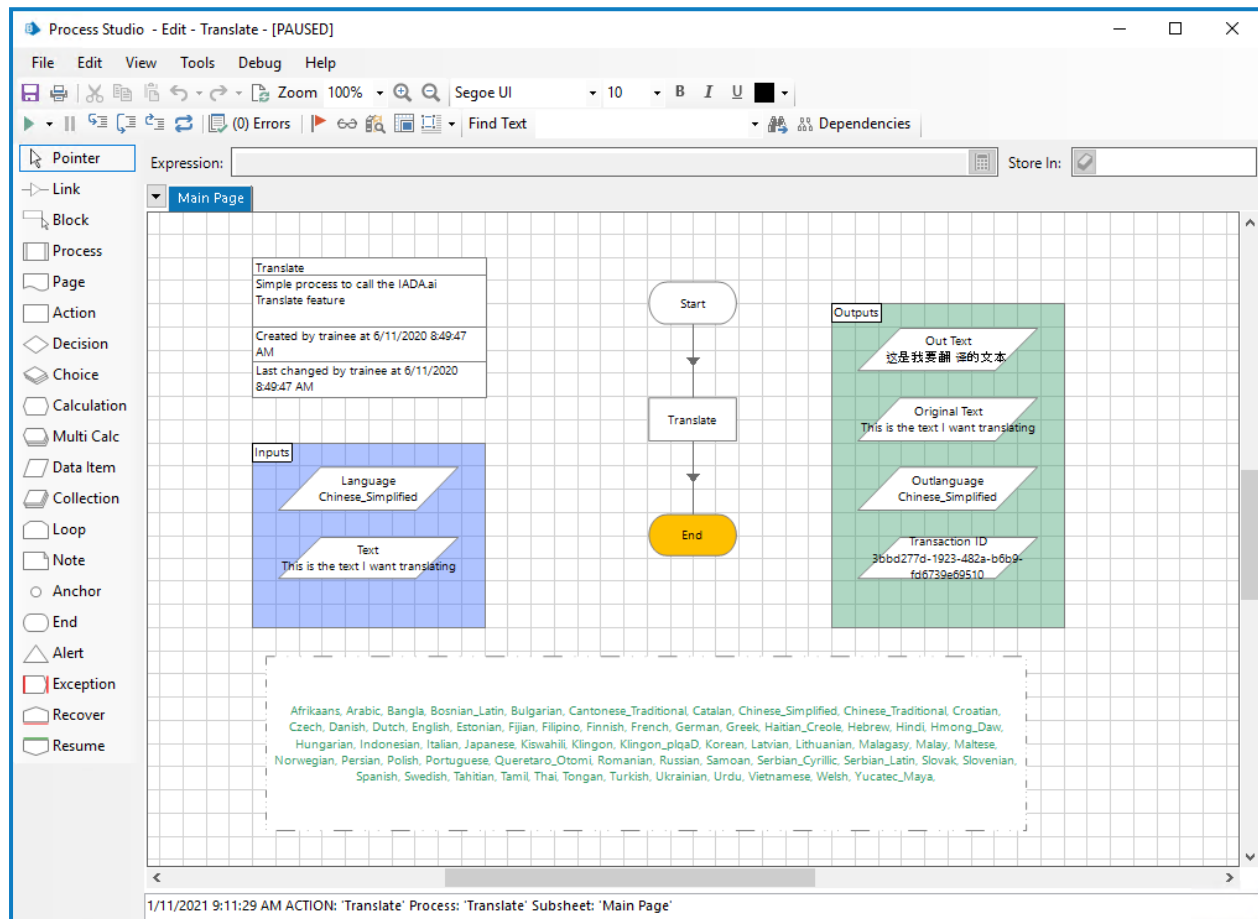
7. Repeat the credentials setting for the other services.

## Using the IADA.ai VBO

The Skills within the IADA.ai VBO can be called using an Action stage in an automation process. The examples below show the results from operating some of the IADA.ai skills.

### Translate

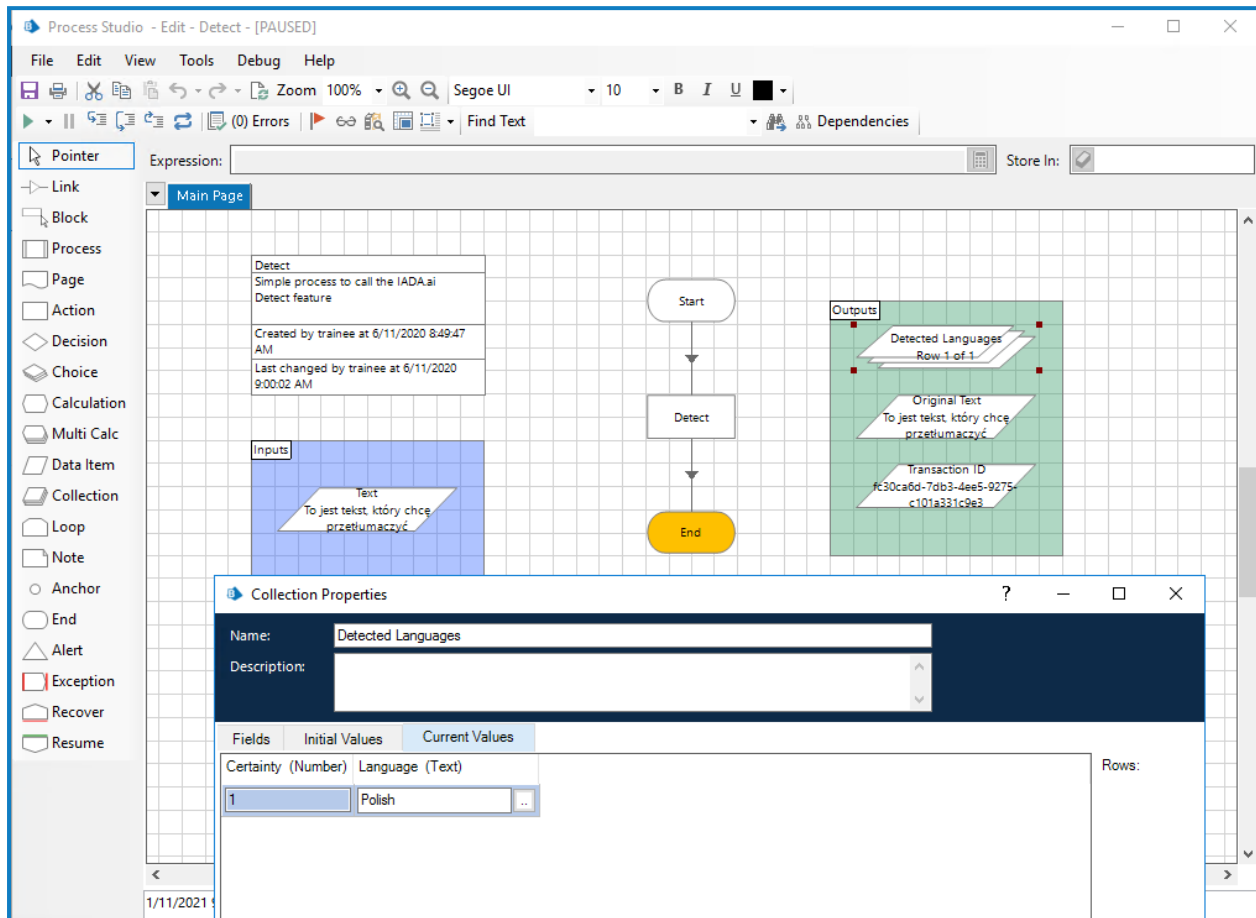
The image below shows a simple process calling the Translate skill. The note below the process lists the available languages that can be used for translation.





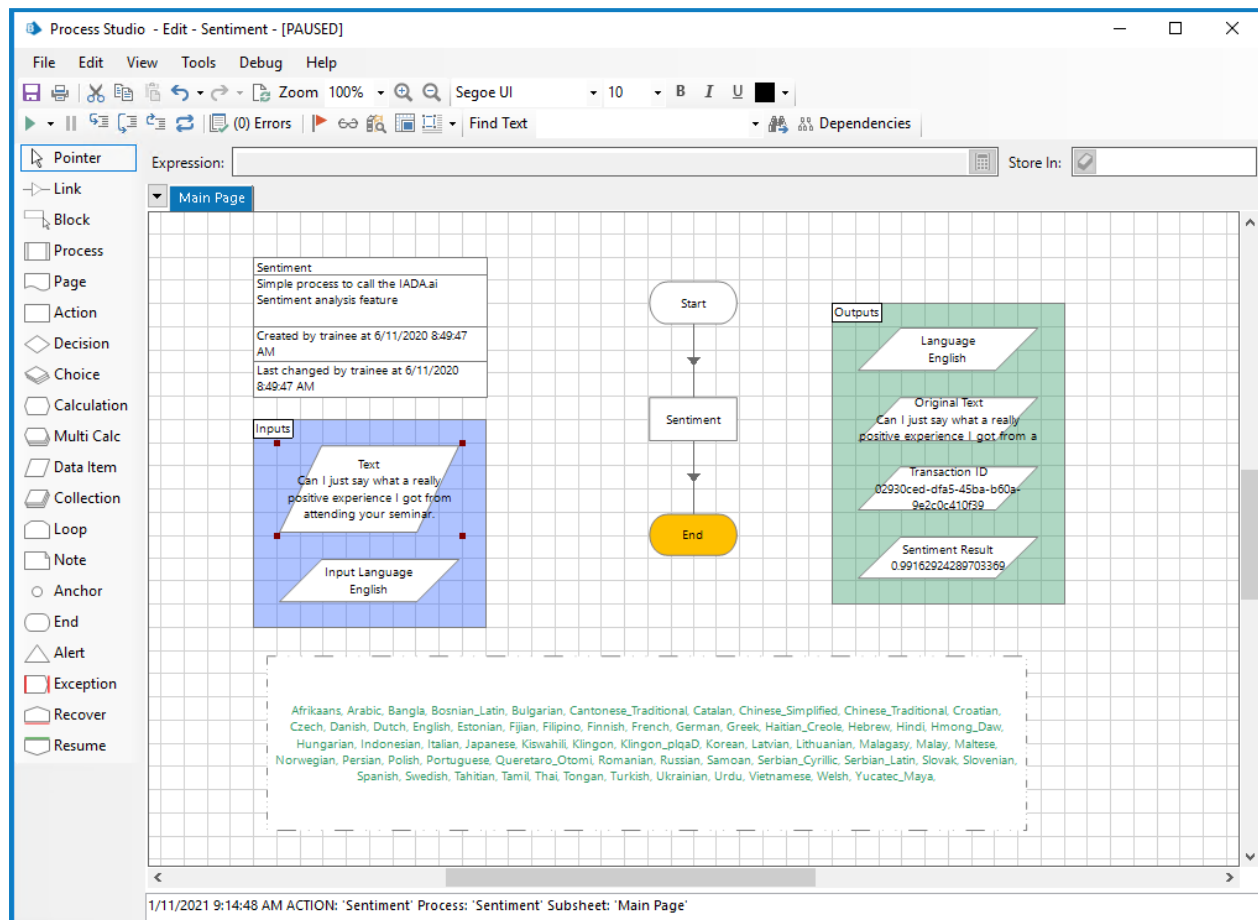
## Detect

The image below shows a simple process calling the Detect Languages skill. The collection properties show the detected languages and the certainty for the confidence that the detected language is correct.

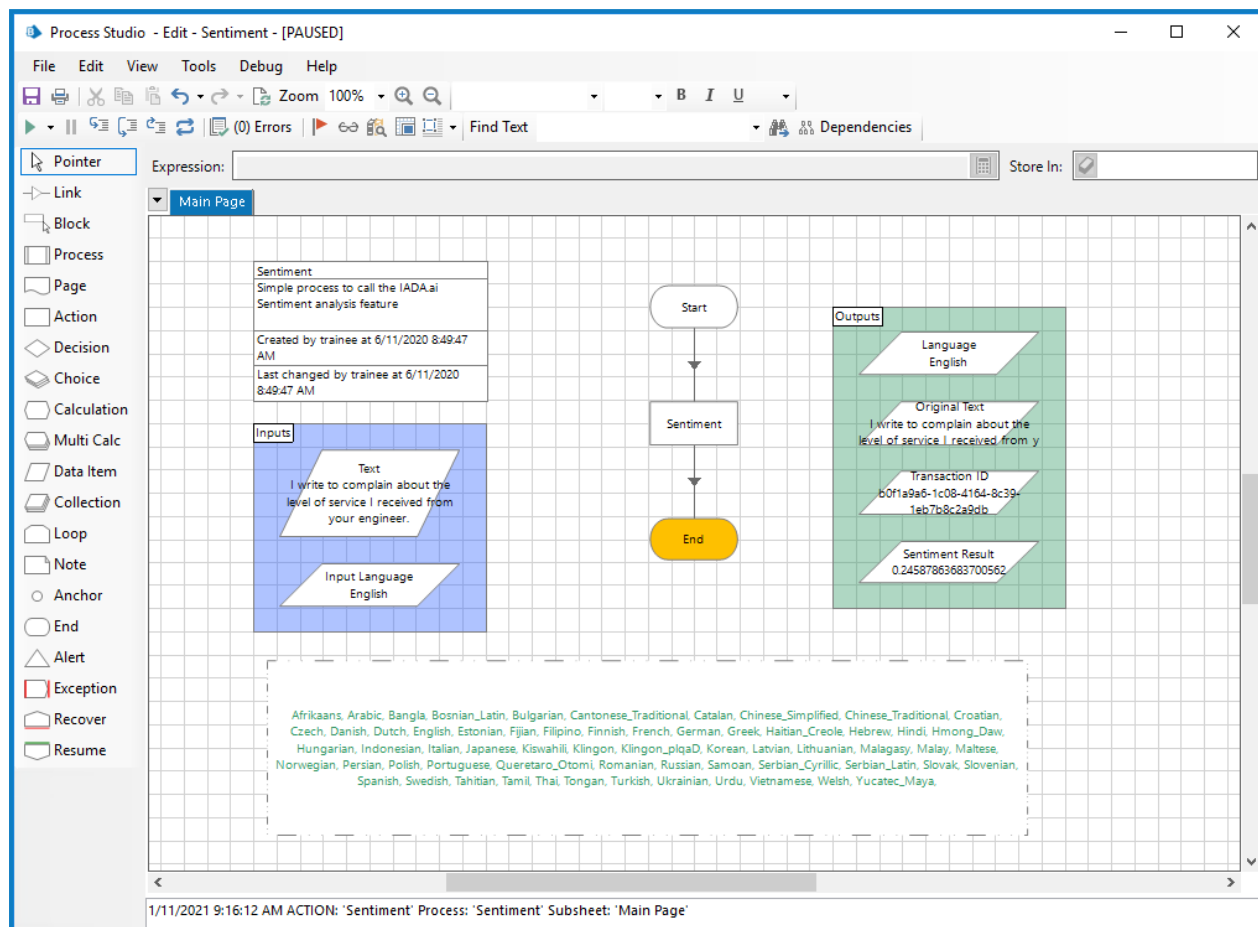


## Sentiment Analysis

The two images below illustrate the use of the Sentiment Analysis skill. The first image illustrates a 'positive' statement:



The next image illustrates a 'negative' comment:



The sentiment analysis results in a 'sentiment' is closer to '1' when 'positive' and closer to '0' if 'negative'.

## Analyze Text

The image below shows the Text Analysis skill which produces multiple outputs. Analyze Text combines several skills to produce its output.

