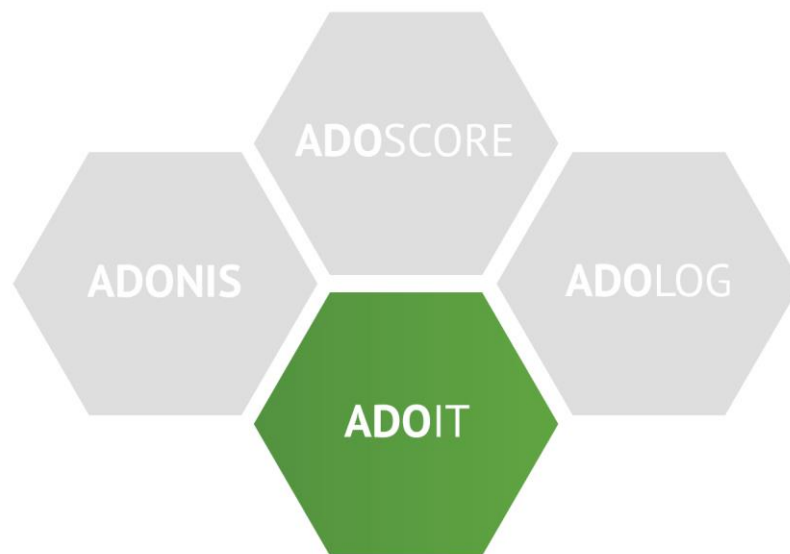


ADOIT Signavio Connector

Version 1.0



Content

- 1. SCENARIO OVERVIEW 3
- 2. ARCHITECTURE 4
- 3. SETUP 4
 - 3.1 . Prerequisites 4
 - 3.2 . Deploy Signavio MFB 4
 - 3.3 . Configure Signavio MFB 4
 - 3.4 . Configure new Signavio connector 5
- 4. TEST THE ADOIT SIGNAVIO CONNECTOR 8
 - 4.1. Trigger Synchronization 8
 - 4.2. Open Dashboard 10
 - 4.2. Open process directly in Signavio 10
 - 4.3. Probing Configuration 11
- 5. FAQ 13
- 6. SECURITY 13

1. Scenario Overview

The ADOIT Signavio Connector allows to integrate ADOIT Archimate and Signavio.

The current version of the module supports the following features:

- **Synchronization:** synchronization can be replicated manually in ADOIT web-client or run automatically on scheduled basis. Synchronization works in two ways:
 1. Extracting process information from Signavio to ADOIT along with subordinate processes as a composition
 2. Sending information about application components from ADOIT to Signavio
- **Dashboards:** By synchronizing business processes to ADOIT you get access to insights dashboards showing process diagram. For a better user experience in reading diagram, there is an option to zoom and move the diagram in the insights view panel.
- **Configuration:** Any object and relation between objects (e.g. applications, processes) can be replicated. To this the predefined mapping between the ADOIT and the Signavio can be extended.

The following image shows an example of a Process dashboard in ADOIT which contains diagram retrieved from Signavio:

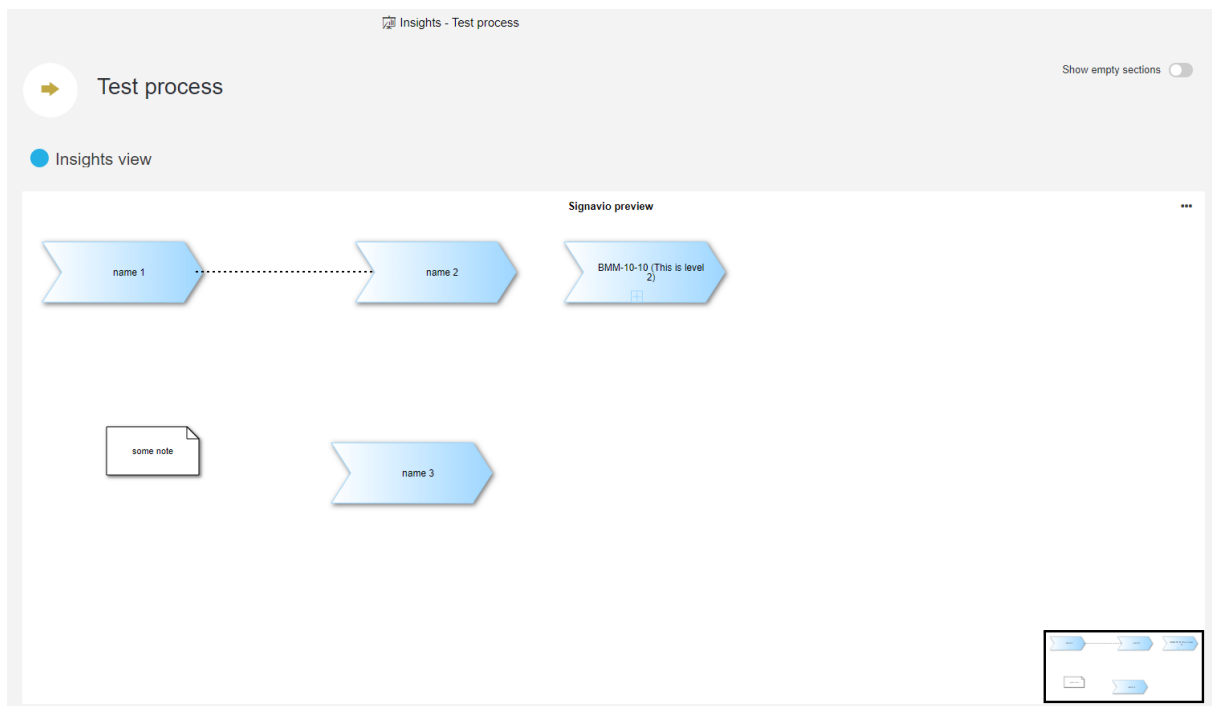


Figure 1: Dashboard showing diagram basing on process fetched from Signavio

2. Architecture

Communication between ADOIT and Signavio is realized via a REST-based web service provided by ADOIT. ADOIT retrieves objects (e.g. Processes and relations from Signavio) and creates objects/relations in the ADOIT repository.

Web service also allows pushing applications from ADOIT to Signavio including a direct URL link to this application as an attachment.

For objects of the type Business Process, ADOIT also provides insights dashboards. When a user opens a dashboard in ADOIT, the required diagram is retrieved in real time from Signavio and prepared for presentation.

3. Setup

3.1. Prerequisites

ADOIT 11.0 or higher must be installed.

3.2. Deploy Signavio MFB

Import the following module files into the ADOIT database:

- `ext_connect_signavio.jar`
- `ext_connect_signavio.manifest`
- `ext_connect_signavio.manifest.mfb`

After import please restart the Administration Toolkit.

3.3. Configure Signavio MFB

Please follow these steps to enable ADOIT Signavio Connector on your environment:

- enable imported MFB in webmodules,
- configure technical user,
- adapt metamodel

Make sure that users who will trigger synchronization got sufficient rights (access rights and RWF settings) to create and modify application and business process objects

3.4. Configure new Signavio connector

To configure new Signavio connector you have to open Administration Toolkit and click to create new data connector configuration

1. General tab

Settings for the Connector
Definition of settings for the Connector

The screenshot shows a configuration window titled 'Settings for the Connector' with a subtitle 'Definition of settings for the Connector'. It features five tabs: 'General', 'Technical Settings', 'Data Synchronization', 'Data Collections', and 'Probing Configuration'. The 'General' tab is active. The form contains the following fields: 'Name' with the value 'Signavio', 'ID' with the value 'signavio', 'Description' which is an empty text area, a checked checkbox labeled 'Enabled', and 'Connector Type' with the value 'Signavio'.

Figure 3:Settings for the connector – General tab

Following fields has to be filled:

1. Name – custom name of connector
2. ID – id must be exact ,signavio' for the insights view to work properly, for connector itself ID property can be anything
3. Connector Type – choose Signavio from select box

2. Technical settings

Settings for the Connector
Definition of settings for the Connector

General **Technical Settings** Data Synchronization Data Collections Probing Configuration

Connection Data (Source System)

URL:
https://editor.signavio.com/p/

Certificate (optional)

Certificate Type:
Java Keystore (JKS)

Passphrase (encrypted):

Authentication Type:
Custom

Configuration:

1	
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Figure 4: Settings for the connector – Technical Settings

Following fields has to be filled:

1. URL – Signavio URL (e.g. „https://editor.signavio.com/p/“)
2. Authentication Type – Custom
3. Configuration – you can find file: „signavio_custom_authentication.json“ in release pack. In „parameterEntity“ section you have to fill following fields:
 - name - The authenticating user’s email address
 - password - The authenticating user’s password
 - tenant - The unique identifier of the target workspace.

3.Data Synchronization

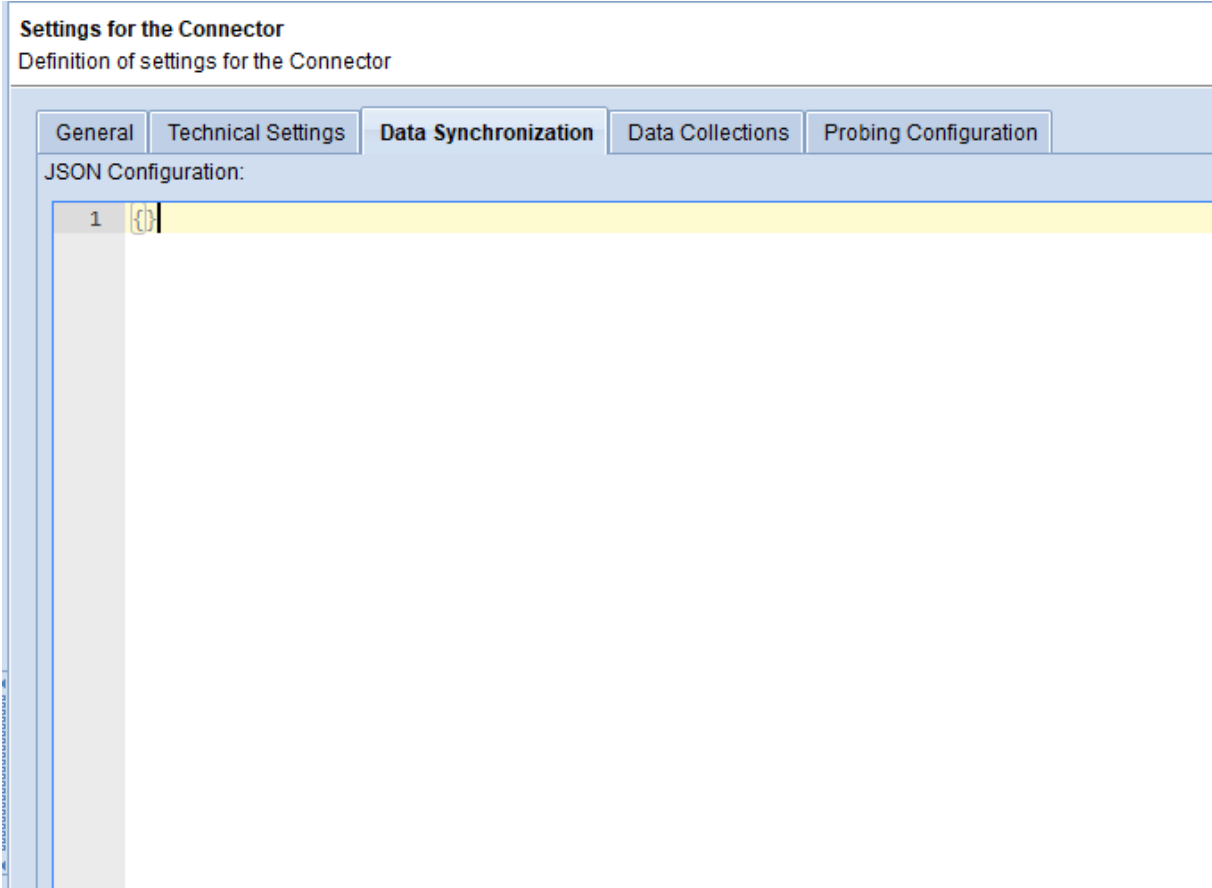


Figure 5:Settings for the connector – Data Synchronization

In this tab synchronization script should be placed. You can find it in release pack under folder synchronizationConfig → synchronizationConfig_adoit.json.

You have to copy the script from above file, paste it to Data Synchronization tab and save changes.

4. Test the ADOIT Signavio Connector

Perform the following steps to test the ADOIT Signavio Connector

4.1. Trigger Synchronization

To trigger the synchronization:

- Click the **Connect Center** button in the navigation bar.

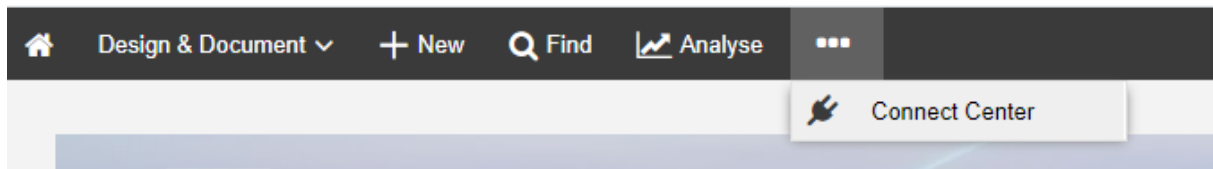


Figure 6: Open the Connect Center

The **Connect Center** opens, showing the available connector types and configurations in a tree structure on the left side.

- Select the connector configuration **Signavio**
- Choose the appropriate transfer option (transfer_from_sig or transfer_apps_to_sig)
- Click the **Start Transfer** button to start the synchronization.

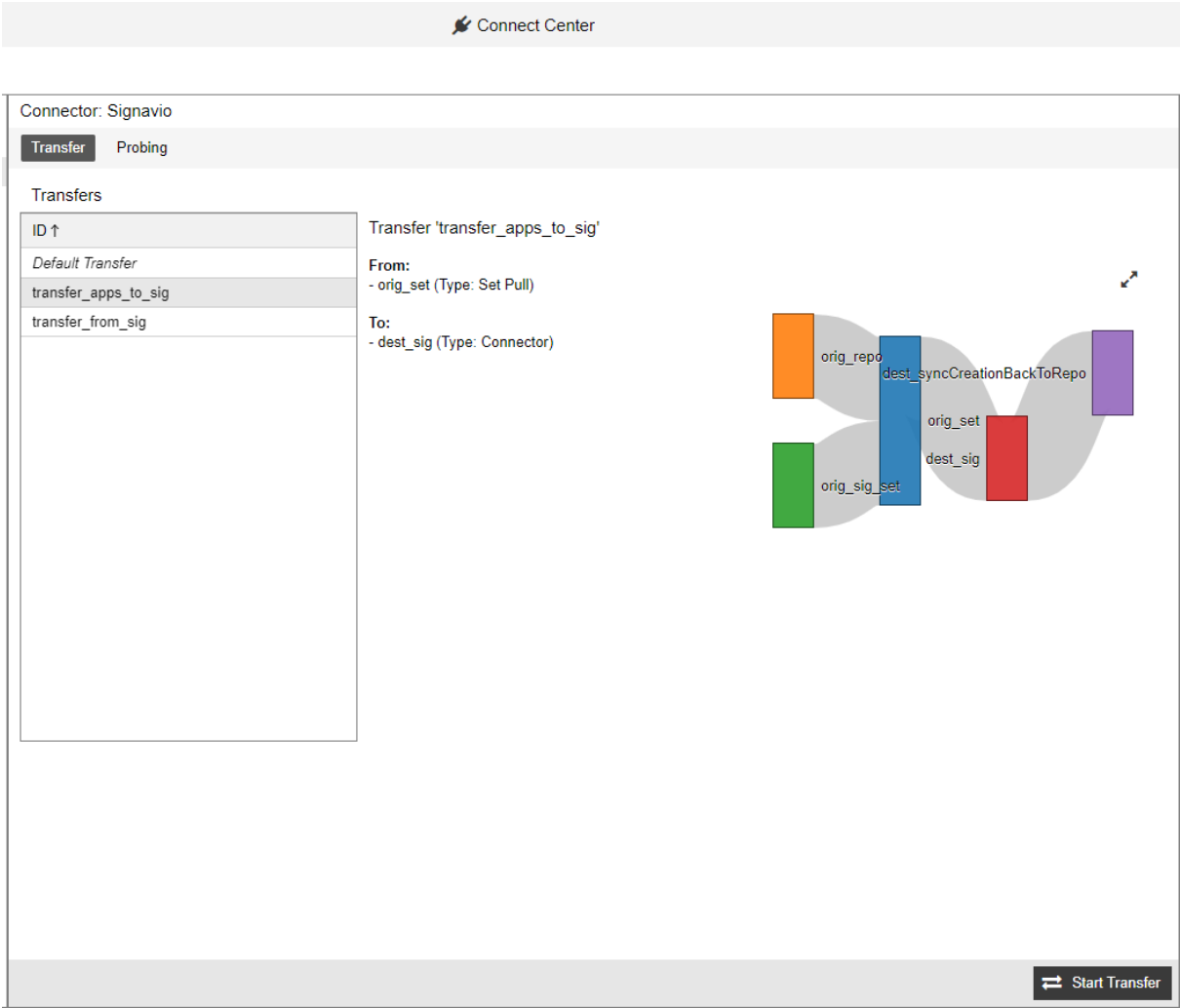


Figure 7: Start Transfer

A progress bar will appear, indicating the status of the synchronization.

When the synchronization has finished, a dialogue will show the result of the synchronization.

In case of transferring processes from Signavio the synchronized data will be available in the Object Catalogue, in the object group `Objects/Business Process`.

4.2. Open Dashboard

To open a dashboard:

- Right-click on *Business Process object* that was retrieved from Signavio, and then click *Open > Insights*.

The widget visualizing diagram from Signavio will show at the dashboard.

4.2. Open process directly in Signavio

For imported processes there is also an option to open them directly in signavio. To do this, right-click on the process and then select *Connected Services > Open in 'Signavio'*

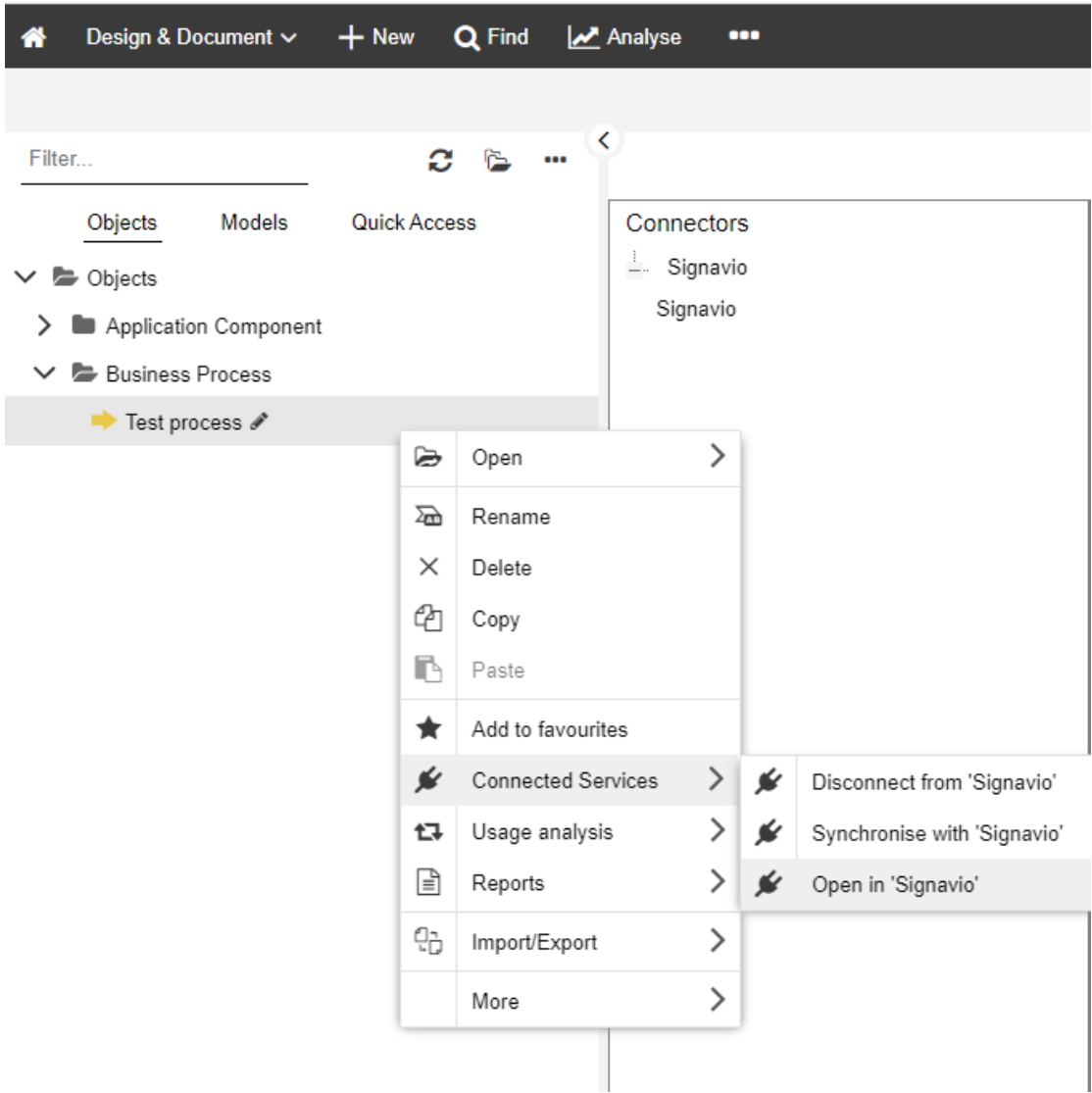


Figure 8: Open process in Signavio

4.3. Probing Configuration

Probing allows to configure a number of requests to endpoints in the external system (e.g. Signavio) and retrieve basic data - the number of contained records and a sample with a configurable size. The data (e.g. applications and processes) can then be visualized in the client and downloaded as Excel file. Go to the Probing Configuration tab in the Administration Toolkit to configure and activate probing.

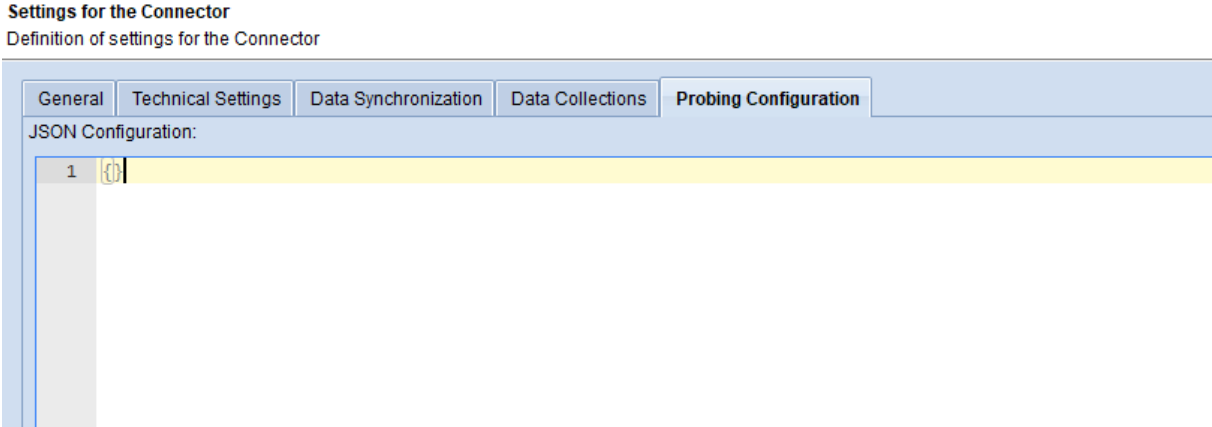


Figure 9: Configure probing tab

You can find probing.json file in release pack containing necessary configuration for probing feature.

ADOIT Signavio Connector Version 1.0

After successful configuration, go to the probing tab in the connect center and start the transfer. A progress bar will appear, indicating the status of retrieving data from Signavio. When the data has been loaded a summary will appear.

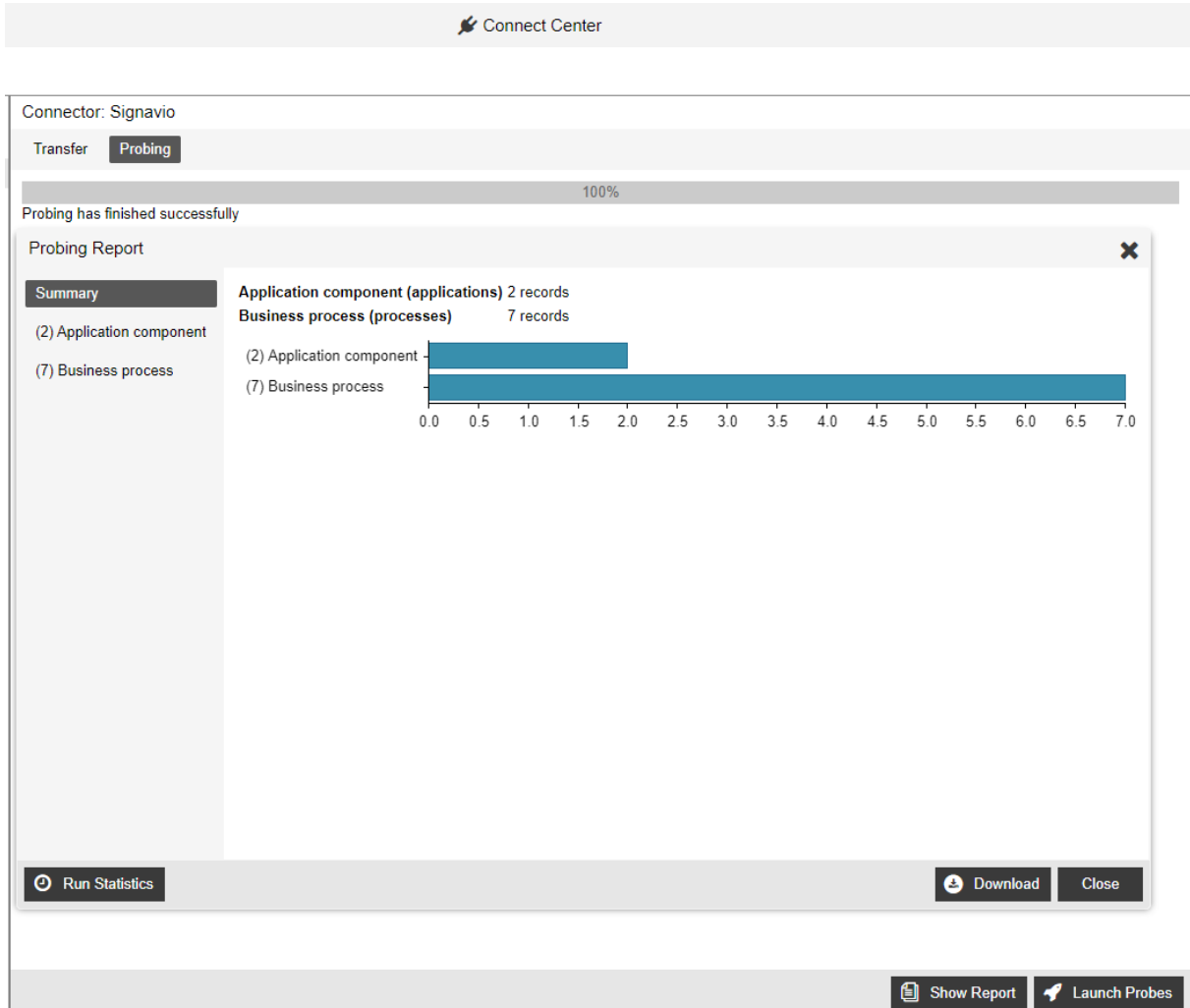


Figure 10: Probing report summary

5. FAQ

What is synchronized?

The mapping is:

Process → C_BUSINESS_PROCESS

- name → NAME
- description → A_DESCRIPTION

C_APPLICATION_COMPONENT → Application

- NAME → name
- description → A_DESCRIPTION

Additionally, mapping connecting subprocesses as a composition has been implemented

- subprocesses → RC_COMPOSITION

6. Security

For communication between ADOIT and Signavio, it is highly recommended to use a secure HTTPS connection.

The server-side certificate used for HTTPS access to the Signavio REST API must have been issued by an official and trusted certification authority (CA).