

Integrating a Robot into Your Process

Creation of Software Robots

By using software robots, you can relieve your employees of profane and monotonous tasks, since the robot - as a virtual worker - can take on a variety of tasks.

Some examples software robots can be used for:

- to control SAP.
- to manage web applications.
- to control mainframe systems.
- for extremely easy sending of e-mails.
- to generate Excel, Word, Powerpoint or PDF files.
- to integrate systems without interfaces into BPaaS processes.


The software robots are created by your **Scheer PAS** consultants in **UiPath Studio**, a tool of our partner [UiPath](#). The robots are then adapted to your process. During the creation of the robot is determined what exactly the robot does and which applications such as Excel, Word, PowerPoint or SAP it uses.

The video shows the modelling of a robot in UiPath Studio and how the robot is connected to Scheer PAS:

Your browser does not support the HTML5 video element

Integration of a Robot in an EPC Model

Once a robot has been created in [UiPath Studio](#), a design user can easily integrate it in any EPC model in BPaaS.



Software Robot
Software Robot

To enable the integration of a software robot into your business process, we have introduced the EPC element [Software Robot](#) in BPaaS. During modeling, you can just connect the robot element to the corresponding function in your EPC model.

You can use the Software Robot element in EPCs with Responsive Forms as well as with Mobile Forms.

Watch the video to see how a process with an integrated software robot is modeled:

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Modeling Example

[Irene Adler](#) wants to make it easier for her colleagues to record business contacts. Her company, [ACME Corp.](#), already uses **Scheer PAS BPaaS** for the digitization of business processes. So [Irene](#) creates a business application where users can insert data of new contacts. Nevertheless, colleagues are complaining, especially after big events, that they have to type so much data from business cards to add them to the companys address book and to their Outlook.

In search of a solution [Irene](#) finds out about RPA and that she can use it along with BPaaS. She contacts her **Scheer PAS** consultant about getting an RPA licence.

	Some time later, Irene is informed that her new software robot has been created.
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Related Pages:

- [The Element Software Robot](#)
- [Robot Details Overview](#)

Related Documentation:

- [BPaaS](#)
 - [Modeling Processes](#)
- [Administration Guide](#)

Edit User

Master Data

First Name
Robbie

Last Name
Test

☒ User active

E-Mail
Ui-Automation@scheer-group.com

Login
testBot

Company
Scheer GmbH

Language Selection
English

Valid from
02/06/2018

Valid until
12/31/2099

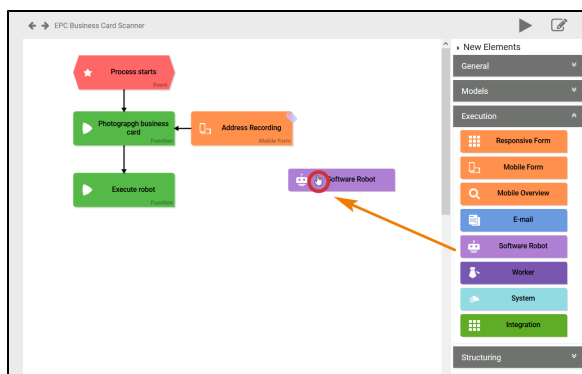
Profiles (4)
ASSIGN MORE

Designer	Name	Display Name	Namespace		
	bpaaS_execution_user	bpaaS_execution_user		✕	🔗
	rpa_robot	rpa_robot		✕	🔗
<input type="checkbox"/>	sandbox_irene.adler	sandbox_irene.adler		✕	🔗
<input type="checkbox"/>	acme_corp	ACME_Corp	acme_corp	✕	🔗

Similar to a natural person, the robot must have its own BPaaS user and the corresponding authorizations.

In her **Sc** **heer PAS Administration**, **Irene** creates the BPaaS user **Robbie Test** for her software robot and assigns the necessary profiles:

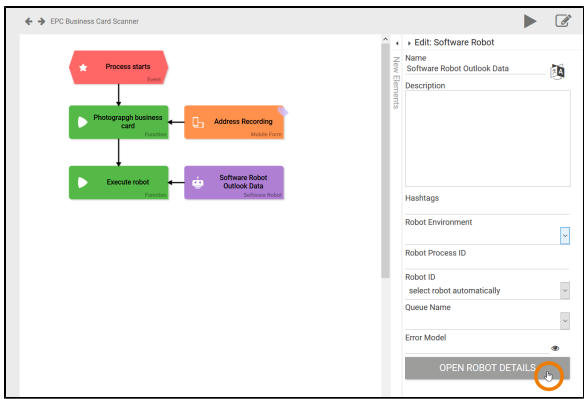
- rpa_robot
- bpa_as_execution_user
- sandbox_irene_adler - as this is the profile Irene uses to model the robot process for testing
- acme_corp - as this is the profile where the process is to be executed productively later on



Irene now reworks her address recording process.

She starts with a mobile form including a camera element. This enables her colleagues to take pictures of business cards instead of typing the data to a form.

Then she adds the [Software Robot](#) element to the process.



Irene has two options to configure the robot:

- She can define the robot settings in the **Edit** side bar.
- She can open the robot details to define all necessary settings.

Irene chooses to use button **Open Robot Details**.

Process Info

Robot Environment: SchaeTest | Robot Process ID: Bus | Robot ID: select robot automatically | Field Name for Robot ID: | Process Version: 1.0.6962.20192

Orchestrator Queue

This process does not use queues.

Description

- Process
- Robot Group
- Robot

Parameter

Input	Parameter	Type
in_containerPath		Object
forwardTo		Object

Output	Parameter	Type
businessCard[1]		Object
businessCard[0]		Object
contact.firstName		String
contact.lastName		String

SAVE CANCEL

The dialog **Software Robot Details** opens.

Here Irene selects the necessary settings such as:

- **Robot Environment**
- **Robot Process ID**
- **Robot ID**

Parameter

Input	Parameter	Type
[in_containerPath]		Object
forwardTo		Object

Output	Parameter	Type
	businessCard[1]	Object
	businessCard[0]	Object
	contact.firstName	String
	contact.lastName	String
	contact.fullName	String
	contact.company	String
	contact.city	String

Parameter wrapped in `[]` were declared as variables and therefore cannot be resolved.

[SAVE](#) [CANCEL](#)

At the bottom of the window she can also find the input parameters the robot requires from BPaaS as well as the output parameters the robot will return to BPaaS.


← → Address Data

New Outlook Contact has been created for

Name

Company

City



[GO TO OVERVIEW](#) [SAVE](#) [NEXT](#)

• Edit: Input Field

Name

City

Description

Hashtags

Additional CSS Classes

Current Value

☐ Mandatory

☐ Read Only

☐ Focus on Element

☐ Show Label Inline


☐ Hide Input


Validation Expression


Field Name in Container
contact.city

☒ Save Value in Instance

Irene uses the list to insert corresponding form fields in the forms of her process.


<div data-bbox="159 138 735 367"><div></div><div>Status of the Software Robot</div><div>Note</div><div>The software robot is currently executing this instance. You can check out the current status at the Cockpit.</div><div>Go to overview</div><div>Reload</div><div>Close</div></div>	<p>The robot has been integrated in Irenes process and the app is now ready for testing.</p> <p>When the EPC reaches the robot process step, a standard overview page displays the current status to keep the user informed, that the instance is currently processed by the robot.</p> <p>This applies to Responsive Forms...</p>
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Note

The software robot is currently executing this instance. You can return to the overview.



Technical Information



Software Robot Status

The software robot is running.

Software Robot Job-ID

cd297002-19f4-4861-bc1c-9318586638e3

BACK

... as well
as to
Mobile
Forms.