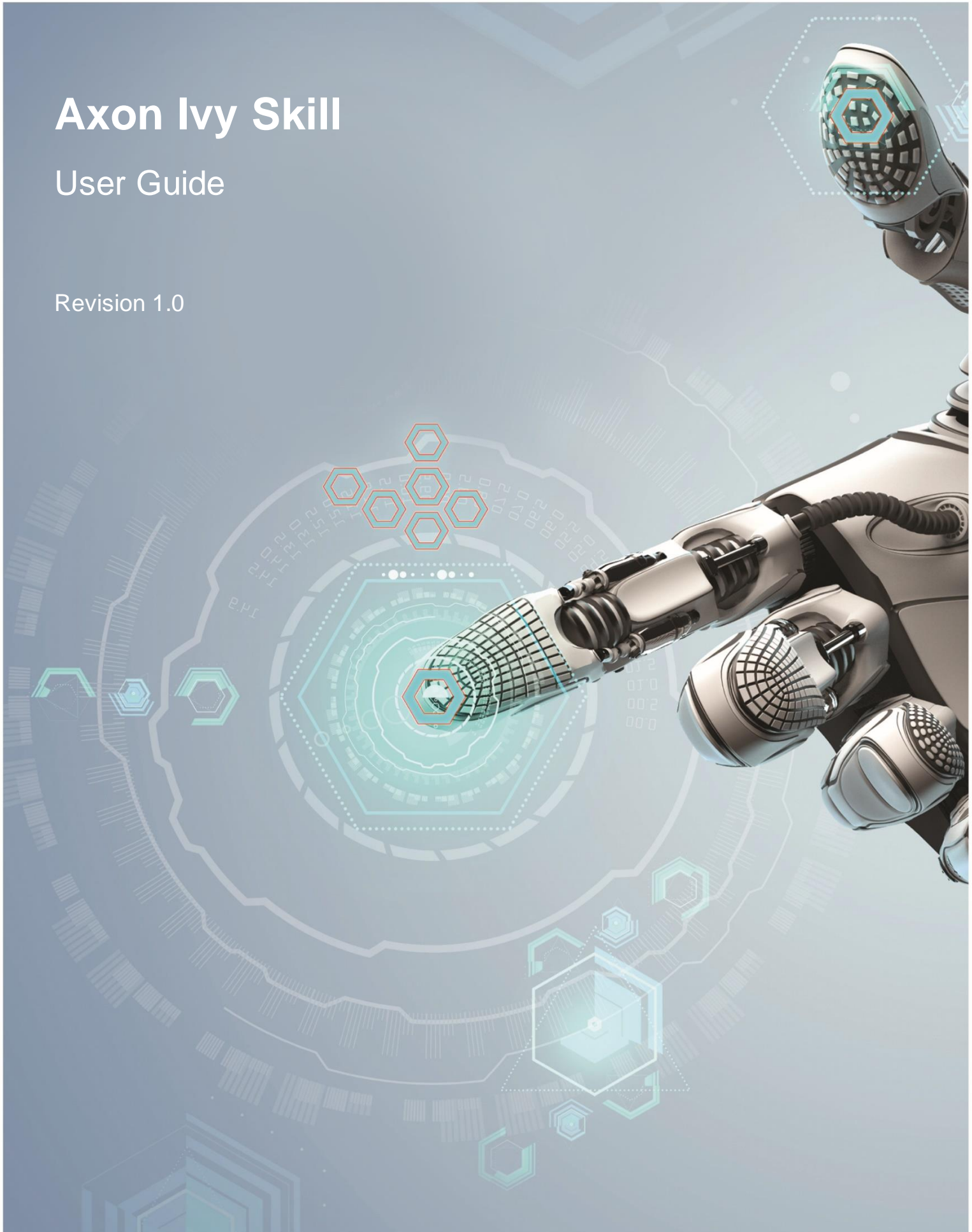


Axon Ivy Skill

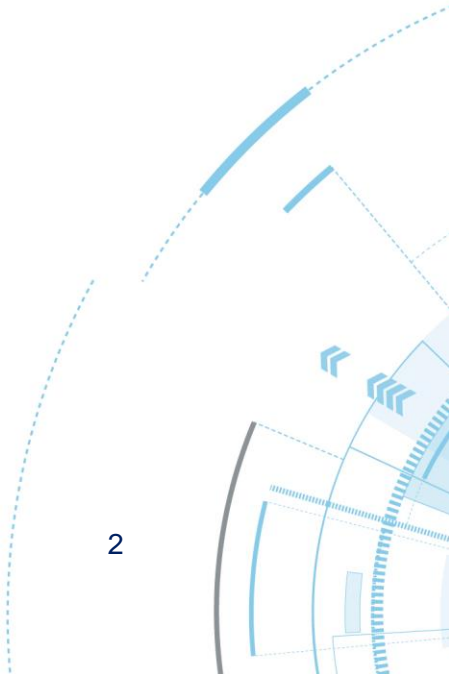
User Guide

Revision 1.0



Content

- CONTENT.....2**
- OVERVIEW.....3**
 - ASSIGN EXCEPTION HANDLING TASKS TO USER3
 - GET THE TASK RESPONSE3
- REQUIREMENTS.....4**
- INITIAL BLUE PRISM SETUP5**
- INITIAL AXON IVY SETUP5**
- USING THE SKILL IN BLUE PRISM.....7**
 - ASSIGN TASK7
 - GET TASK RESPONSE8
- ASSIGN EXCEPTION HANDLING TASK TO USER9**
- GET TASK RESPONSE.....9**
- SUPPORT10**



Overview

Digital Process Automation (DPA) applications like the Axon.ivy Digital Business Platform move beyond individual task automation and automate processes for multiple groups and applications across the enterprise. With the Axon.ivy Digital Business Platform and Blue Prism combined, humans, robots and systems work together in a seamless process. This is end-to-end automation and can complete a company's digitalization journey.

This guide walks you through how to set up and use the Axon Ivy Skill to connect to Axon Ivy from Blue Prism and provides examples on how to use the Axon Ivy Skill to build intelligent automation that brings people and robots together. Use this skill to send Blue Prism exceptions as human tasks and have a greater impact that go beyond automation.

In addition, this skill will work with dynamically generated forms, which results in an easy integration between Axon Ivy and Blue Prism with no pre-defined structured data to make your exception handling work. Once configured, use this Skill and Axon Ivy to easily manage your exceptions for any process.

Assign exception handling tasks to user

This example will walk you through how to use the action to assign exception handling tasks to users. The process sends information to Axon Ivy that triggers a process, creates the task, and assigns it to a user or group.

Get the task response

This example will detail how to pull the task response data from Axon Ivy to complete the process in Blue Prism.

Requirements

To use this skill, you need:

- Blue Prism environment version 6.4+
- Axon Ivy Skill from Blue Prism Digital Exchange.
- Axon Ivy environment version 7+.

Initial Blue Prism Setup

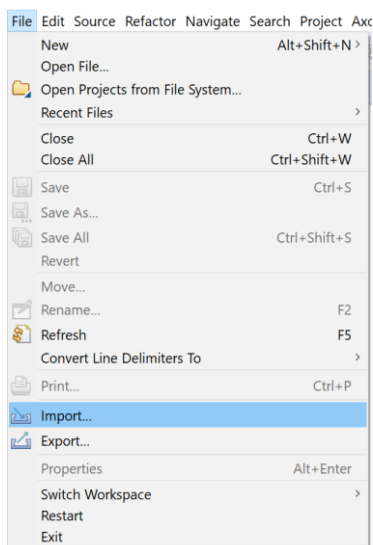
Follow the steps bellow to setup your Blue Prism environment:

- Import Axon Ivy Skill to Blue Prism environment.
- Configure the **Axon Ivy** credential with basic authentication (User and Password) and give appropriate Access Rights.
- Open the Web API in Blue Prism and modify the **Base URL** to match the Axon Ivy URL.

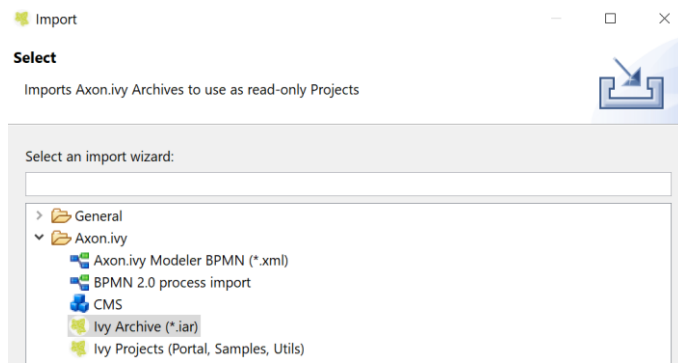
Initial Axon Ivy Setup

Import Dynamic Task project into Axon Ivy environment which contains Axon Ivy project required to run the examples in this documentation.

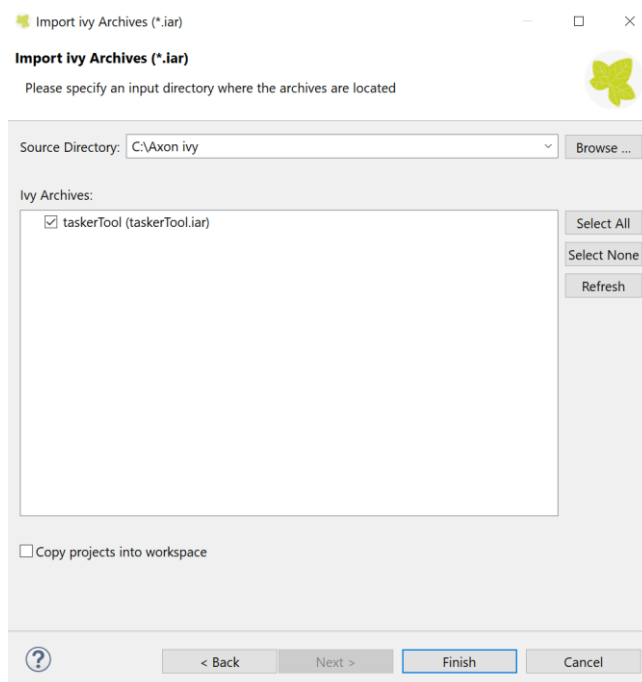
- Download Axon Ivy:
 - Go to [Axon Ivy Developer Page](#) and download the latest version of the Axon.ivy Designer.
 - Extract the downloaded zip file and launch the Axon.ivyDesigner.exe
- Import the provided .iar file project in Axon Ivy (more Information [here](#))
 - Go to **File** and then **Import**.



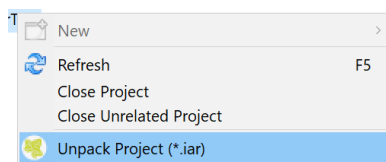
- Select .iar option and click Next.



- Select the directory where the .iar file is and click next.



- Select the imported project and select Unpack.



- Execute the project to complete the configuration.



Using the Skill in Blue Prism

Axon Ivy Skill has two main Actions: **Assign Task** and **Get Task Response**.

Assign Task

Assign task action will generate the task in Axon Ivy and assign it to a specific group or user. This action contains required parameters to create and assign task in Axon Ivy.

Assign Task Parameters

Parameters	Data Type	Description
Task Name	Text	A meaningful task name to identify the case in the Axon Ivy portal.
Task Description	Text	The description for the task with required information for the user to understand what is required in this task.
Role or User	Text	The role name or user to assign the task.
Task ID	Text	Unique identifier for the task.
Image	Text	Base 64 image to display in the task form.
Fields	Collection	The form fields for the task.
callbackUrl	Text	
Title	Text	Task title.
Instruction	Text	An instruction for the user to understand the reason for this exception and the expected action to perform.
Button	Text	The submit button text.

Fields collection parameter requires the fields:

Name	Type	Description
Type	Text	The data type for the field (e.g. INPUT_TEXT, RADIO_BUTTON, INPUT_DATE)
Title	Text	The description for the field with required information for the user to understand what is required as input for this field.
Value	Text	The initial value for the field.

Action	Text	The description for the action that the user needs to perform. This is a help text to understand what is required to do within the field.
--------	------	---

Add items to this collection that is required to show in the task as show in the example below:

Tasks (1) Show full task list

Sort by priority Sort by expiry time

Name, Description or ID 

Validate Invoice (#10)


Created on: 30.07.2020 13:52

Document validation is required to guarantee that the information is correct. Compare the data extracted within the ima...

☒ Validate Invoice → Parameter: Task Name

OCR Validate Invoice Done

1 2 3

Request Case Information 

Validate Invoice → Parameter: Title
Document validation is required to guarantee that the information is correct. Compare the data extracted within the image.

Parameter: Instruction

Proof of delivery:
❗ Proof of delivery not found in the invoice.

PO Number:
❗ Po Number not found in the invoice.

Parameter: Fields

Parameter: Image

Parameter: Button

Correct Invoice

East Repair Inc.
1914 Harvest Lane
New York, NY 12210

INVOICE

Bill To
John Smith
2 Court Square
New York, NY 12210

Ship To
John Mayer
3787 Pineview Drive
Cambridge, MA 12210

Invoice# US-0001
Invoice Date 11/2/2020
P.O.
Received By

Qty	Description	Unit Price	Total Amount
1	Front and rear brake cables	\$ 100.00	\$ 100.00
2	New set of pedal	\$ 15.00	\$ 30.00
	Subtotal	\$ 130.00	
	Sales Tax	\$ 9.06	
	TOTAL	\$ 139.06	

Terms & Conditions
Payment is due within 30 days

Get Task Response

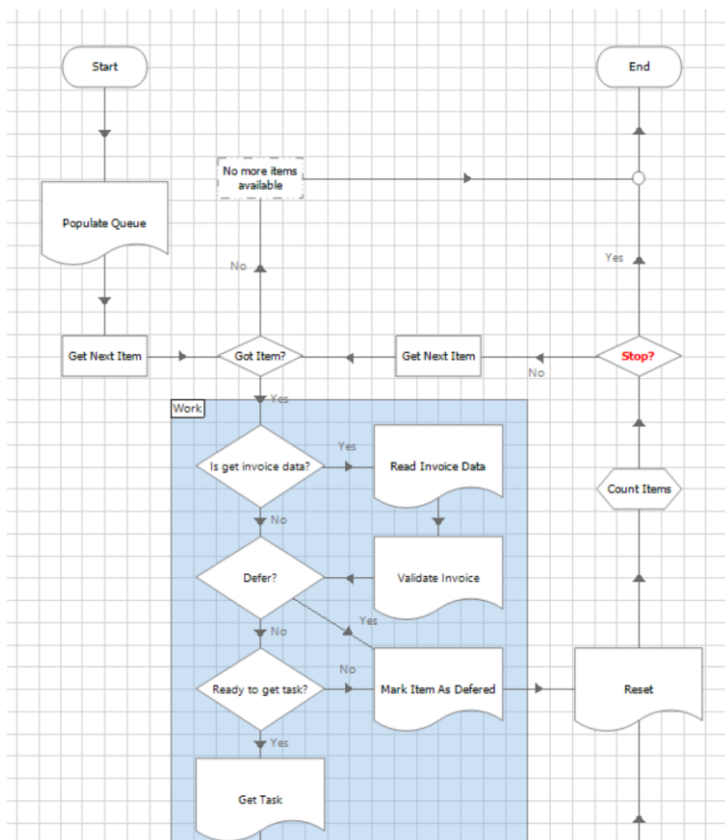
This action will return the response for the task. The json response will contain all the fields sent to the Assign Task and their respective values for these fields.

Parameters	Data Type	Description
Task ID	Text	Unique identifier for the task.

Assign exception handling task to user

This process will use an API built in Axon Ivy to receive dynamic data to create exception tasks and assign for a user to solve. Using Axon Ivy Skill, the Axon Ivy designer and the exception data generated in Blue Prism, the automated process will automatically create and assign a task to a user to proper handle the exception and complete the human-loop interaction.

A common example for this action is when the Blue Prism process requires data validation (as in the example below). In this case, it is very common that any required field is either missing or wrong that requires a human action to validate the data. In this case, the process will add to the Fields collection parameter the information that a human need to validate according to the business requirements and send the information to Axon Ivy using the **Assign Task** action.



Get task response

After the task is completed by a human, Blue Prism process uses the **Get Task Response** action to get fields results from the initial task to proceed with the process.

Support

If you require support or have questions with this skill, contact support@dirwa.com.