



# IN-D INVOICE PROCESSING

## USER GUIDE

Blue Prism 6.2

Document version 1.0

For more information visit [www.in-d.ai](http://www.in-d.ai)

IN-D by Intain  
[explore@in-d.ai](mailto:explore@in-d.ai)

## Contents

Introduction.....	2
Solution Overview.....	2
Asset Details .....	2
How it works .....	3
Pre-requisites and Environment Configuration.....	3
IN-D invoice processing VBO Prerequisites .....	3
Blue Prism Configuration.....	3
Using IN-D Invoice Processing VBO.....	3
Input Parameters .....	3
Output Parameters .....	4
Support .....	4
Functional Tests .....	4
Troubleshooting Guidelines .....	4
Frequently Asked Questions.....	4

The information contained in this document is the proprietary and confidential information of Intain AI Private Limited and should not be disclosed to a third party without the written consent of an authorised IN-D representative. No part of this document may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying without the written permission of Intain AI Private Limited. © Intain AI Private Limited, 2019

©IN-D is a registered trademark of Intain AI Private Limited

All trademarks are hereby acknowledged and are used to the benefit of their respective owners. IN-D is not responsible for the content of external websites referenced by this document.

Intain AI Private Limited, 3A, Sri Durga Enclave, 2<sup>nd</sup> Street River View Residency, Karapakkam, Chennai - 97  
Registered in India: Corporate Identity Number: U72900TN2019PTC128892. Email: [explore@in-d.ai](mailto:explore@in-d.ai) Web: [www.in-d.ai](http://www.in-d.ai)

## Introduction

IN-D Invoice Processing VBO enables your Blue Prism process flow to process invoices to extract only the useful details like invoice numbers, PO number, vendor name, etc., and the line items in the table automatically without a need to input a template. The invoice processing VBO, can process multiple invoices at once directly from the source you choose from, and send the relevant fields to the accounting software connected in the flow for accounting purposes in a matter of seconds.

Blue Prism's Technology Alliance Program (TAP) partnership with IN-D adds smart invoice processing solution using Artificial Intelligence to Blue Prism Robotic Process Automation (RPA) to minimize the time required for processing multiple/single invoice in batches. This integration adds the critical skill of automatic intelligent invoice processing capabilities to Blue Prism Intelligent Automation, giving enterprises the ability to smartly extracts invoice information within a Blue Prism Digital Worker's defined workflow.

## Solution Overview

IN-D AI engine is built using machine learning and computer vision techniques to digitize the invoice and extract necessary data from it in Blue Prism's Digital Workforce. The IN-D Invoice processing VBO can understand more than 11 general attributes and even the table information. The VBO will send the extracted attributes to the Blue Prism defined workflow which can be processed by any connected accounting services for further processing or accounting. The VBO also gives a confidence score for each attribute with which a threshold can be set in the Blue Prism workflow to decide upon whether to accept the extracted data as such for accounting to needed to get validated before further processing.

The fields\*\* IN-D Invoice Processing VBO can extract from an invoice are as follows:

- Invoice number
- Invoice date
- PO number
- Vendor name
- Vendor address
- Total
- Subtotal
- Tax
- CGST
- SGST
- IGST

Apart from these attributes, the table data will also get extracted. The type of data that it understands right now includes the following,

- Description or Item name
- Quantity
- Unit Price
- Amount

*\*\*For any additional data points to be extracted please connect with us on [explore@in-d.ai](mailto:explore@in-d.ai)*

## Asset Details

The asset contains both IN-D Invoice Processing Interface Web API & IN-D Invoice Processing VBO whereas, the IN-D Invoice Processing VBO depends upon the IN-D Invoice Processing Interface Web API. The IN-D Invoice Processing VBO has one action namely, Invoice Capture.

## How it works

The following is how IN-D invoice processing VBO works

- **Capture** – Capture the invoice from the BP workflow
- **Extract** – Extract the required fields and table data from the document smartly
- **Export** - Export all the data required in the BP workflow along with a confidence score for each attribute

## Pre-requisites and Environment Configuration

### IN-D invoice processing VBO Prerequisites

To use the IN-D skills, the following are required:

- Knowledge of IN-D capabilities, structure, and features
- Customer Key generated from one.in-d.ai portal using your company login (Register if not already logged in)
- The response for the APIs in the VBO (mentioned below)

### Blue Prism Configuration

Basic authentication credentials (Customer Key) must be created for the IN-D user by registering the company in IN-D One (accessed via one.in-d.ai). Click on the Blue Prism Customer Key button under the IN-D Payables. Note that, IN-D Payables is the invoice processing module from IN-D.

## Using IN-D Invoice Processing VBO

The following section describes how to use the IN-D Invoice Processing VBO in Blue Prism processes.

### Input Parameters

These are the input parameters which can be configured for IN-D Invoice Processing VBO.

PARAMETER	DATA TYPE	DESCRIPTION
Collection	Collection	<p>Define a collection and import the IN-D Invoice Processing VBO input parameters and make sure it has four fields, File, File Name, Field Name, and content type.</p> <ul style="list-style-type: none"> <li>• File should be the image file in binary (Blue Prism Binary data type)</li> <li>• File Name should contain the name of the image file and the extension can be jpg, jpeg, png, tiff, and pdf (Blue Prism Text Data Type)</li> <li>• Field Name should always be 'files' (mandatory)</li> <li>• Content type value should be as follows <ul style="list-style-type: none"> <li>○ 'image/jpeg' for jpg and png files</li> <li>○ 'application/pdf' for pdf files</li> <li>○ 'image/tiff' for tiff files</li> </ul> </li> </ul>
API Key	Text	Customer Key generated from one.in-d.ai portal using your company login

## Output Parameters

These are the output parameters which can be configured for IN-D Invoice Processing VBO.

PARAMETER	DATA TYPE	DESCRIPTION
HTTP Status Code	Text	Following are the status codes post processing Status 200 – Success Status 401 – Invalid or Expired Key Status 403 – No API Key Status 500 – Internal Error
Result	Text	This is a JSON file having extracted attributes from the input invoice files (You can convert the JSON to collection by using the action ‘JSON to collection’ from the Blue Prism Business Object, ‘Utility JSON’) file_name, invoice_number, invoice_date, po_number, vendor_name, vendor_address, total_amount, subtotal_amount, tax_amount, cgst, sgst, igst, table data, and respective confidence score

## Support

Support for this VBO is provided by IN-D by Intain. Feel free to reach out to us by mailing us to [explore@in-d.ai](mailto:explore@in-d.ai). You can also contact us via our contact form on our website by accessing <https://www.in-d.ai/contact/>

## Functional Tests

No specific tests are provided with the VBO, and no universal test instance is available to make dummy calls to; it is expected that users will use appropriate tests on their own IN-D environments to validate that the VBO is behaving as expected.

## Troubleshooting Guidelines

There are no known commonly encountered issues at this stage, or corresponding resolutions for them. If users begin encountering issues, then this section will be updated with known resolutions.

## Frequently Asked Questions

How to get my Customer Key?

1. Register your company in [one.in-d.ai](https://one.in-d.ai)
2. A confirmation email has been sent to your registered mail
3. Click on the link to activate your account
4. Login now with a new credential and your password is set
5. Click on the Blue Prism Customer Key under IN-D Payables
6. You can now either copy the customer key to your clipboard or send the customer key to the registered mail