

## Infor Process Modeler

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## Agenda

- 1 Introduction to Infor Process Modeler
- 02 Infor Process Modeler navigation
- 03 Infor Process Designer Demonstration
- 04 Document Generation
- 05 Recap, Q&A and Outro



Welcome to the Process Modeler and IPC

# Infor Process Modeler





#### What is the Infor Process Modeler?

- Infor Process Modeler is an intuitive web-based platform for Business Process Modeling (BPM), that is BPMN 2.0 compliant.
- It is the Platform used to develop all the Industry Process Catalog (IPC) content.
- It has the capability for detailed documentation of business process elements, along with attaching documents.
- Process maps to structure underlying content and improve the adoption of underlying solutions.
- Utilization of the platform extend, enhance and create content for specitic requirements.
- Publishable content to the organization's users to view and collaborate.



#### **Industry Process Framework**

% of **Business processes Extensions** High value unique configurable processes outside of the IPC using Infor OS extensibility Unique **Process** Modeler Fine-tuning Processes, configurations output **Differentiators** documents standard interfaces **Adoption** Industry leading practices implemented as-is Adopting these processes reduces Core cost and risk while aligning the organization to recognized industry process standards.



#### Infor Process Modeler - Demonstration

#### Scenario:

- We want to visualize the ways we replenish our Shop Floor Warehouse (Job Shop).
  - Option 1: Core Shop Floor replenishment (Job Shop).
  - Option 2: Core Shop Floor replenishment (Job Shop) with Infor Factory Track
  - Option 3: Shop Floor replenishment (Job Shop) with a Kanban loop with internal warehouse transfer.

We also want to document how these processes are done all together, so we want to generate a business blueprint containing all these processes together.

#### Outputs:

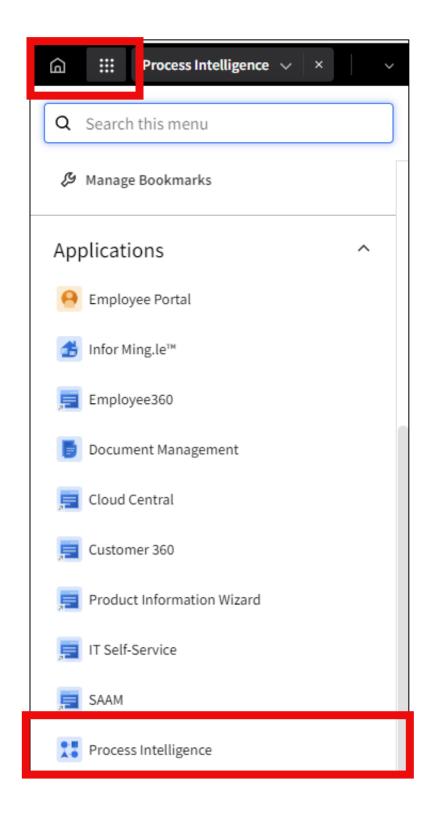
- 1. BPMN models for our replenishment options
- 2. Business Blueprint document



#### **User Interface & Navigation**

Infor Process Modeler is accessed via Infor Ming.le™

→ Click on the App switcher and select Process Intelligence to get started





#### **Industry Process Catalog – Content Structure**

The standard IPC content gets provisioned for every customer tenant and will be locked.

- 1. To make content changes, you must first execute the duplicate function against the standard IPC content, so that it creates a copy.
- 2. Then rename it to make it customer specific, or to specify it according to your naming conventions.
- 3. Then start to make modifications from there.

Duplicate creates the folder with a suffix of (1) or the next available number.

The content is organized in folders, using the Process Repository tree you can navigate to each folder in the structure.





Welcome to the Process Modeler and IPC

# User Interface & Navigation

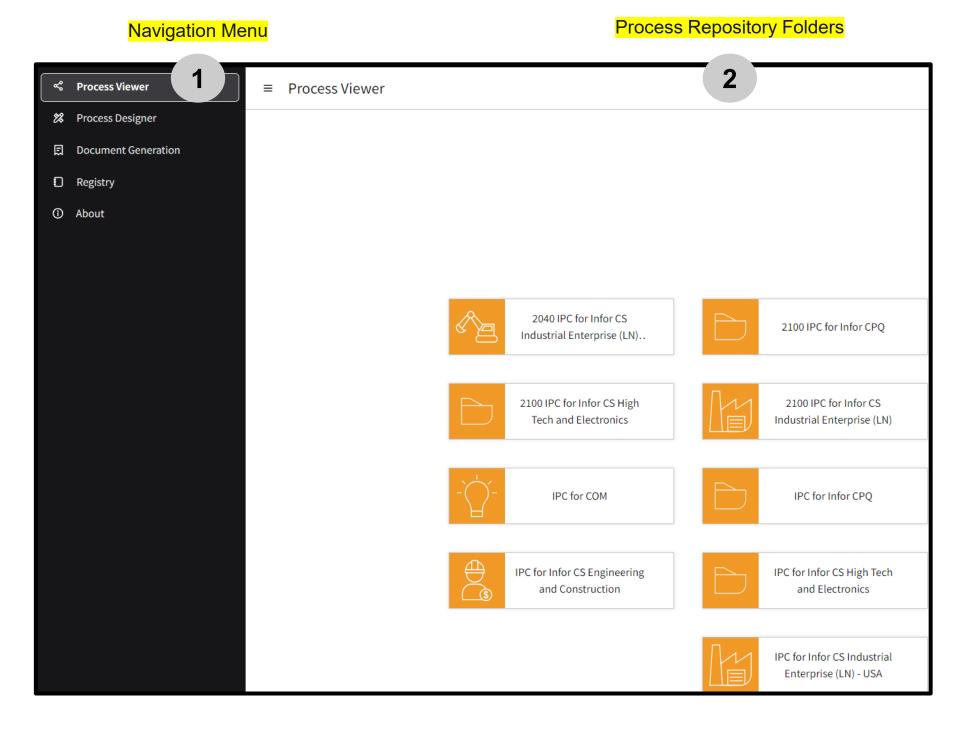


#### **User Interface & Navigation**

#### **Processes**

The menu on the left side shows the different navigation options

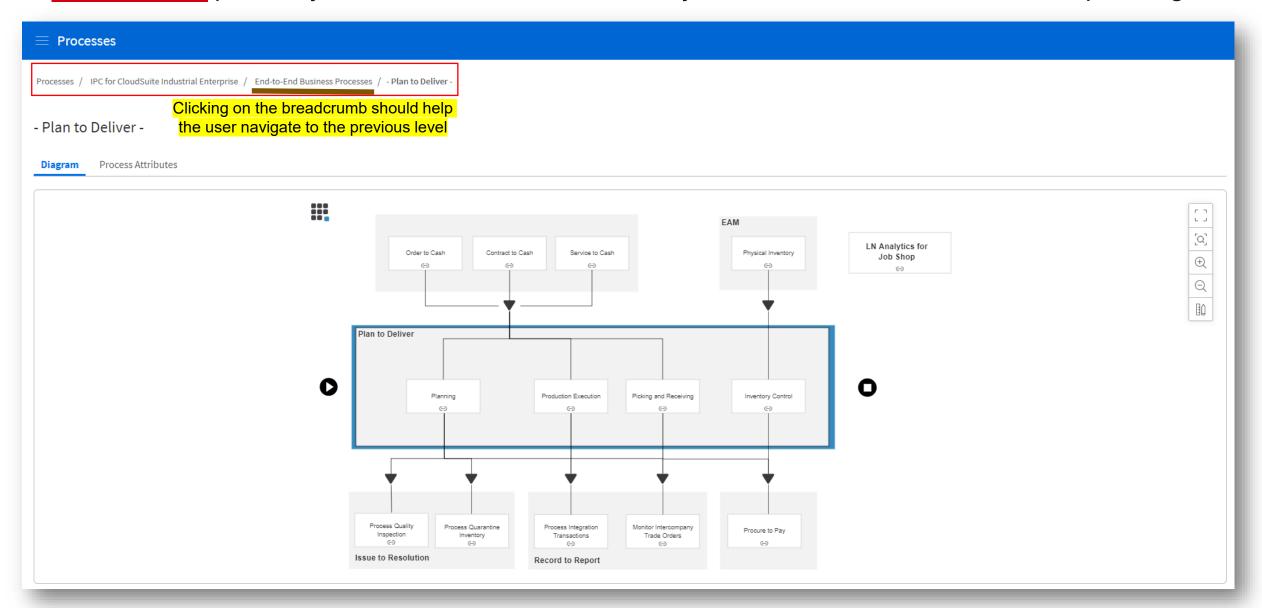
Infor Process Modeler has a familiar folder-based structure to organize the content in a Process Repository





#### **Breadcrumbs and Navigation**

The breadcrumbs provide you with an indication of where you are in the content tree and helps navigation.





Welcome to the Process Modeler and IPC

# Process Designer – BPMN 2.0



## Navigation

**Toolbar** 

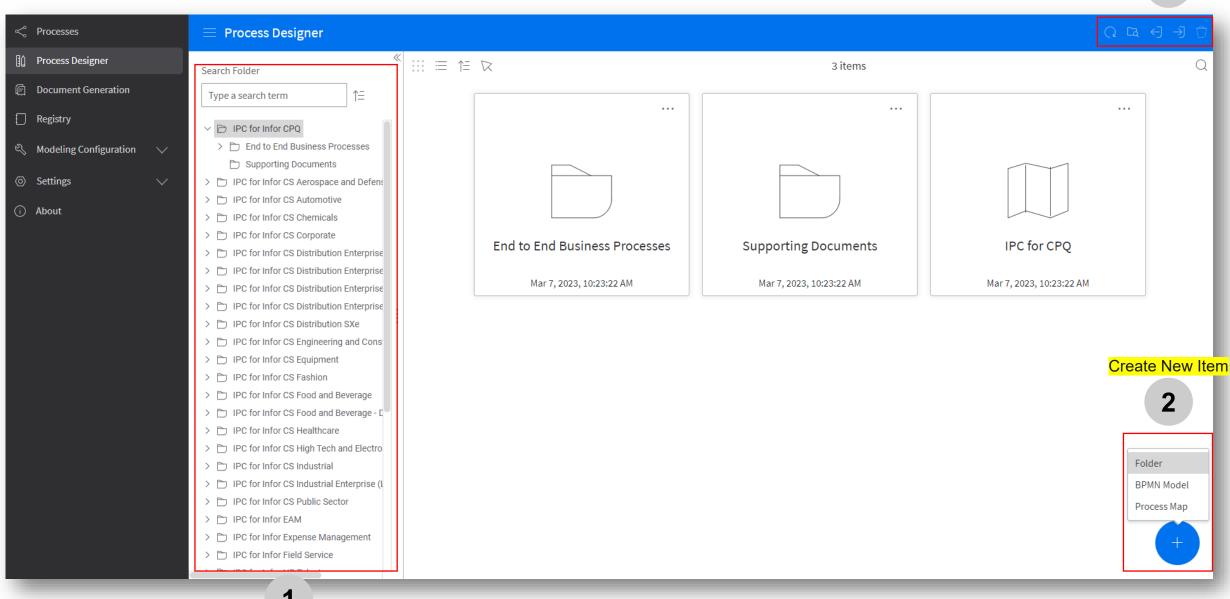
3

#### **Process Designer**

- 1. Process repository tree
- 2. Create new
  - Folder
  - BPMN Model
  - Process Map
- 3. Toolbar (left to right)



- Refresh
- Compare Folders
- Export content
- Import content
- Delete item





**Process Repository Tree** 

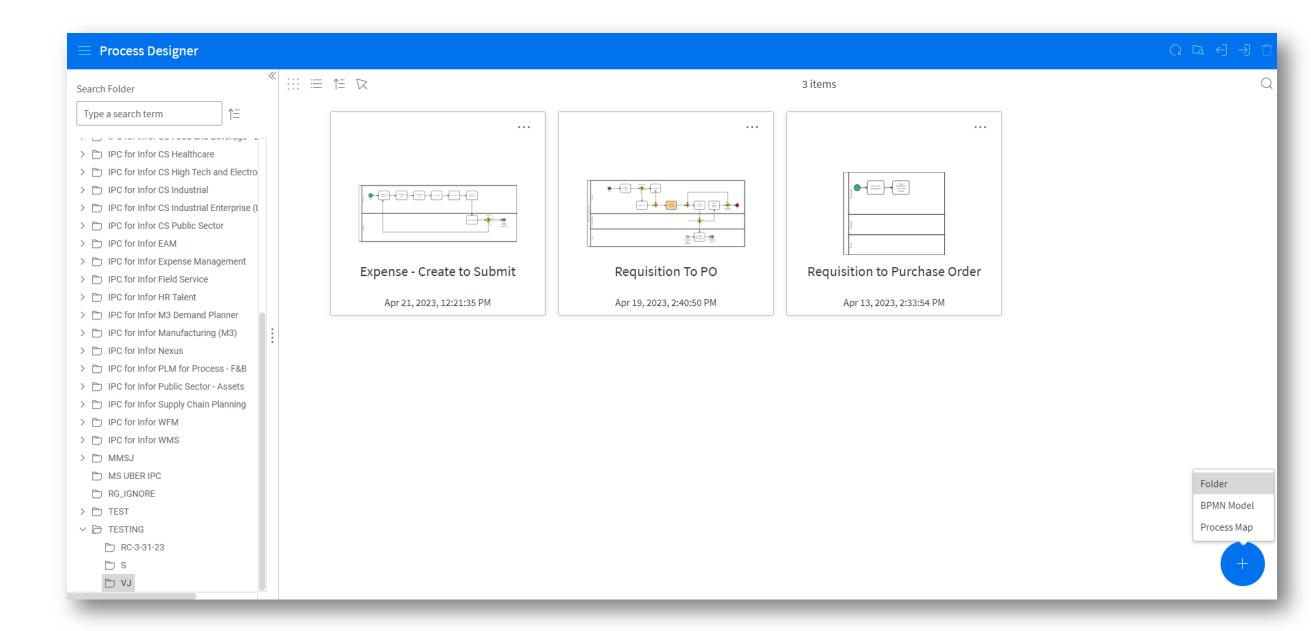
#### **Create a Folder**

1

From the Process
Designer screen,
click on the + sign on
the bottom right of
the screen

2

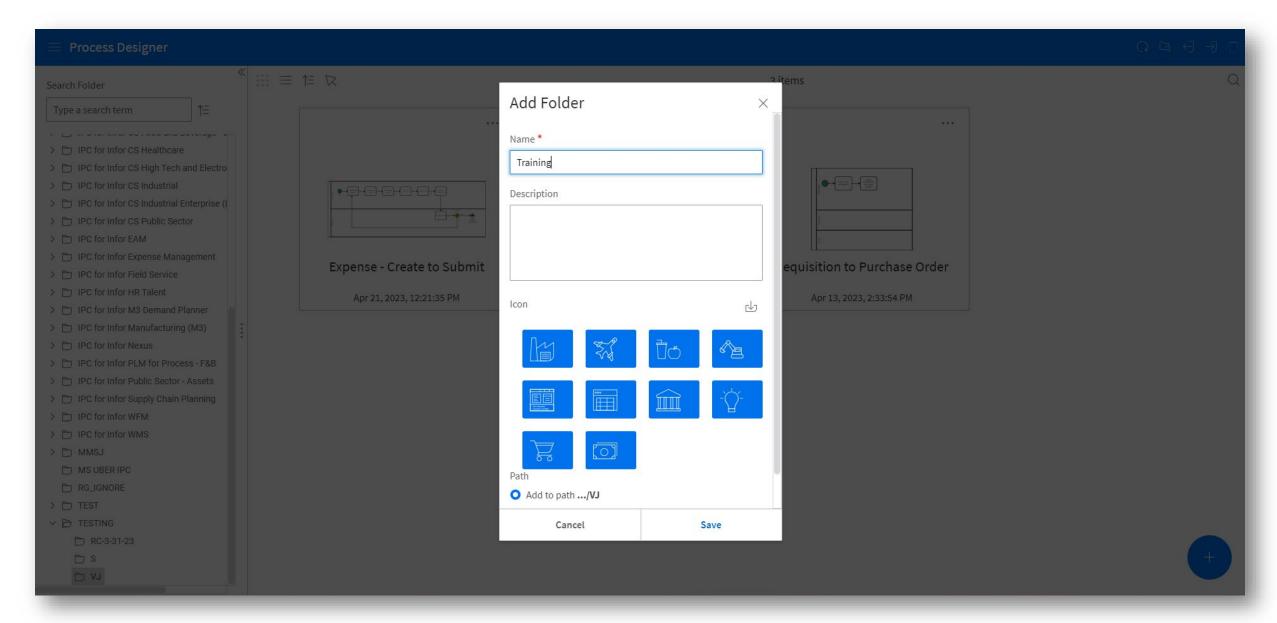
Select Folder





#### **Create a Folder**

- Enter the Name and Description
- Select an Icon as needed
- Choose the path where the folder needs to be created
- Click Save.





Welcome to the Process Modeler and IPC

# Create BPMN Model



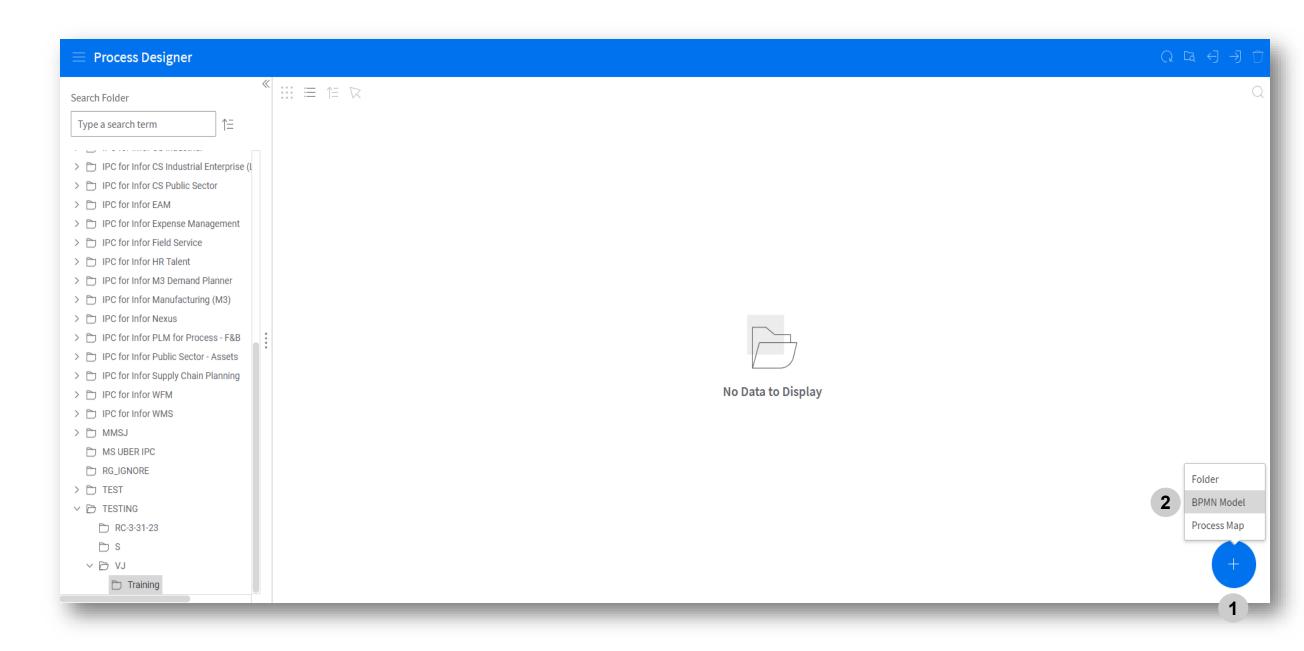
#### **Create a BPMN Model**

1

From the Process
Designer screen,
click on the + sign on
the bottom right of
the screen

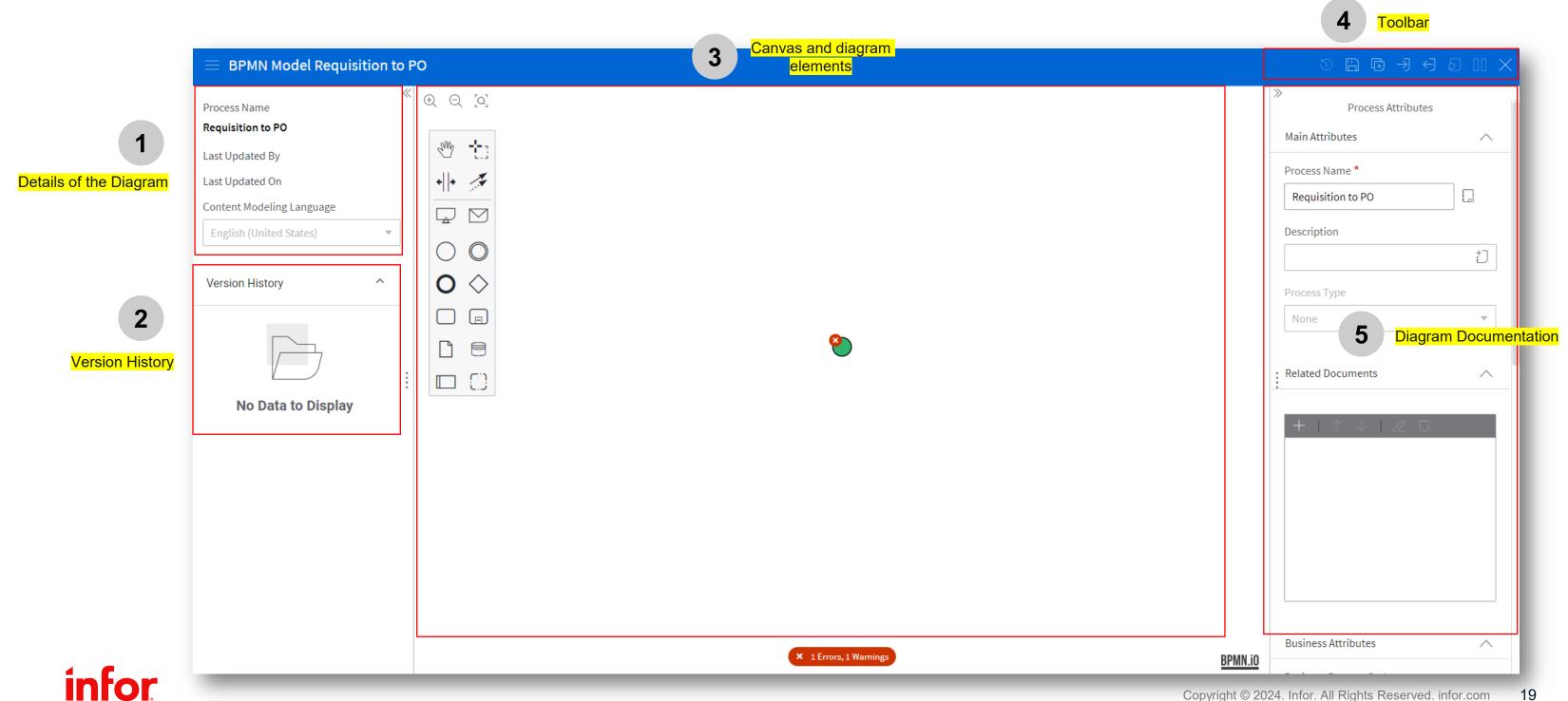
2

Select BPMN Model

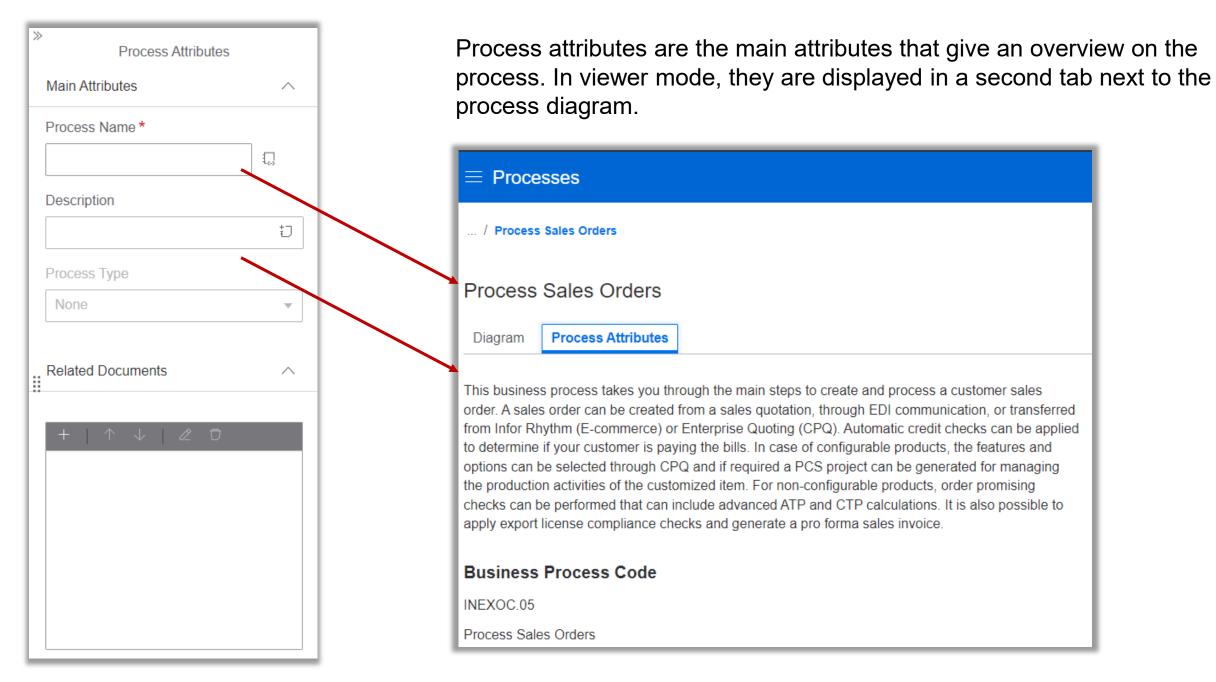




#### **Create a BPMN Model**

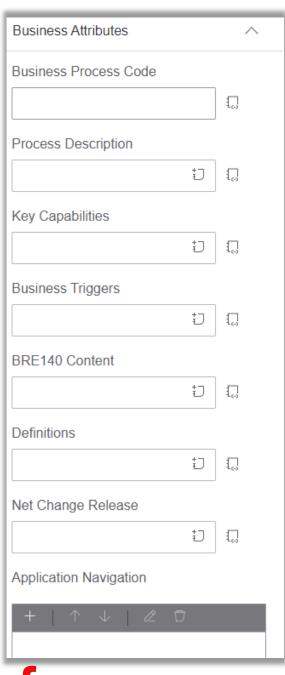


#### **Process Attributes**





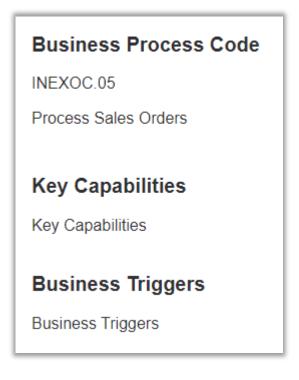
#### **Business Attributes**



Business Attributes are used as an input for document generation, e.g. field BRE-140 content.

In viewer mode, they are displayed in a second tab next to the process diagram.

#### Viewer Mode:



Process designers can use these additional fields to give more details on processes, for example their capabilities and triggers.



#### **IPC Process Notation**

Business Process Code INEXPP.35

Industry / Vertical of CloudSuite INE = Industrial Enterprise

Placeholder if Industry abbr. has 3 letters

End to End Process
PP = Procure to Pay

Process Number
.35 = Process Return Purchase Order

Activity Process Code INEXPP.35.05

Sequence of process steps .05 = First process step



## **Canvas and Diagram Elements**

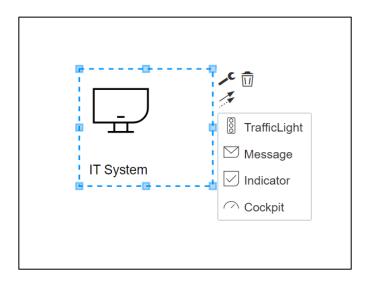


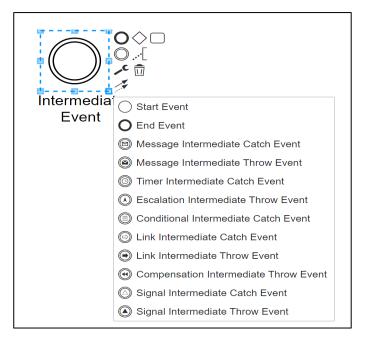


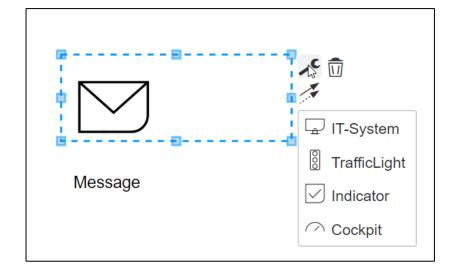
Name	Icon	Location	Description
Zoom In		Toolbar on canvas	Increase the diagram size.
Zoom Out		Toolbar on canvas	Decrease the diagram size.
Fit to Screen		Toolbar on canvas	Reset zoom and make the diagram fit in the available canvas space.
Hand Tool		Toolbar on elements palette	Helps you move the whole diagram on the canvas.
Lasso Tool		Toolbar on elements palette	Click and drag the lasso tool to select a few elements and move them together.
Create/Remove Space		Toolbar on elements palette	Helps add or remove the space between the elements on the canvas.
Global connect tool		Toolbar on elements palette and element context menu	Connect elements by using SequenceFlow, MessageFlow, or Association.
Change type		Element context menu	Change this element into another element with a similar type.
Append		Element context menu	Add a text annotation.
Remove		Element context menu	Remove this element from the diagram.

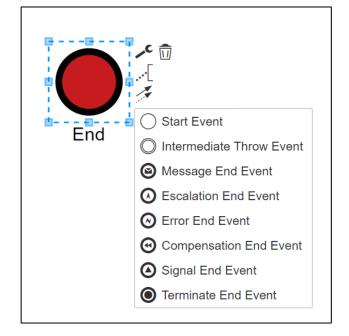


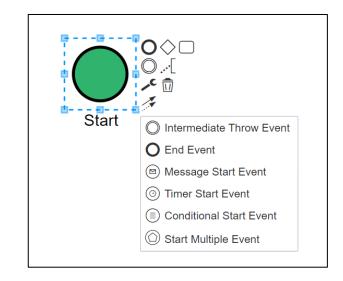
#### **Canvas and Diagram Elements**

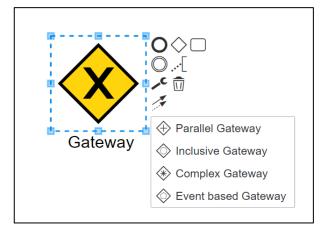






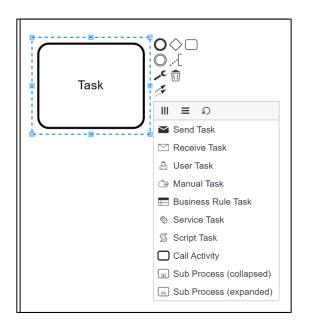


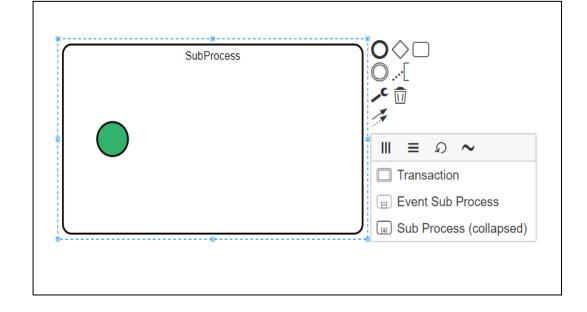


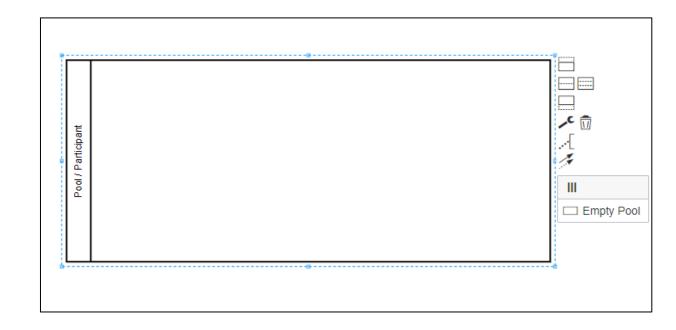


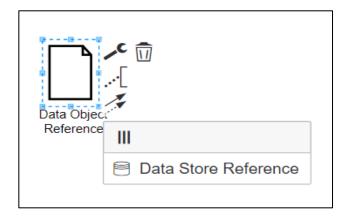


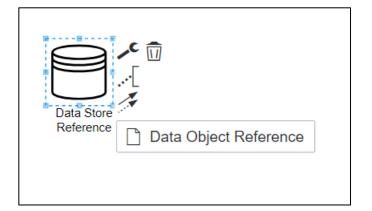
## **Canvas and Diagram Elements**

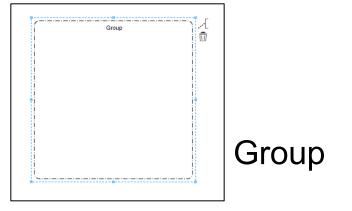








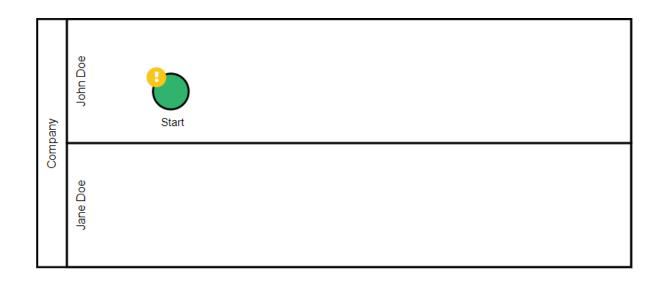






#### Swimlanes vs. Pools

- Pools describe whole organizations / IT-Systems.
  - 3<sup>rd</sup> party / external systems are modelled with an empty pool.
- Swimlanes describe who is executing a specific set of tasks in a certain pool.



- 1 Pool (Company)
- 2 Swimlanes (Jane Doe and John Doe)



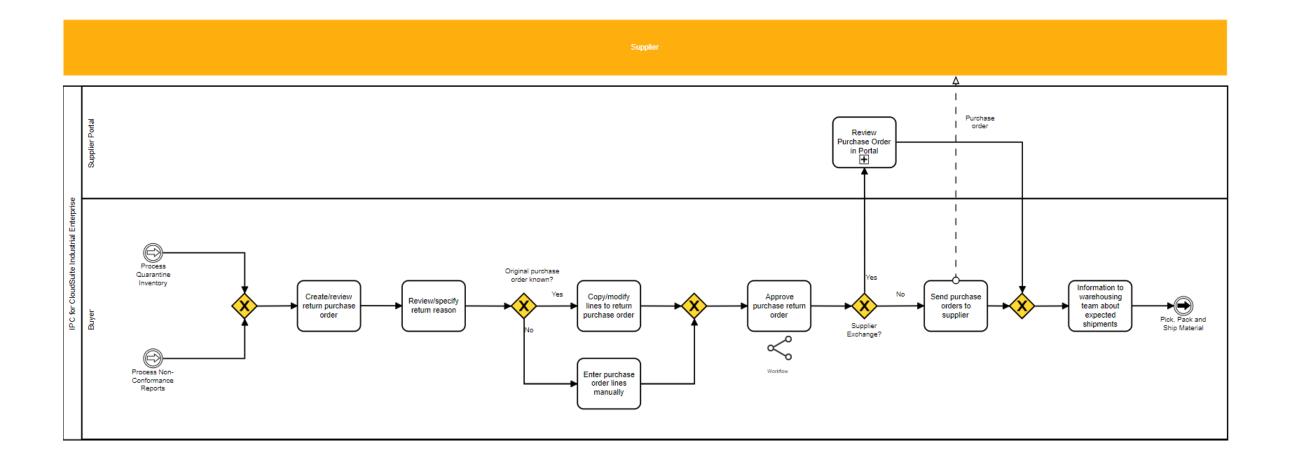
- 2 Pools (Company and Supplier)
- 2 Swimlanes (Jane Doe and John Doe)



#### Swimlanes vs. Pools

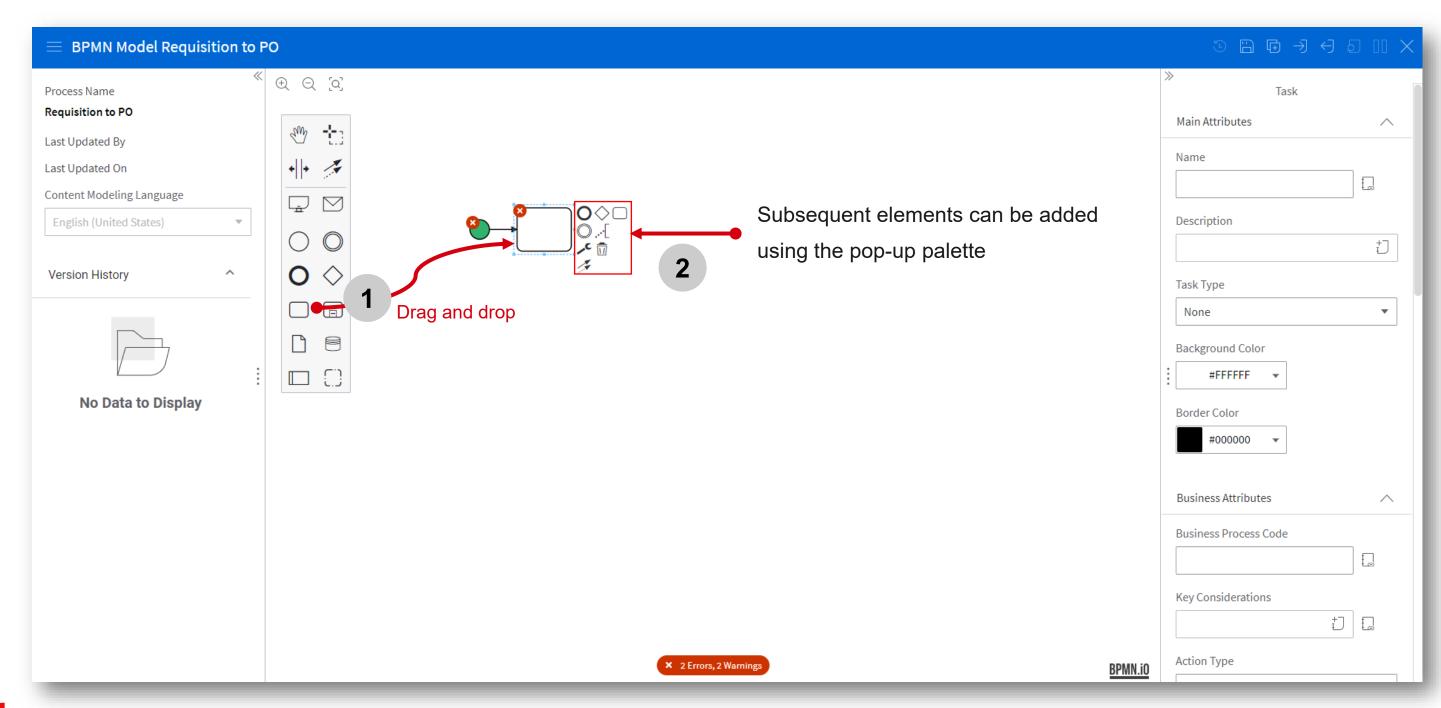
#### Example:

Create return purchase order process is executed in ERP and sent to supplier (= 2 Pools). In ERP, two different actors are involved (= 2 swimlanes).



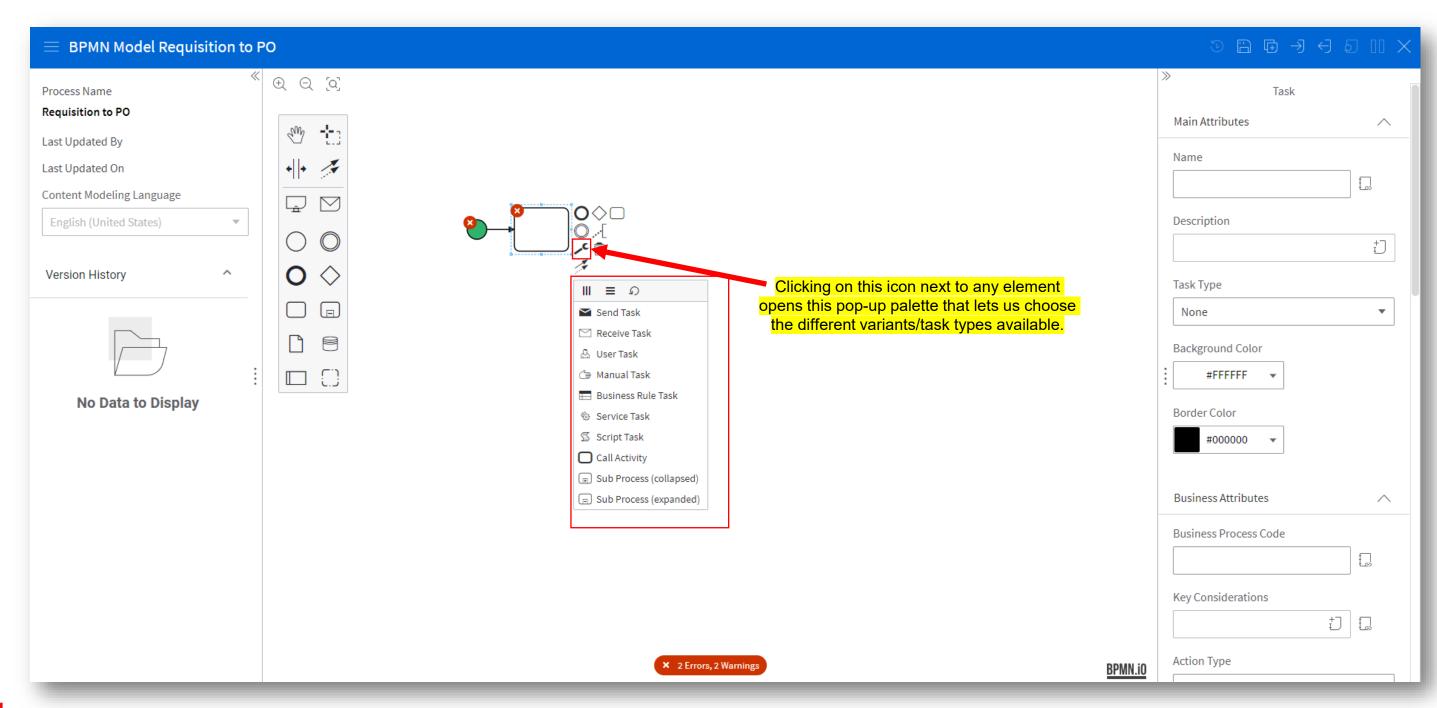


#### **Create a BPMN Model**



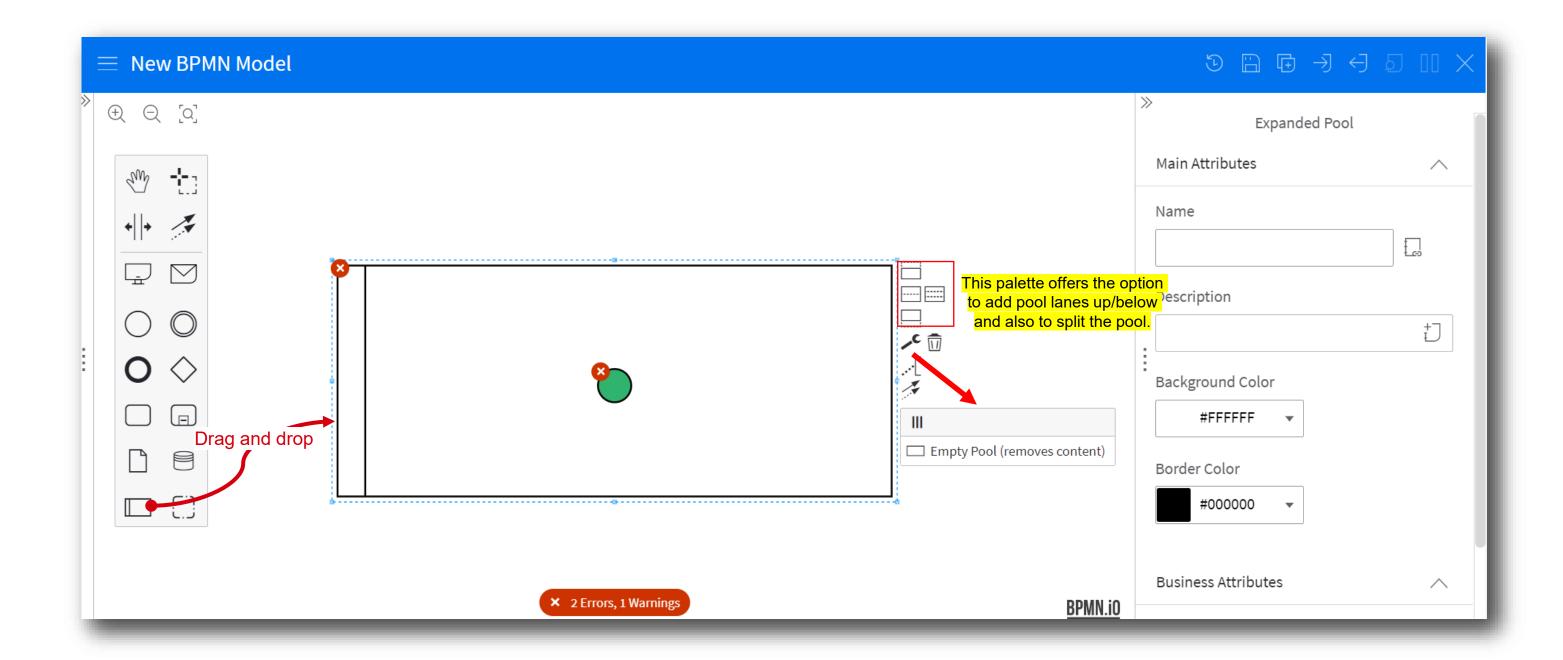


#### **Create a BPMN Model**





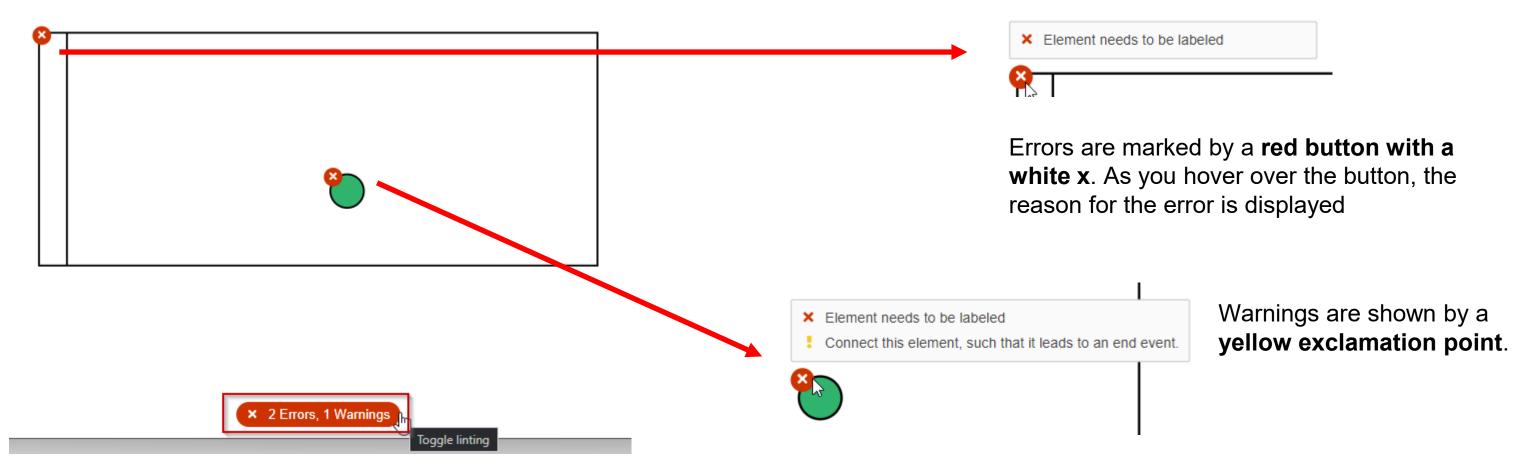
## **Adding Pool element**





#### **Errors and Warnings**

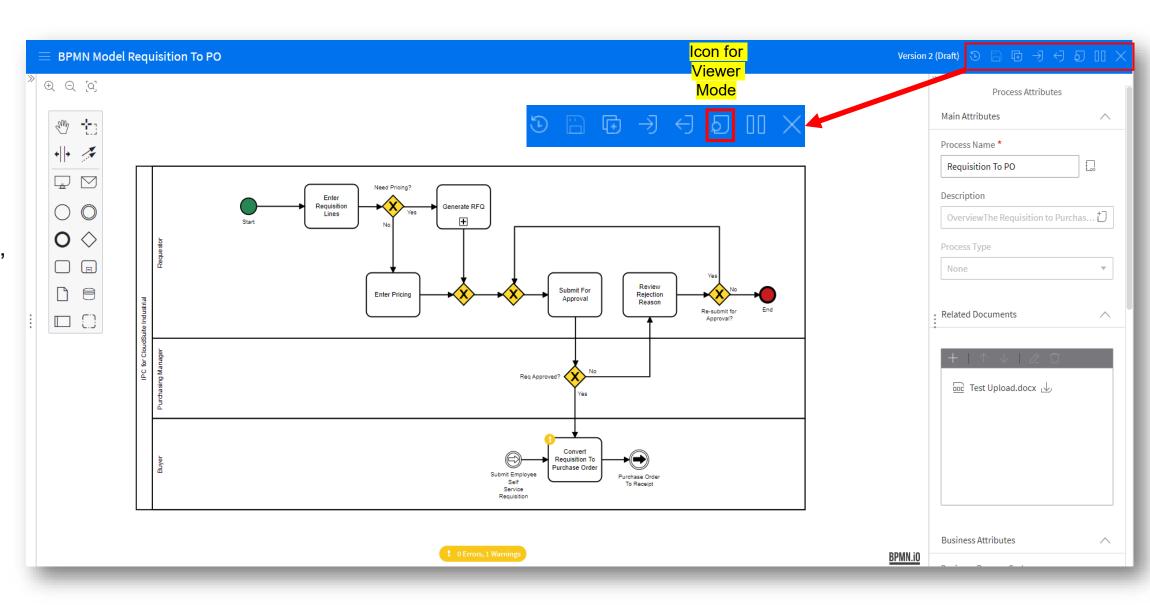
The BPMN Model is automatically validated as it is being built. You can turn on or off the validation functionality by clicking the **Toggle** validations button at the bottom of the canvas.





#### **Viewer Mode**

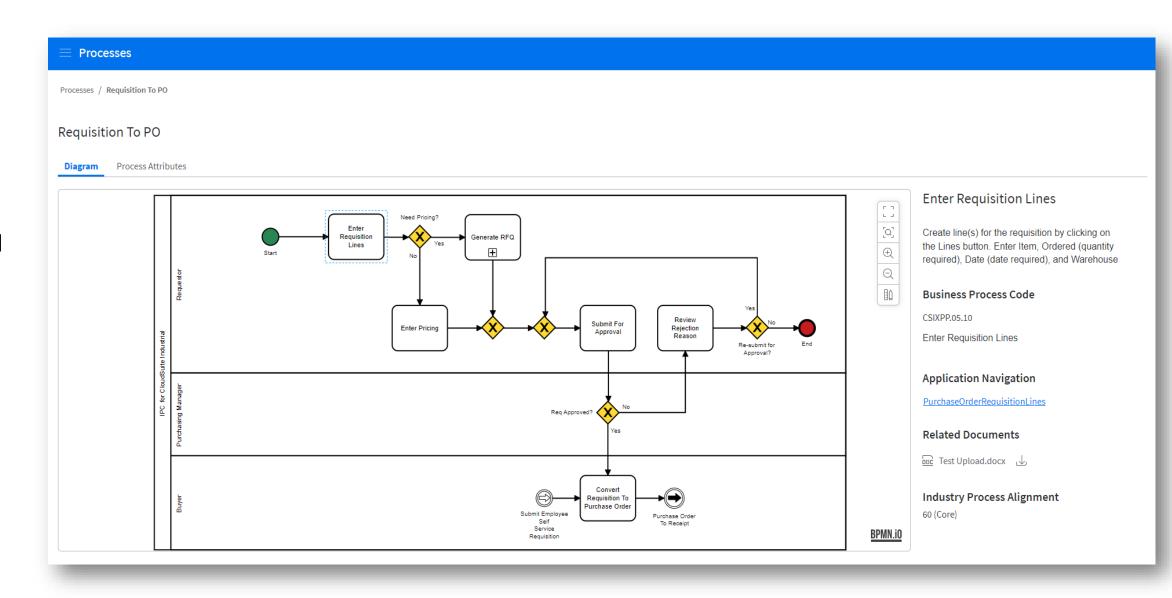
Once the BPMN diagram is built and all the necessary attributes and links are complete, the changes can be saved, and we can enter the viewer mode by clicking on the icon on the top right, left to close icon.





#### **Viewer Mode**

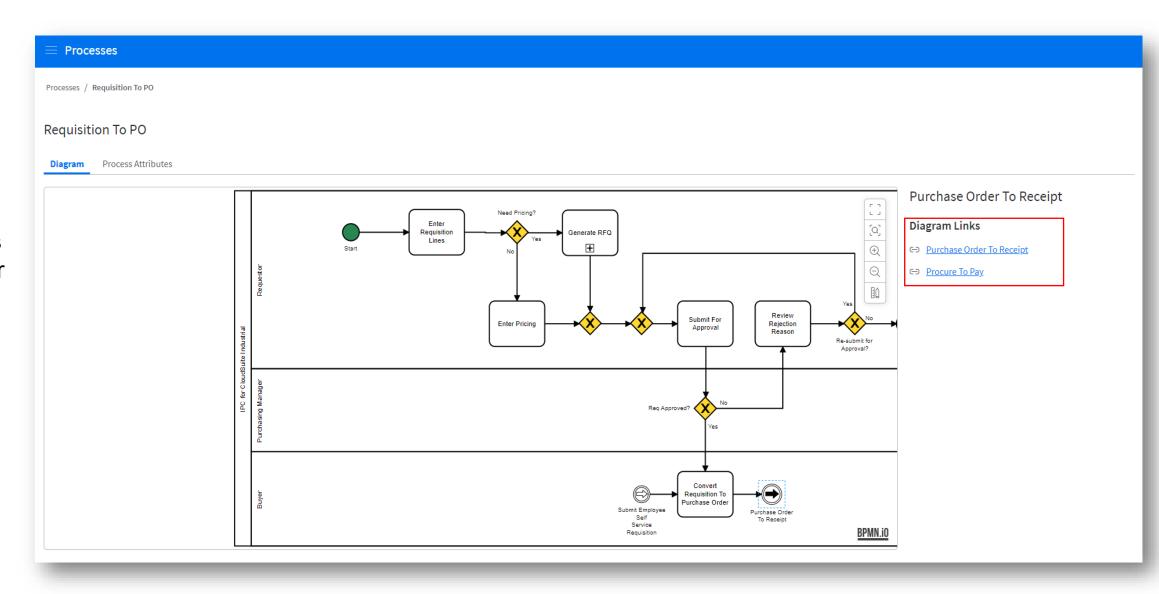
In the viewer mode, all the attributes we attached, the links we added to the model and the documents attached will all be available for the viewer.





#### **Viewer Mode**

Clicking on the Intermediate throw event which has links to multiple diagrams opens the right pane with links to the diagrams for navigation.



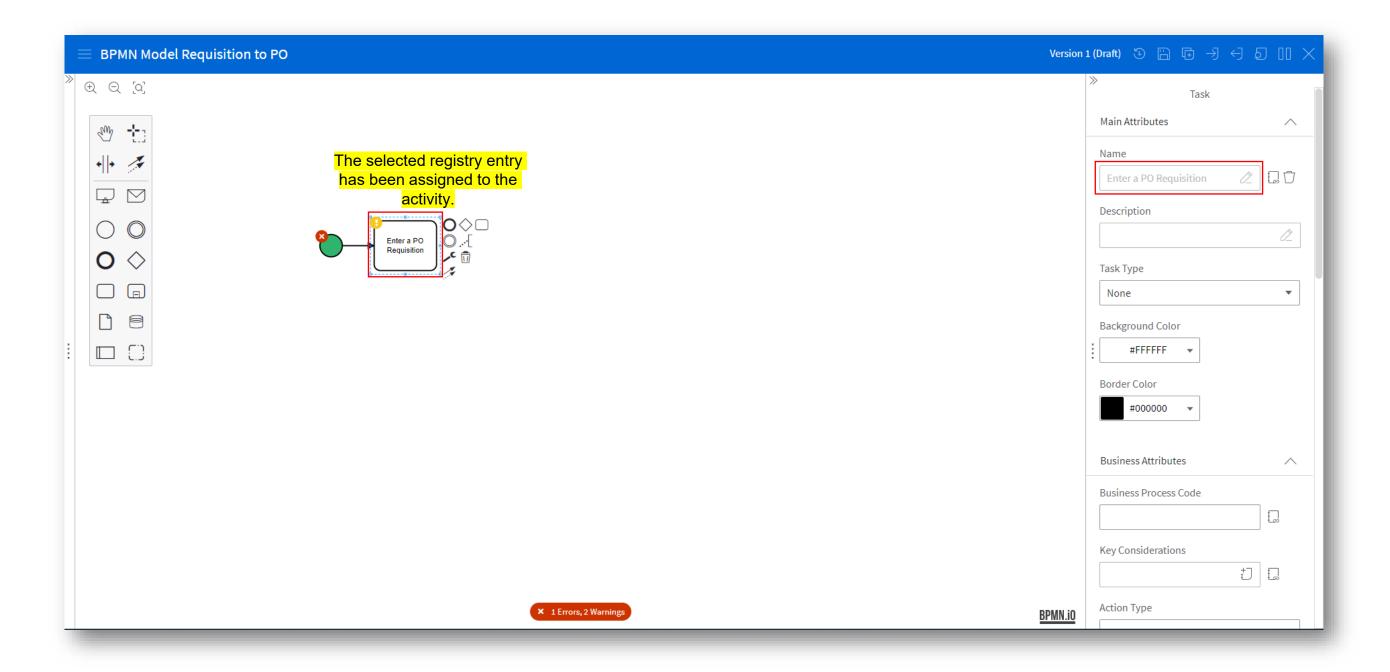


Welcome to the Process Modeler and IPC

# Registry – Naming of Events



## Naming Events using Registry Entry





Welcome to the Process Modeler and IPC

## Sub-processes & intermediate events



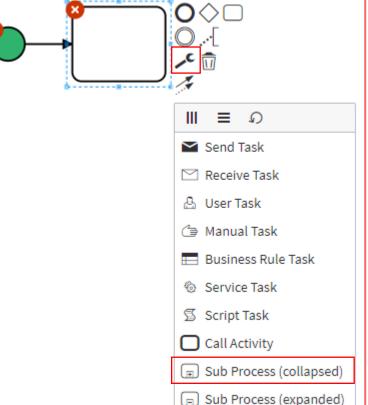
#### Adding a Sub-Process

A sub-process is a separate process that is embedded in another process. This element can be added to a BPMN model in two ways.

Adding a Task element and then accessing the pop-up palette, by clicking on the wrench

icon next to the element.

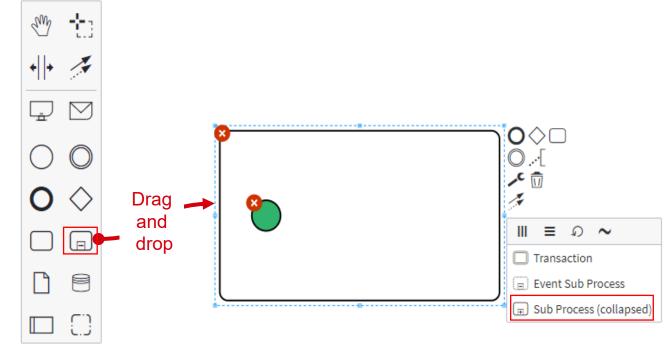
In the pop-up palette, the element Sub Process (collapsed or expanded) can be selected)



2

Adding the expanded sub-process element from the elements menu and then accessing the pop-up palette, by clicking on the wrench icon next to the element.

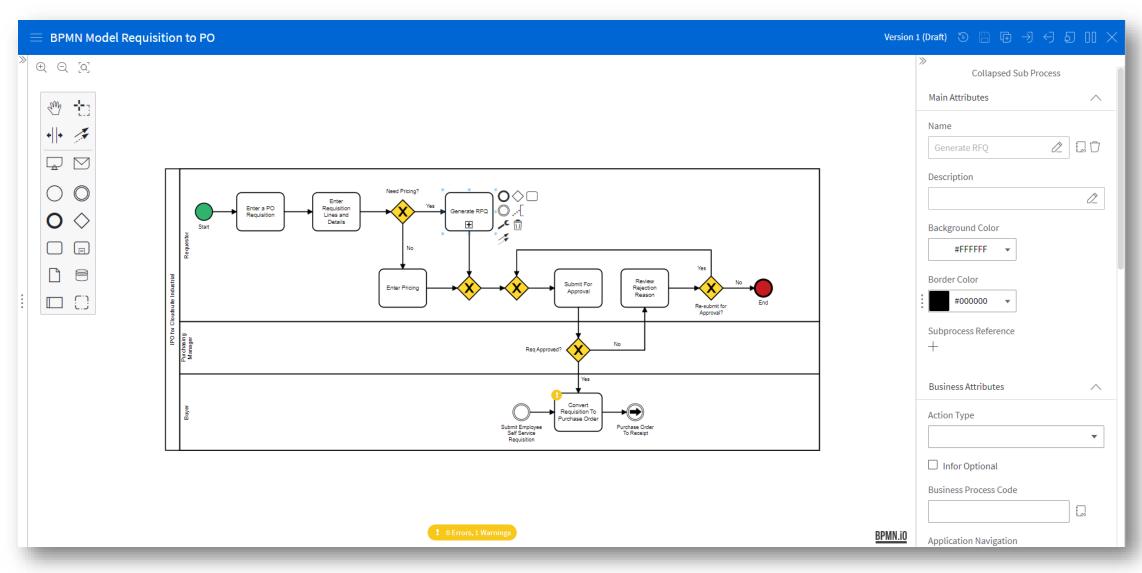
In the pop-up palette, the element Sub Process (collapsed) can be selected)





#### Adding a Sub-Process

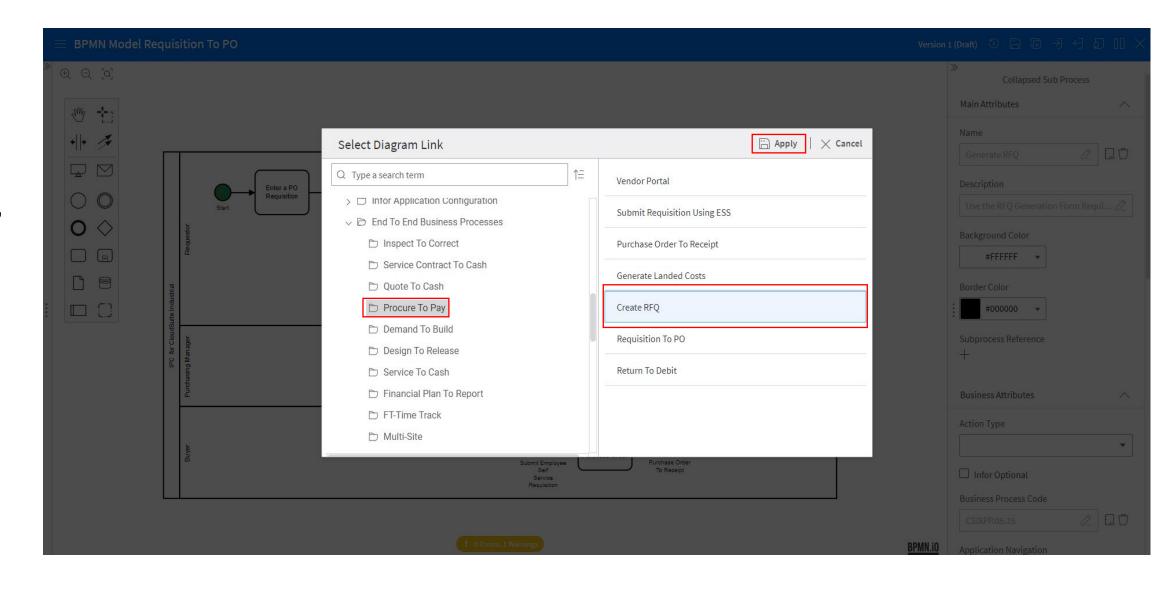
Once the sub-process element is added, we can link the element to another process by clicking on the + sign below Subprocess Reference under the Main Attributes section on the right





#### Adding a Sub-Process

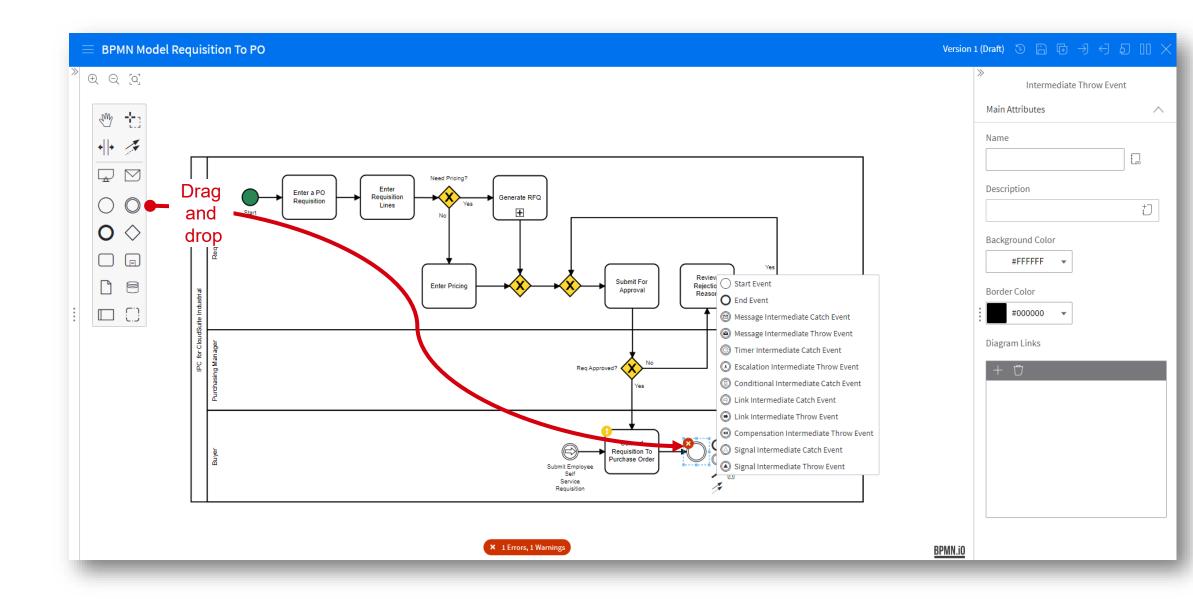
In the Select Diagram Link pop-up screen, the sub process diagram is selected and added as the subprocess reference to the BPMN model.





An intermediate event can be added to a BPMN model from the elements menu on the left

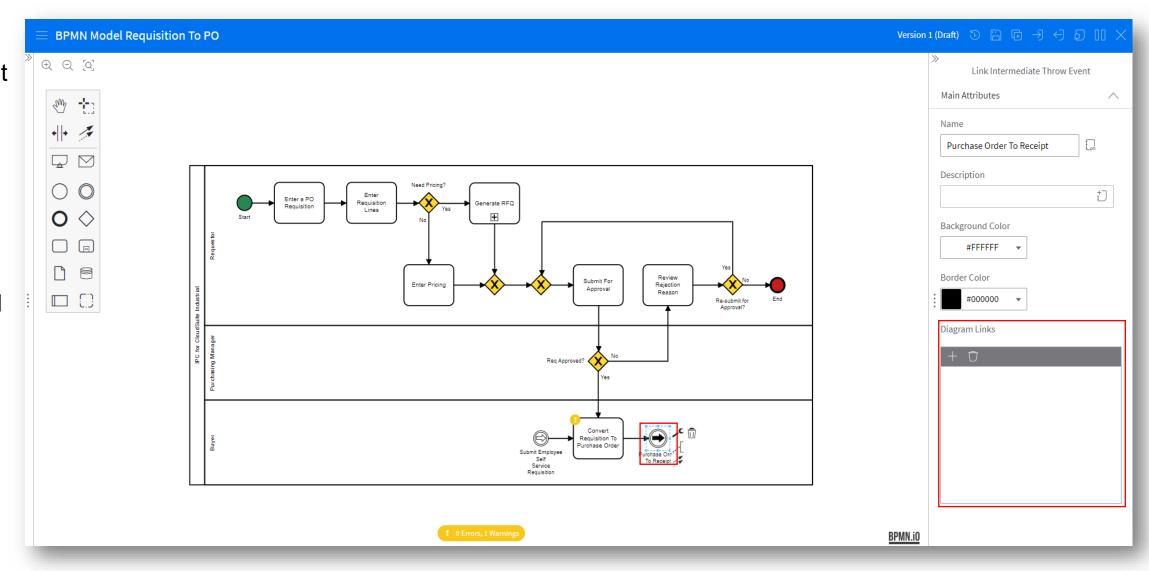
In the pop-up palette, the element type can be changed to Intermediate Catch/Throw events etc.,





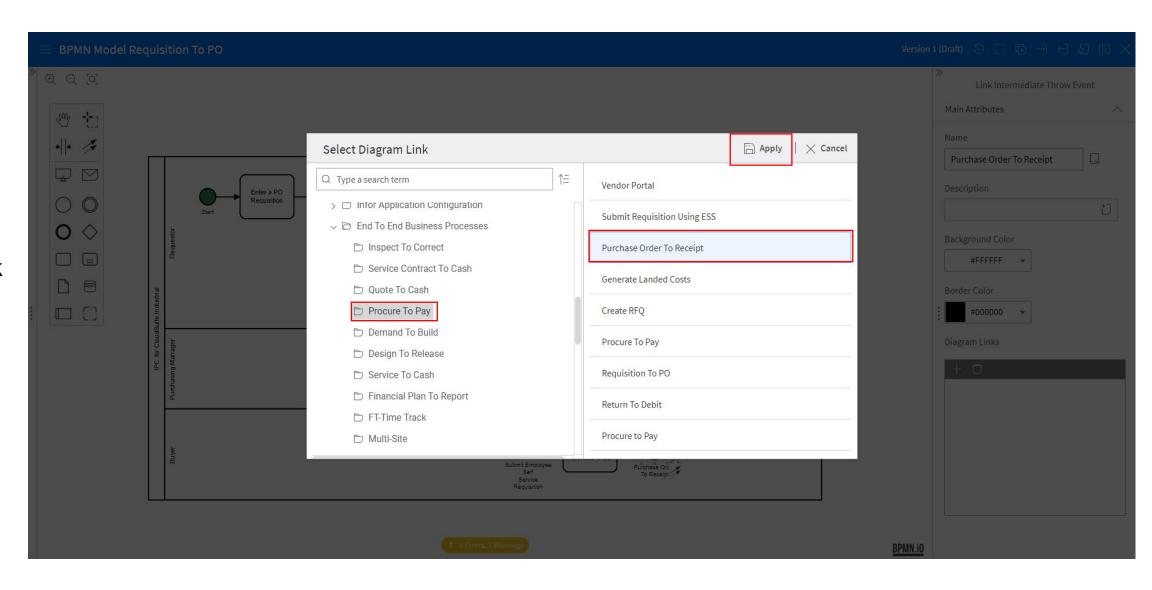
Once the Intermediate Throw Event element is added, we can link the element to one or more processes by clicking on the + sign below Diagram Links under the Main Attributes section on the right.

Having the ability to link multiple diagrams helps in creating a clean business process in place, where there are multiple throw and catch events present in the business process.

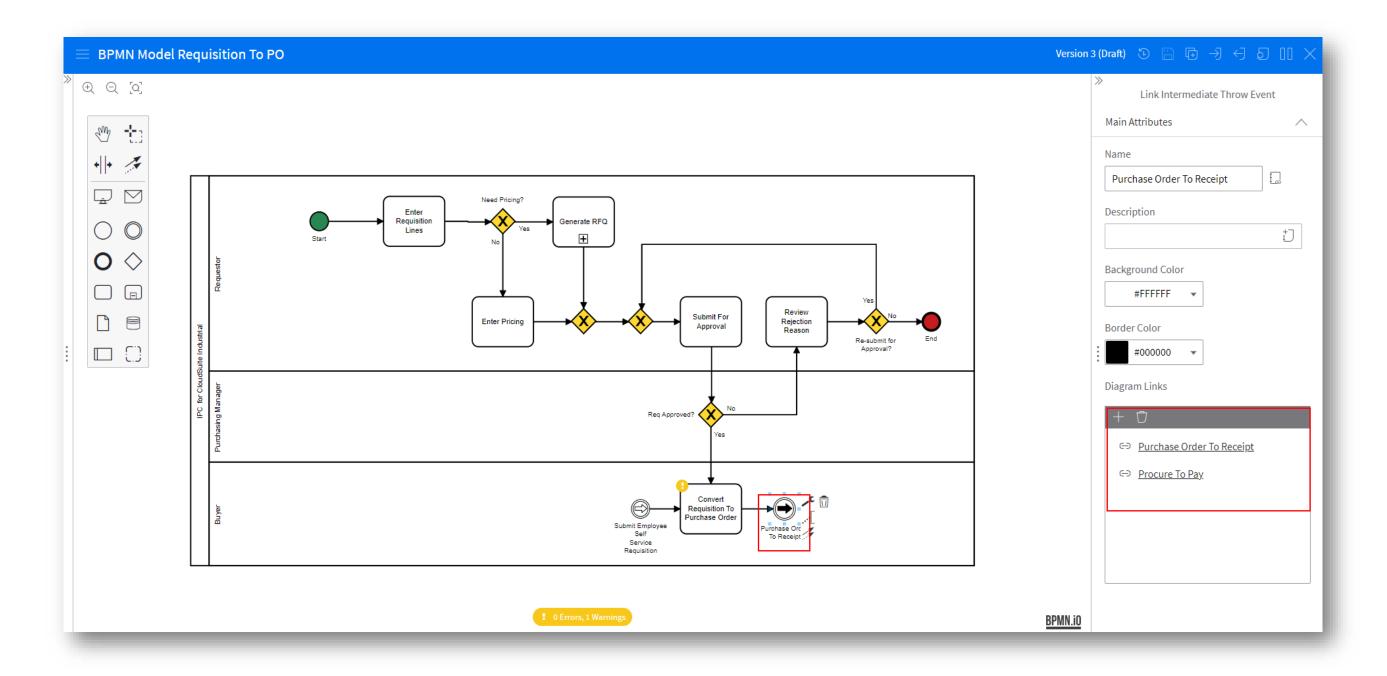




In the Select Diagram Link pop-up screen, the sub process diagram is selected and added as the Intermediate Throw Event link to the BPMN model









Welcome to the Process Modeler and IPC

# Adding Application Navigation

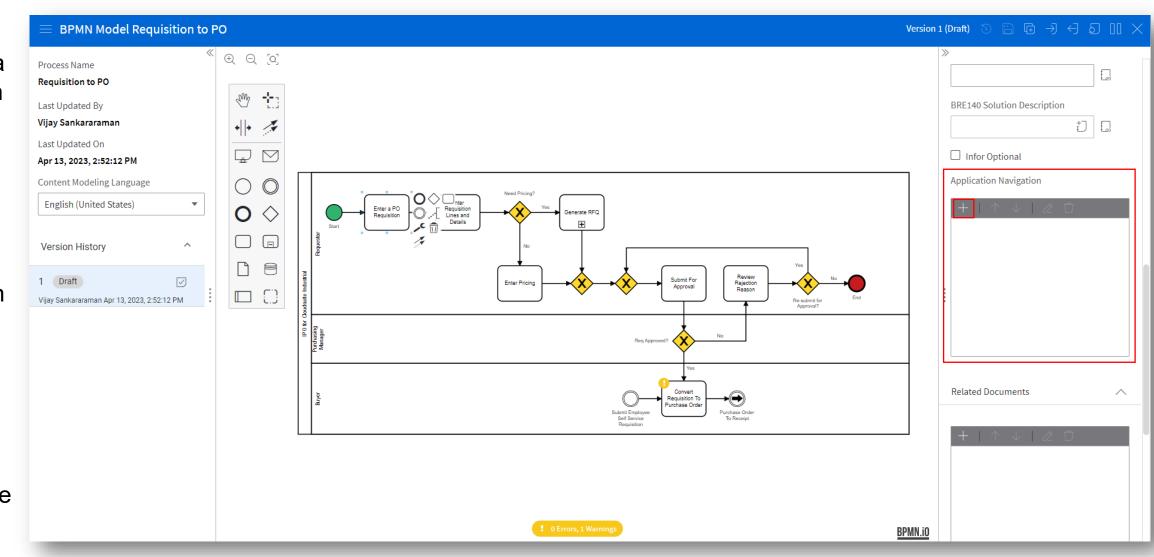


#### **Adding Application Navigation**

Application Navigation is used to assign a form/session of the underlying application to an element such as tasks, gateways etc., in the corresponding Infor application.

Some examples of the application can be – LN, M3, FSM/HRT, SyteLine, FactoryTrack, Infor OS Components such Workflows, Notifications, Alerts etc.

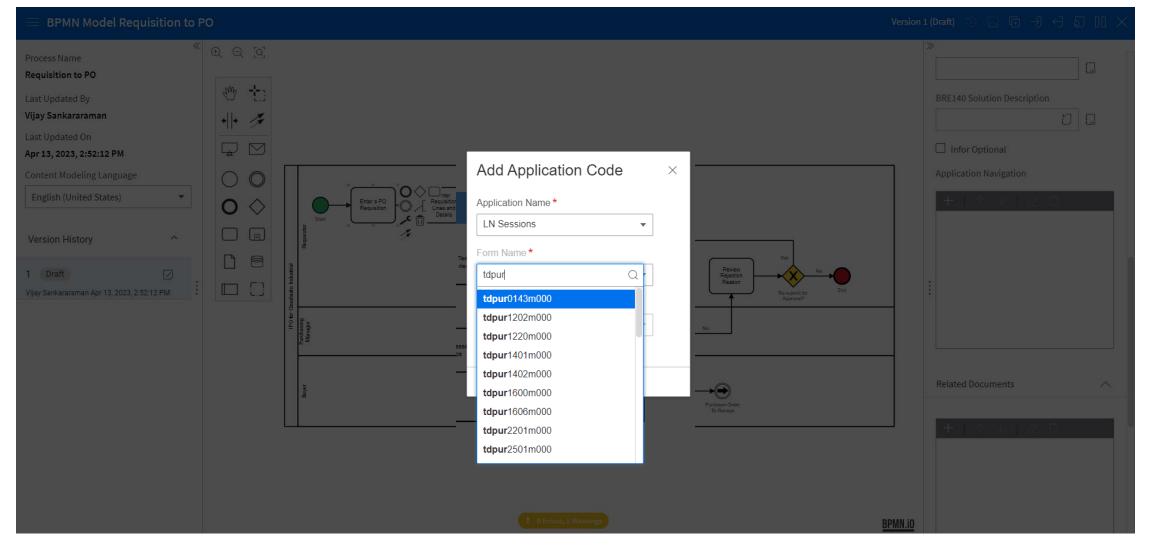
The Application Navigation reference can be added to a task or an activity by clicking on the + sign under the Application Navigation section under Business Attributes on the right side of the diagram.





#### **Adding Application Navigation**

The Application Name is selected. Then the Form Name is searched for and added to the task/activity.

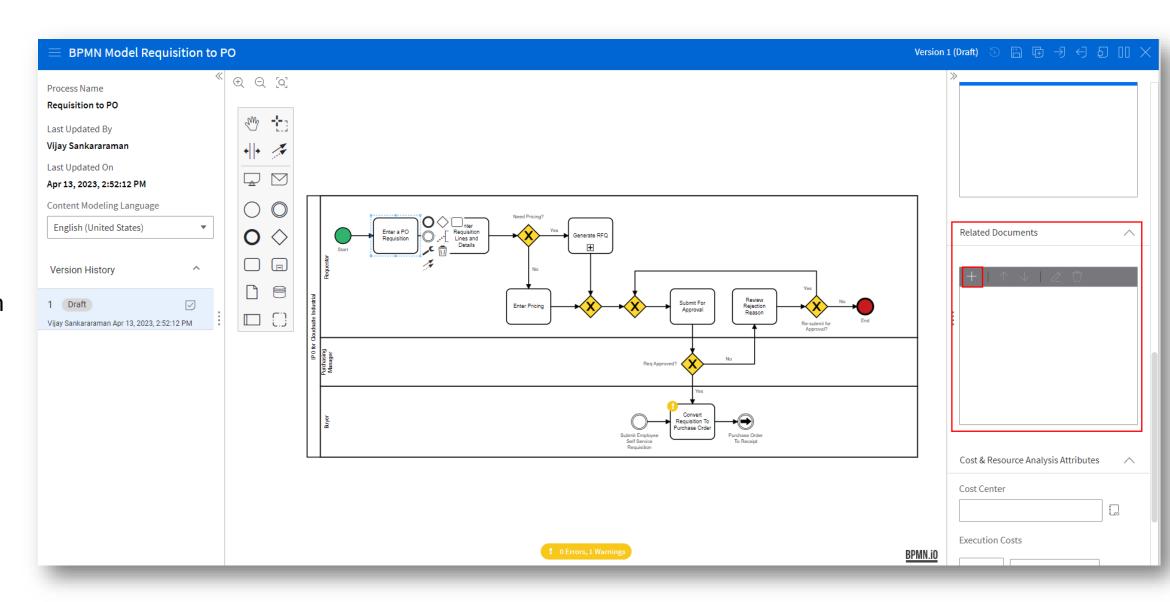




#### **Adding Application Navigation**

Documents and URLs can be attached to Events/Tasks or to the entire process.

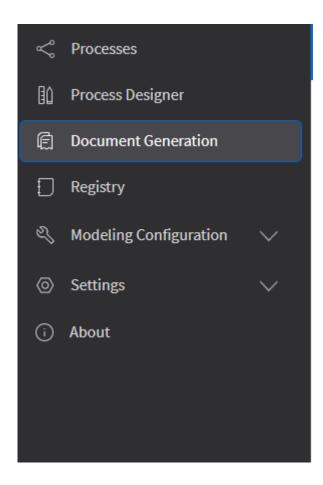
This can be done by clicking on the + sign in the Related Documents section under Custom Attributes on the right side of the diagram.



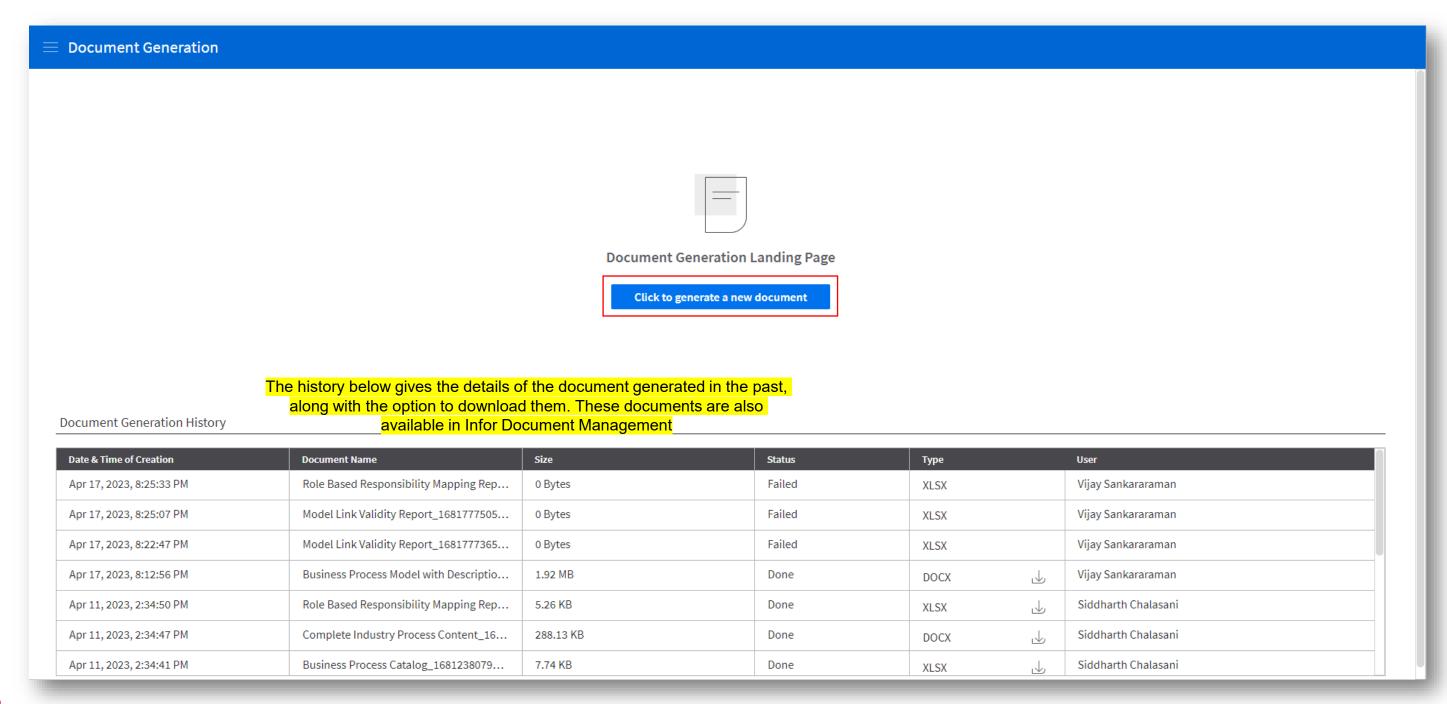


- This feature generates several documentation for the IPC content from Process Modeler which
  will be stored within customer's Infor document management. The same document is also shared
  with the organization's business users for their future reference. These documents can be
  generated for the modified and newly created business processes.
- Using document generator, the following documents get generated:
  - Business Process Model with Description
  - Business Process Model with Description & Activity Details
  - Business Blueprint
  - Business Process Catalog
  - Model Link Validity Report
  - Process Characteristics
  - Role Based Responsibility Mapping Report
  - Complete Industry Process Content

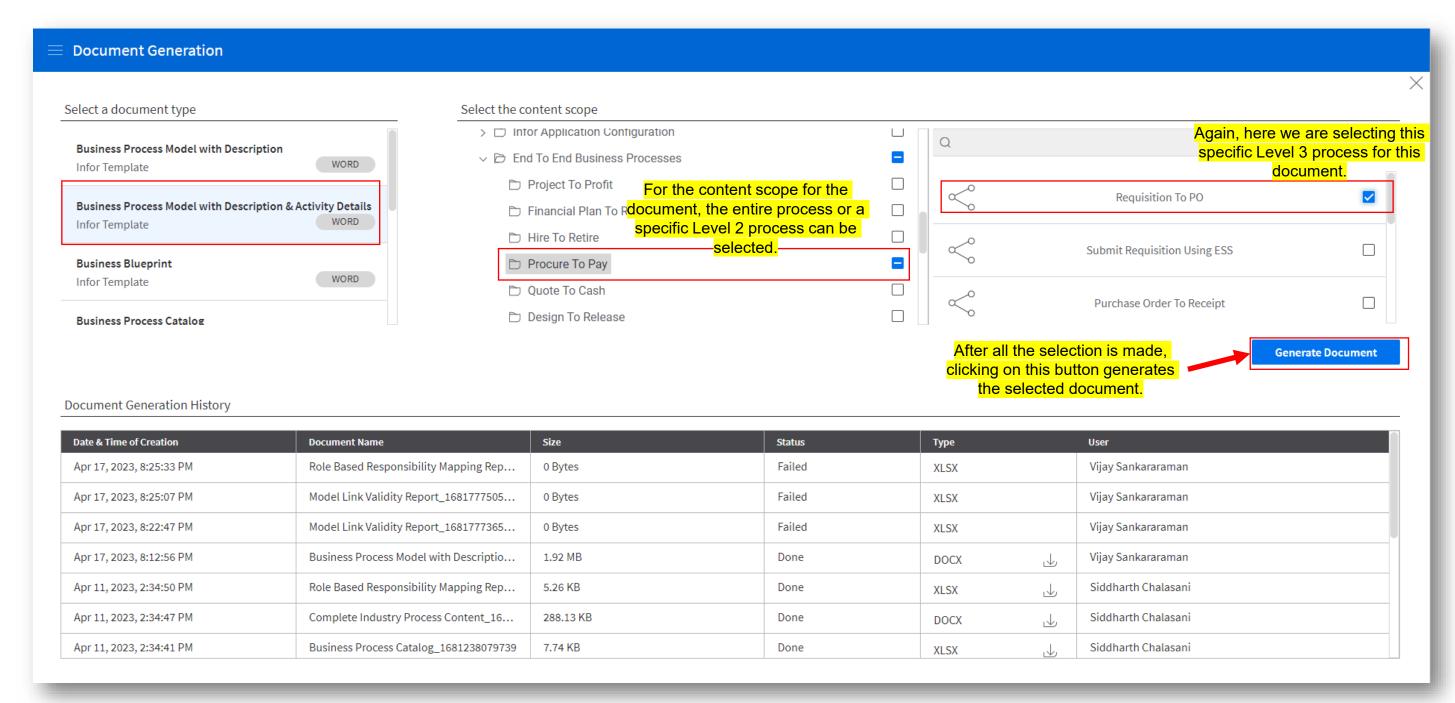
**Note:** The above-mentioned documents are generated based on static mapping from the attributes present in the diagram types.



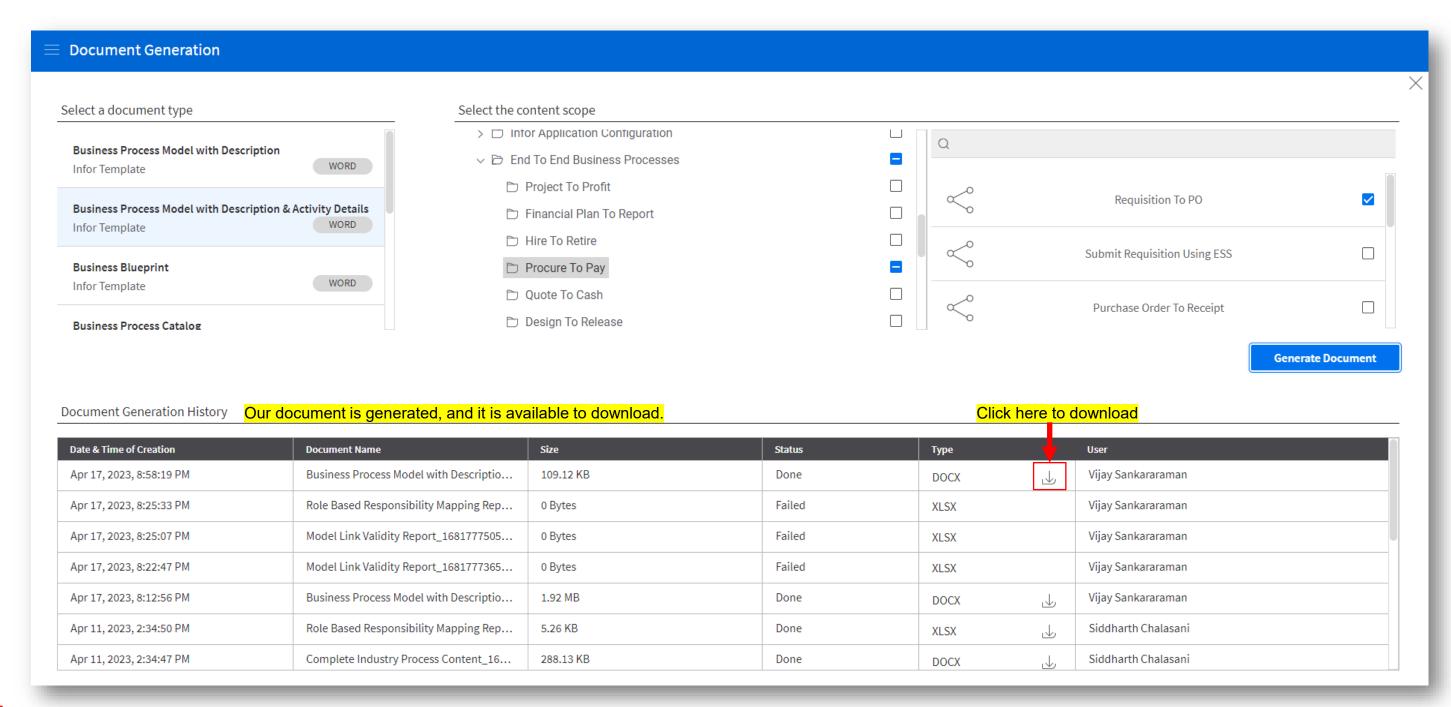
















### Summary & Q&A

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