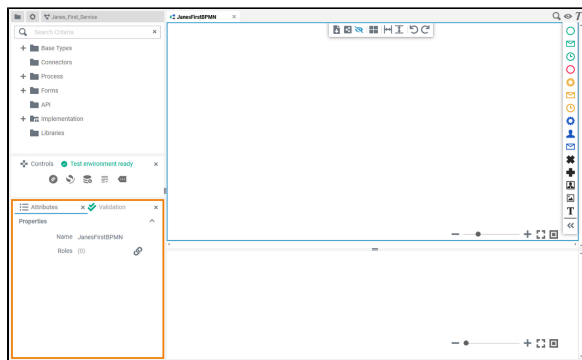


Changing BPMN Element Attributes

The **Attributes** panel displays the settings of a selected BPMN element. You can use the panel to manage the element's attributes. You can also drag & drop attributes from the panel to the pane to display them in the diagram.



If you use the panel preset, the attributes panel is displayed in the lower left corner. To return to the panel preset, go to the [user preferences](#) and use the button **Reset Panels**.

On this Page:

- [Creating an Attribute on the Diagram Pane](#)
- [Managing the Attributes' Content](#)
 - [Standard Attributes](#)
 - [Additional Attributes](#)
 - [How to Use the Scheduler/Timer](#)

Related Pages:

- [Modeling BPMN](#)
 - [Working with the BPMN Editor](#)
 - [Styling BPMN Elements](#)
- [PAS Designer Developer Guide](#)
 - [Supported BPMN Elements](#)

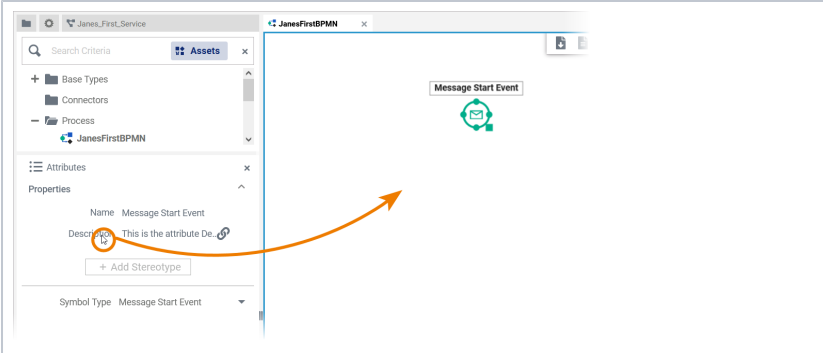




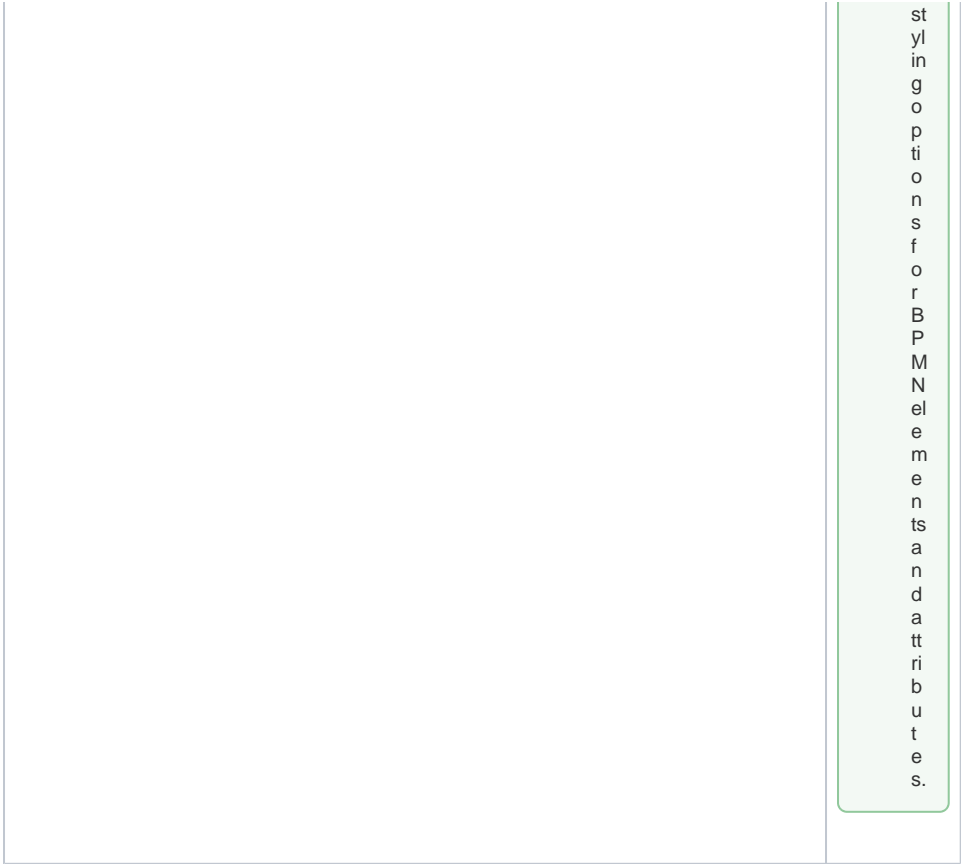
Refer to Customizing Editors and Panels for detailed information about panel management in general.

<div> <div> Attributes </div> <div> <div>Properties</div> <div> <div>Name</div> <div>JanesFirstBPMN</div> </div> <div> <div>Roles</div> <div>(0)</div> </div> </div> </div>	<p>The attributes of the BPMN model itself are shown if you click on the empty diagram pane.</p>
<div> <div> Attributes </div> <div> <div>Properties</div> <div> <div>Name</div> <div>Approve order</div> </div> <div> <div>Description</div> <div>Enter text</div> </div> <div> <div>+ Add Stereotype</div> </div> <div> <div>Symbol Type</div> <div>Receive Task</div> </div> </div> </div>	<p>The standard attributes for BPMN elements are:</p> <ul style="list-style-type: none"> • Name • Description • Symbol Type <p>Some elements contain additional attributes:</p> <ul style="list-style-type: none"> • Form (User Task) • Image (Image (BPMN)) • Roles (Lane) • Sequence Flow Type (Relation) • Timeout (Timer Event) • Timer (Timer Start Event) • Trigger Events (User Task, Plain Event, Message Event)

Creating an Attribute on the Diagram Pane

It is possible to display the attributes of a BPMN element on the diagram pane.


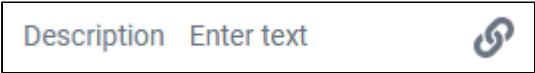
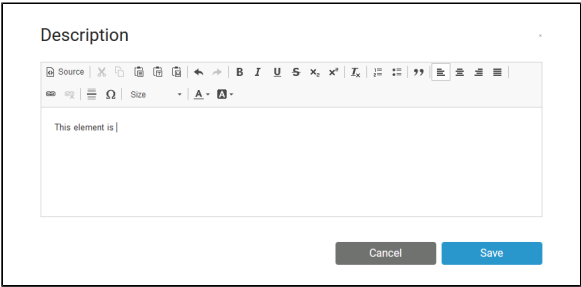
	<p>Click on the name of the desired attribute and move it to the diagram pane using drag & drop.</p>
	<p>The attribute is displayed on the pane.</p> <p>You can change the formatting of the display in the Styling panel.</p> <div data-bbox="974 787 1088 1971"><div></div><div>G o t o p a g e S t y l i n g B P M N E l e m e n t s f o r d e t a i l e d i n f o r m a t i o n s a b o u t h e</div></div>



Managing the Attributes' Content






In the attributes panel, all attributes of an element are displayed. Some standard attributes are used for all elements, while other attributes are only available for specific elements. Find below a list of all attributes.


Standard Attributes

Attribute Name	Attribute View in Panel	Description
Name		Click here to insert or change the Name of the related element. Generated elements (like e.g. message) cannot be renamed.
Description		If you want to insert a description for your element, click here to open a text editor where you can enter and format your text: 

Symbol Type	<div> <div>Symbol Type</div> <div>Service Task</div> <div>▼</div> </div>	<p>The attribute Symbol Type displays the type of the current element.</p> <p>Open the drop-down menu to change the symbol type. Possible options are the BPMN element types of the same element category.</p> <div> <p>i When you change the symbol type of a BPMN element that already has an execution diagram associated with it, the following happens:</p> <ul style="list-style-type: none"> • If the execution models of both elements are of the same name Event/On Exit/Get Data/Decision) and same type (basic/message/return), the execution diagram is kept. • If this is not the case, the execution model is deleted. </div>
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Additional Attributes

Attribute Name	Attribute View in Panel	Description	Av
Form	<div> <div>Form</div> <div>Select option</div> </div>	<p>Attribute Form is only available for the element User Task. Use the selection list to assign a form to the user task. All forms you have created within the same service are displayed in the list:</p> <div> <div>Form</div> <div>None</div> <div>Link</div> <div>AddressForm</div> <div>Form Type</div> <div>JanesFirstForm</div> <div>OrderForm</div> </div> <p>Once you have selected a form, an icon appears. It allows you to open the selected form directly:</p> <div> <div>Form</div> <div>JanesFirstForm</div> <div>▼</div> <div></div> </div> <div> <p> Go to chapter Modeling Forms for further information about the creation of forms.</p> </div>	<ul style="list-style-type: none"> •
Image	<div> <div>Image</div> <div></div> </div>	<p>It is possible to create images on the diagram pane using the corresponding icon in the elements toolbar. Use the attribute Image to upload a picture into the empty frame or insert a link to an existing picture.</p>	<ul style="list-style-type: none"> •
Roles	<div> <div>Roles</div> <div>(0)</div> <div></div> </div>	<p>Attribute Roles is only available for the element Lane. Use this attribute to assign different roles to the lane. To do this, click the icon  and the role editor will open. The number of roles assigned to a lane is displayed in the attributes panel.</p>	<ul style="list-style-type: none"> • •

Sequence Flow Type	<div>Sequence Flow Type Regular ▼</div>	<p>Attribute Sequence Flow Type is only available for the element Relation. Most relations can only be of regular type. In these cases the sequence flow type Regular is displayed in read-only mode.</p> <p>There is one exception for outgoing flows of exclusive gateways. On these flows, the attribute Sequence Flow Type shows you a selection list with two options to define the type of the sequence flow in the attributes panel:</p> <div> <div>Sequence Flow Type</div> <div>Regular</div> <div>Symbol Type</div> <div>Default sequence flow</div> </div> <ul style="list-style-type: none"> • Regular: Normal process flow. If you are using an Exclusive Gateway, you have to define the condition on the regular outgoing sequence flow(s). • Default sequence flow: If the conditions of all other flows are not fulfilled, the flow marked as default is used. The default sequence flow is unconditional (without execution).
Timeout	<div>Timeout Select option ▼</div>	<p>Attribute Timeout is only available for the Timer Event.</p> <p>To set the duration of the timer, the event should be triggered by a persisted property of type integer or datetime. You have two options to set the timeout in the attributes panel:</p> <ul style="list-style-type: none"> • Integer: Define the number of seconds the event has to wait. • Datetime: Define the absolute datetime when the event should fire.
Timer	<div>Timer 00***** ⌚</div>	<p>Attribute Timer is only available for the Timer Start Event.</p> <p>Hover over the timer settings to display a detailed settings view:</p> <div> <div>Timer 00***** ⌚</div> <div> <div>Allow Parallel Executions:</div> <div>true</div> <div>Year(s):</div> <div>*</div> <div>Month(s):</div> <div>*</div> <div>Weekday(s):</div> <div>*</div> <div>Day(s):</div> <div>*</div> <div>Hour(s):</div> <div>*</div> <div>Minute(s):</div> <div>0</div> <div>Seconds:</div> <div>0</div> </div> </div> <p>To define the timer settings, click  to open the timer editor. For detailed explanations see How to Use the Scheduler/Timer.</p>
Trigger Events	<div>Trigger Events ▼</div>	<p>Attribute Trigger Events is only available for the elements Message Event and Plain Event (as a boundary event) and for the element User Task. Use the selection list to assign which event triggers the default process flow of a BPMN process. The pop-up also contains a filter that you can use to search for a specific event:</p> <div> <div>Form</div> <div> <div>Q Search Criteria</div> <div>JanesFirstForm</div> <div> <input type="checkbox"/> button_cancel.click <input type="checkbox"/> button_send.click <input type="checkbox"/> DataTable_94766.rowClick </div> </div> <div>Trigger Events</div> <div>Symbol Type</div> </div>

How to Use the Scheduler/Timer

Timer Start Event

☒ Scheduler ☐ Timer

Scheduler

☒ Allow Parallel Executions

Year(s)

*

Month(s)

*

Weekday(s)

*

Day(s)

*

Hour(s)

*

Minute(s)

0

Seconds

0

[Time Patterns](#)

Save

Cancel

If you click option  in the attribute panel, a separate editor will open where you can define the settings of your **Timer Start Event**.

You have two options with different settings:

- **Scheduler** (see below)
- **Timer** (see below)

Scheduler



Use the scheduler if you want to define a pattern for your **Timer Start Event**, for example to start the model every monday, every hour etc.

Setting	Description	Default
Allow Parallel Executions	If checked, each time a scheduler pattern matches, the scheduler activity diagram is executed - even if another execution is already running. If not checked, the next execution cycle is suppressed if an execution diagram is already being run.	Checked
Year(s)	Insert a positive integer or a pattern.	*
Month(s)	Use numbers 1 to 12 or a pattern.	*
Weekdays (s)	Valid input: <ul style="list-style-type: none">• Mon or Monday• Tue or Tuesday• Wed or Wednesday• Thur or Thursday• Fri or Friday• Sat or Saturday• Sun or Sunday• a pattern	*
Day(s)	Depending on the month, valid input are numbers from 1 to 31 or a pattern.	*
Hours(s)	Use 0 to 23 or a pattern.	*
Minute(s)	Use 0 to 59 or a pattern.	0
Seconds	Use 0 to 59 or a pattern.	0


Timer Start Event

☐ Scheduler ☒ Timer

Timer

Repeat Interval  

Occurrences ☒ Always 

First Occurrence  

[Time Durations](#)

Save

Cancel

Timer

Select the timer if you want to define a cycle for example to start the model after one week, after two hours etc.

Setting	Description	Default
Repeat Interval	Enter a valid time duration expression (see below). Refer to Time Durations in the Bridge documentation for detailed information. This setting defines the time interval between two calls of the timer action.	-
Occurrences	Insert a positive integer to define the count of repetitions. If you want the timer to be endless, check Always (default).	Always
First Occurrence	Enter a valid time duration expression (see below). Refer to Time Durations in the Bridge documentation for detailed information. This setting defines the wait interval after service start before the timer is executed for the first time.	0 seconds

Insert duration expression

Year(s) Y

Month(s) M

Day(s) D

Hour(s) H

Minute(s) M


Seconds S

Result:

Save

Cancel

Duration Expression Wizard

The settings **Repeat Interval** and **First Occurrence** contain the option .

Click this option to open a wizard that supports you to define the necessary duration expression.

Insert duration expression

Year(s)	<input type="text"/>	Y
Month(s)	<input type="text"/>	M
Day(s)	<input type="text" value="2"/>	D
Hour(s)	<input type="text" value="3"/>	H
Minute(s)	<input type="text" value="10"/>	M
Seconds	<input type="text"/>	S

Result: P2DT3H10M

Save

Cancel

Insert positive integers in the desired fields.

The result is shown below.


Click **Save** to close the wizard.

Timer Start Event

☐ Scheduler ☒ Timer

Timer

Repeat Interval  

Occurrences ☒ Always 

The duration expression is displayed in the corresponding field.



Once you are familiar with the notation of the duration expression, you can also insert it directly in the field.