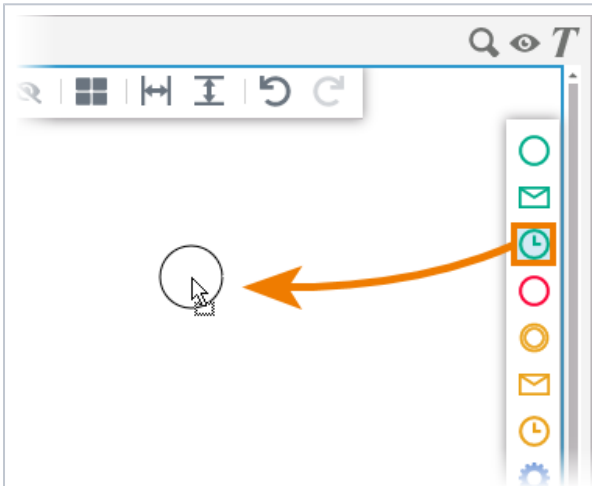


# Adding BPMN Elements

## Adding Elements to the Diagram Pane

You have two options to add an element to the diagram pane:

- Using the elements toolbar.
- Using the context menu.



Drag the element you want to create from the toolbar and drop it on the diagram pane.

Another way to create a bpmn element is to click on the element in the toolbar, switch to the editor and click again.

To cancel the operation, press the **Esc** key.

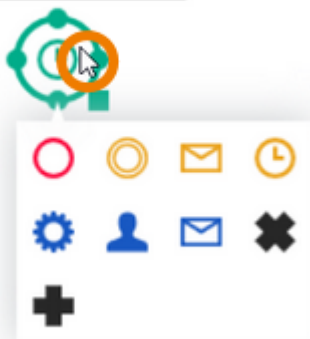
### On this Page:

- [Adding Elements to the Diagram Pane](#)
- [Creating Relations on the Diagram Pane](#)
- [Deleting Elements from the Diagram Pane](#)

### Related Pages:

- [Working with the BPMN Editor](#)
- [Implementing Your Process](#)
- [PAS Designer Developer Guide](#)
  - [Supported BPMN Elements](#)

### Timer Start Event



As soon as you have created a first element, you can also use the element context menu to create further elements.







Click on an element or hover over the active element to open the context menu.

**i** Start events can only be created via the elements toolbar.

### Timer Start Event



If you mark an element on the diagram pane before you create a new element, a relation is automatically created between both elements.



<div data-bbox="162 136 600 220">Web Shop Order En</div> <div data-bbox="267 231 389 346"></div>	<p>Double click the name of the element to enable edit mode and change the content.</p>
<div data-bbox="154 399 673 535"><div data-bbox="332 399 673 535"><div data-bbox="446 441 641 493">Create ORDER</div></div></div> <div data-bbox="154 598 690 756"><div data-bbox="332 598 690 756"><div data-bbox="414 630 682 703">create order</div></div></div>	<p>When creating new elements, respect the restrictions for element names.</p> <p>Your input is validated, but the validation is case insensitive.</p> <div data-bbox="982 651 1128 1963"><div data-bbox="990 661 1031 714"></div><div data-bbox="1039 661 1120 819"><b>Restrictions on Element Names</b></div><div data-bbox="1039 829 1120 1627"><p><b>BPMN element names must be unique within one BPMN model.</b> During name validation spaces and underscores are treated the same, e.g. Step 1 and Step_1 are duplicate names.</p></div><div data-bbox="1039 1638 1120 1858"><p>In addition, the following name restrictions apply:</p></div></div>

Element  
names  
...

- ..  
  . must  
  not be  
  empty.
- ..  
  . must  
  not start  
  with  
  numbers.
- ..  
  . must  
  not end  
  with  
  a  
  period  
  (.).





- . must not contain one of the following characters : < , > , : , = , / , \ , | , ? , \* .
- Furthermore , the following strings must not be

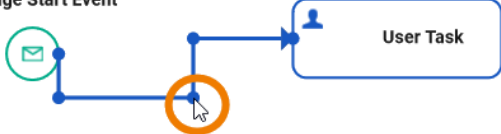
s	e	d	a	s	e	l	e	m	e	n	t	n	a	m	e	s:	C	O	N	,	P	R	N	,	A	U	X	,	N	U	L	,	C	O	M	1	,	C	O	M	2	,	C	O	M	3	,	C	O	M	4	,	C	O	M	5	,	C	O	M	6	,	C	O	M	7	,	C	O	M	8	,	C	O	M	9	,	L	P
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

	T 1 ; L P T 2 ; L P T 3 ; L P T 4 ; L P T 5 ; L P T 6 ; L P T 7 ; L P T 8 ; L P T 9.
 <pre> graph LR     Start(( )) --&gt; UserTask[User Task]     UserTask --&gt; Event(( )) </pre>	<div>  Open the <b>Styling</b> panel to change the formatting of an element. Go to page <a href="#">Styling BPMN Elements</a> for detailed information. </div>


## Creating Relations on the Diagram Pane

You need to draw relations from one element to another to create an executable process.




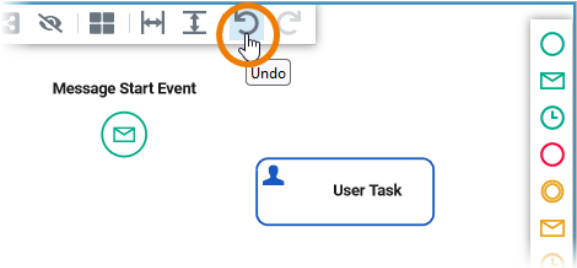

<p>Message Start Event</p> 	<p>If you activate an element on the canvas before you create a new element, a relation is automatically created.</p>
<p>Message Start Event</p> 	<p>Pressing the <b>Esc</b> key cancels the drawing of a relation.</p>
<p>Message Start Event</p> 	<p>If you press <b>Del</b> directly after the creation process, the relation and the active element are deleted.</p>
<p>Message Start Event</p> 	<p>Click on a relation to select it.</p> <p>A selected relation is thicker and shows junctions.</p>

<p>Message Start Event</p> 	<p>When creating a relation, the easiest path will be chosen by default.</p> <p>This may not always be desired. That's why the route of the relation can be altered by the modeler.</p> <p>Use the junctions to adjust the selected relation.</p>
--	---

## Deleting Elements from the Diagram Pane

<p>Message Start Event</p> 	<p>To delete an element from the diagram pane, right click on the element to open the context menu and use the  icon.</p> <p>You can also select the element and use the <b>Del</b> key on your keyboard.</p>
--	--



<p><b>Message Start Event</b></p> 	<p>If you want to delete a relation, open the context menu and use the  icon.</p> <p>You can also select the relation and use the <b>Del</b> key on your keyboard.</p>
<p><b>Message Start Event</b></p> 	<p>This also applies if you select several elements at once.</p>
	<p>Deleting elements is an action that can be undone using the <b>Undo</b> option  in the model toolbar.</p>