




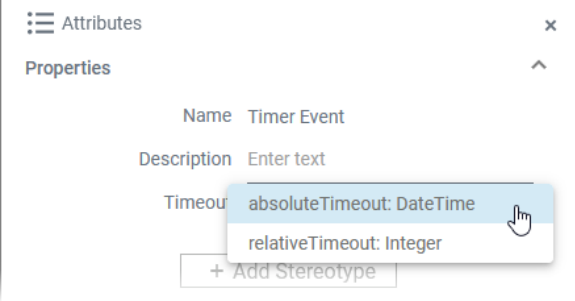

# Timer Event

Element	<div>Timer Event</div> <div></div>
Description	<p><b>Timer Events</b> are triggered by a defined timer. You can use the timer event in the Designer as an intermediate event or as a boundary event:</p> <ul style="list-style-type: none"><li>• <b>Intermediate:</b> You can use the object as an intermediate catching event. In this case, the event is a separate process step. When the execution arrives at the event, a timer is started. When the timer fires, the sequence flow exiting the timer is followed.</li><li>• <b>Boundary:</b> The timer is attached to an activity and works as a stopwatch and an alarm clock. When the execution reaches the activity, the timer is started. When the timer fires, for example after a defined interval, the activity is interrupted and the sequence flow exiting the timer is followed.</li></ul> <div><div></div><div>Plain Event, Message Event and Timer Event can be used as <b>boundary</b> events along with User Task and Receive Task. When using the events as boundary events, attach the element directly to the border of the corresponding task:</div></div> <div></div> <p>To set the duration of the timer, the event should be triggered by a persisted property of type <b>integer</b> or <b>datetime</b>. You have two options to set the timeout in the attributes panel:</p> <ul style="list-style-type: none"><li>• <b>Integer:</b> Define the number of seconds the event has to wait.</li><li>• <b>Datetime:</b> Define the absolute datetime when the event should fire.</li></ul>
Attributes	<ul style="list-style-type: none"><li>• Name</li><li>• Description</li><li>• Timeout (see <a href="#">Particularity</a>)</li><li>• Symbol Type</li></ul>

MultiExcerpt named BPMN\_Timer\_Intermediate\_Event\_Example was not found -- Please check the page name and MultiExcerpt name used in the MultiExcerpt-Include macro

Related Pages:

- [Modeling BPMN](#)
  - [Adding BPMN Elements](#)
- [Supported BPMN Elements](#)
  - [Plain Event](#)
  - [Message Event](#)
- [Testing and Integration](#)
  - [BPMN Process API Reference](#)

<b>Particularity</b>	<p>To set the duration of the timer, the event should be triggered by a persisted property of type <b>Integer</b> or <b>DateTime</b>.</p>  <p>In the <b>Attributes Panel</b>, select the persisted property you want to use. If the drop-down list of attribute <b>Timeout</b> is empty, you need to create a new persisted property of type <b>Integer</b> or <b>DateTime</b> first. Depending on the type of the property, you have different options to set the timeout:</p> <ul style="list-style-type: none"> <li>• <b>Integer</b>: Specify the number of seconds the event has to wait.</li> <li>• <b>DateTime</b>: Specify an absolute timestamp when the event should fire.</li> </ul> <div data-bbox="315 724 1065 814"> <p> The value of the timeout can be specified at development time (default) or at runtime.</p> </div>
<b>Execution</b>	<p><b>On Event:</b> Without input or output parameters.</p>
<b>Editing and Styling</b>	<ul style="list-style-type: none"> <li>• Refer to <a href="#">Working with the BPMN Editor</a> for further information regarding editing of BPMN elements using the different context menus on the diagram pane.</li> <li>• Refer to <a href="#">Styling BPMN Elements</a> for further information regarding styling possibilities for BPMN elements, for example how to change the background color, the font style and size etc.</li> </ul>