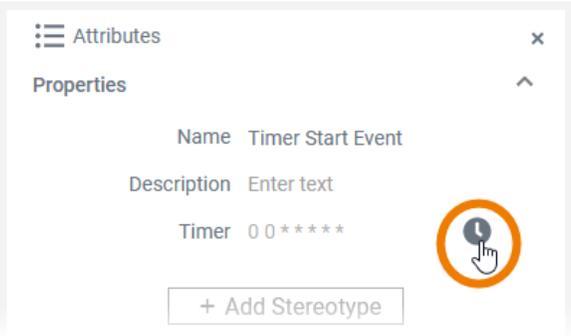


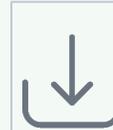
# Timer Start Event

|                            |  |
|----------------------------|--|
| <b>Element</b>             | <b>Timer Start Event</b><br>  |
| <b>Description</b>         | A <b>Timer Start Event</b> allows you to start a BPMN model after a defined cycle or at a defined time. Every time the timer is triggered, the model will be started.  |
| <b>Attributes</b>          | <ul style="list-style-type: none"> <li>• <b>Name</b></li> <li>• <b>Description</b></li> <li>• <b>Timer</b> (see <a href="#">Particularity</a> )</li> <li>• <b>Symbol Type</b></li> </ul>   |
| <b>Particularity</b>       | <div data-bbox="334 646 902 688" style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;">  A start event can only be created via the elements toolbar. </div> <p>Another particularity of the Timer Start Event is the attribute <b>Timer</b> which is available in the <b>Attributes Panel</b>:</p> <div data-bbox="315 806 886 1142" style="border: 1px solid #ccc; padding: 10px; margin-bottom: 10px;">  </div> <p>To define the timer settings, click  to open the timer editor. For detailed explanations see <a href="#">How to Use the Scheduler/Timer</a>.</p> |
| <b>Execution</b>           | <b>On Event:</b> Without input or output parameters.   |
| <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>  |

## On this Page:

- [How to Use the Scheduler/Timer](#)

## BPMN\_Start\_Event\_Example



Click the icon to download a simple example model that shows what you can do with **Start Events** in **Scheer PAS Designer**.

## Related Pages:

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

## How to Use the Scheduler/Timer

Timer Start Event

Scheduler    Timer

Scheduler

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)

## Timer Start Event

Scheduler  Timer

### Scheduler

Allow Parallel Executions 

Year(s)  

Month(s)  

Weekday(s)  

Day(s)  

Hour(s)  

Minute(s)  

Seconds  

[Time Patterns](#)

Save

Cancel

### 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 |
|----------------------------------|---|---------|
| <b>Allow Parallel Executions</b> | 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 |
| <b>Year(s)</b>                   | Insert a positive integer or a pattern.   | *       |
| <b>Month(s)</b>                  | Use numbers 1 to 12 or a pattern.   | *       |
| <b>Weekdays (s)</b>              | Valid input: <ul style="list-style-type: none"><li>• Mon or Monday</li><li>• Tue or Tuesday</li><li>• Wed or Wednesday</li><li>• Thur or Thursday</li><li>• Fri or Friday</li><li>• Sat or Saturday</li><li>• Sun or Sunday</li><li>• a pattern</li></ul> | *       |
| <b>Day(s)</b>                    | Depending on the month, valid input are numbers from 1 to 31 or a pattern.  | *       |
| <b>Hours(s)</b>                  | Use 0 to 23 or a pattern.   | *       |
| <b>Minute(s)</b>                 | Use 0 to 59 or a pattern.   | 0       |
| <b>Seconds</b>                   | 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   |
|-------------------------|---|-----------|
| <b>Repeat Interval</b>  | Enter a valid time duration expression (see below). Refer to <a href="#">Time Durations</a> in the Bridge documentation for detailed information. This setting defines the time interval between two calls of the timer action.                               | -         |
| <b>Occurrences</b>      | Insert a positive integer to define the count of repetitions. If you want the timer to be endless, check <b>Always</b> (default).   | Always    |
| <b>First Occurrence</b> | Enter a valid time duration expression (see below). Refer to <a href="#">Time Durations</a> 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.