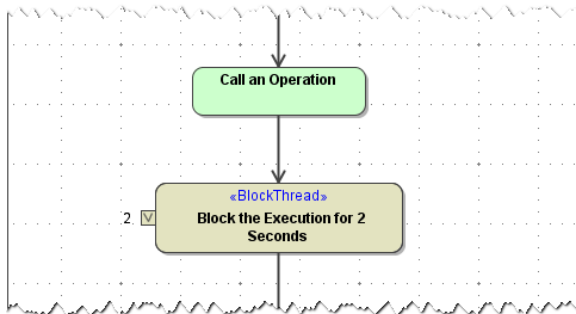


Block a Thread

Sometimes it may be necessary to delay the execution of an xUML service. To block the current activity for a given period of time, you can use the **Block Thread Adapter**.

Figure: Block Thread Action



Each blocked thread consumes a Bridge license slot. Each blocked thread that contains persistent states also blocks a persistent state worker. For more information on E2E Bridge licensing, refer to [License for Running xUML Services](#) and [Performance Considerations of Persistent State](#).

You can use the Action Wizard to add a `<<BlockThread>>` action. Add an empty action node and select **E2E Action Wizard** from the context menu.

Enter General Data
Specify general data of the new action.

Name
Block the Execution for 2 Seconds

Stereotype
BlockThread

Description

Help Next Finish Cancel

Specify the name of the action and select stereotype **BlockThread** from the list of stereotypes.

Select Parameters
Select the parameters of the new action.

Parameter Definitions
highResolutionTime: Integer
time: Integer

Parameters

Add
Remove
New



Help Next Finish Cancel

Add the necessary parameter to specify the period of time to wait:

- Select **time** to specify a period of time in **seconds**.
- Select **highResolutionTime** to specify a period of time in **milliseconds**.

| | |
|---|-----------------------|
| <div><div>Action Wizard</div><div><div>Action Summary</div><div>Click 'Finish' to create the new action.</div><div>The name of the new action will be 'Block the Execution for 2 Seconds'.</div><div><div>Help</div><div>Next</div><div>Finish</div><div>Cancel</div></div></div></div> | Click Finish . |
|---|-----------------------|

Parameters

| Name | Type | Direction | Mandatory | Description | Allowed Values |
|--------------------|---------|-----------|---|--|----------------|
| time | Integer | in |  | Specify a period of time in seconds defining the sleep time. | any integer |
| highResolutionTime | Integer | in |  | Specify a period of time in milliseconds defining the sleep time. | any integer |

Specify either **time** or **highResolutionTime** or both. If you do not specify any of the two, an exception "Sleep time is missing" will be thrown during execution of the service.