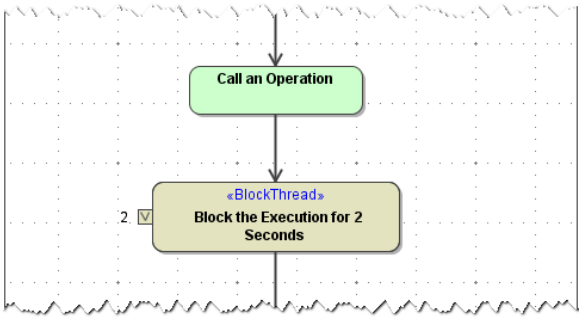
Block a Thread

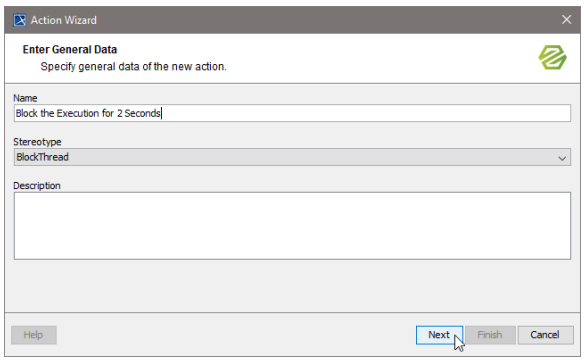
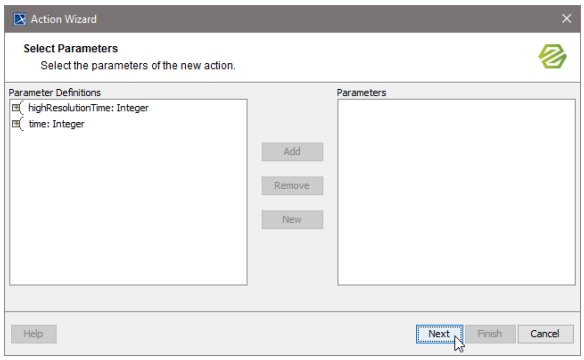
Sometimes it may be necessary to delay the execution of an xUML service. To block the current activity for a given period of time, you can use the **Block Thread Adapter**.

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.

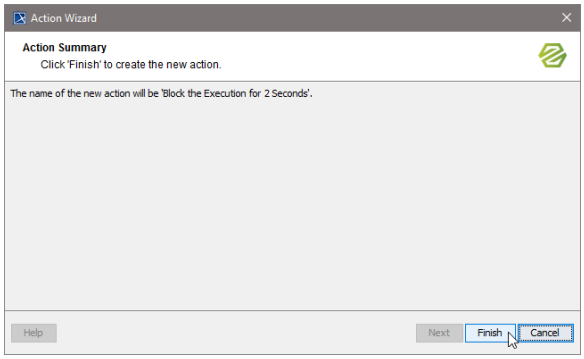
	Specify the name of the action and select stereotype **BlockThread** from the list of stereotypes.
	Add the necessary parameter to specify the period of time to wait: • Select **time** to specify a period of time in **seconds**. • Select **highResolutionTime** to specify a period of time in **milliseconds**.

On this Page:

- Parameters

Related Pages:

- Create a Thread (deprecated)
- Wait for a Thread (deprecated)
- Thread Adapter Reference

	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.