

# State Transitions of the Root State Machine

In the root state machine of a generated process, transitions between states can be automatically, time triggered, or signal triggered. Time triggered and signal triggered transitions can be controlled via the [PAS Administration](#).

## Time Triggered Transitions and Settings

The xUML service implementing the process features settings to control time triggered transitions.

Setting	Description	Allowed Values
<b>holdTime</b>	Specify a period of time the process will reside in state <b>Done</b> after the process has been finished.	A valid time duration as specified on <a href="#">Time Durations</a> .
<b>autoRetry</b>	Specify whether the root state machine should trigger a retry of the erroneous process step after the period of time defined in <b>autoRetryTime</b> .	<b>true</b> Retry process step where the error occurred.
		<b>false</b> No auto-retry (default).
<b>autoRetryTime</b>	Specify a period of time to wait before triggering an auto-retry of a process in state <b>Error</b> .	A valid time duration as specified on <a href="#">Time Durations</a> .

You can change these settings:

<b>Container Deployment</b>	In the PAS Administration in the <b>Configuration</b> tab of the corresponding service. This is described in more detail on <a href="#">Adapting the Configuration of Containerized xUML Services</a> .
<b>Integration Deployment</b>	On the Bridge as described on <a href="#">xUML Service Settings</a> . Alternatively, you can use the Bridge API to do this. This is described in more detail on <a href="#">xUML Service Interface</a> . In short, send a GET to <code>/services/xuml/{name}/settings</code> to read all available settings, make your changes, and perform a PUT to write them.

### On this Page:

- [Time Triggered Transitions and Settings](#)
- [Signal Triggered Transitions](#)

### Related Pages:

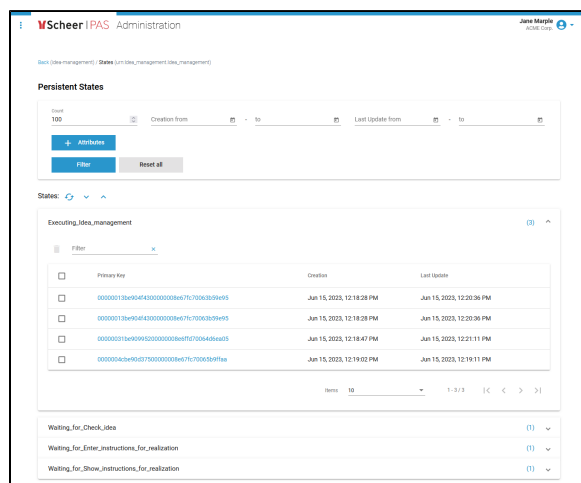
- [xUML Service Interface](#)

### Related Documentation:


- [Administration Guide](#)
  - [Persistent States of Containerized xUML Services](#)
- [Bridge Integration Platform](#)
  - [xUML Service Settings](#)
  - [Time Durations](#)

## Signal Triggered Transitions

The **Persistent State** section (PAS Administration > service details) lists all processes and their corresponding states:



In the details view of a persistent state object, you can inspect the process and state details, trigger available signals or a retry via the corresponding icons:



Jane Schear

ADMIN

[Back \(ides management\)](#) / [States \(jms.ides.management.ides\\_management\)](#) / [Object \(000100005fe2a419e429a00000030\)](#)



**Details of object 000100005fe2a419e429a00000030**

**Primary Key:** 0000002c8fbaa77d00000000adff0270a19e422c

**Creation:** Jun 15, 2023, 2:32:06 PM

**Last Update:** Jun 15, 2023, 2:32:12 PM

**States**

Name	Creation	Status	Retry Transitions	Send Signals
Jun 15, 2023, 2:32:12 PM	ok			

**Events**

Name	Type	Creation	Delivery
Leave_Error_at_0	TIMEOUT	Jun 15, 2023, 2:32:12 PM	Jun 11, 1999, 1:00:00 AM

**xUML Data**

```

1  <?xml version="1.0" encoding="utf-8"?>
2  <data xmlns="http://x2m.ch/0r5dgv/advancedBehavior/persistentState" stateId="1" employeeName="asdasd"
3  personName="56" id="0000002c8fbaa77d00000000adff0270a19e422c" retryId="9999-01-01100-00-00-00" autoRetryTime="PT10M5" autoRetryDelay="false" idName="PT10M5">currentTask.name="Check_Idea" stateName="Waiting for Check_Idea" begin
4  =2023-06-15T12:32:12.875365Z"></currentTask><executedTasks name="Report_your_Idea" stateName="Waiting for
5  Report_your_Idea" begin=2023-06-15T12:32:12.875365Z"></executedTasks></data>

```

Alternatively, you can use the xUML Runtime API to send those signals. This is described in more detail on [xUML Service Interface](#).