

Persisting Data

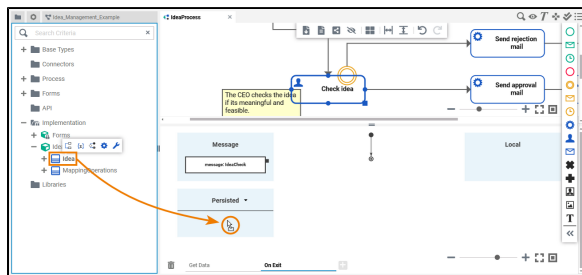
In **Scheer PAS Designer** you have two options to store incoming data in your execution diagram:

- Store data to a **Local** variable.
Contents of local variables are only available within the current execution.
- Store data to a **Persisted** variable.
Contents of persisted variables are available in all executions of the current BPMN model.

This page explains how to persist data in the Designer, and how to use the persisted data in an execution model.

How to Persist Data

If you want to persist the contents of a variable, you need to create a persisted variable, first.



Drag a type from your data model (stored in folder **Implementation**), and drop it to section **Persisted** on the execution pane.

On this Page:

- [How to Persist Data](#)
 - [Persisted Variable with Default Value](#)
- [Using Persisted Data](#)

Related Pages:

- [Modeling Execution](#)
 - [Adding Variables](#)
 - [Adding Operation Calls](#)

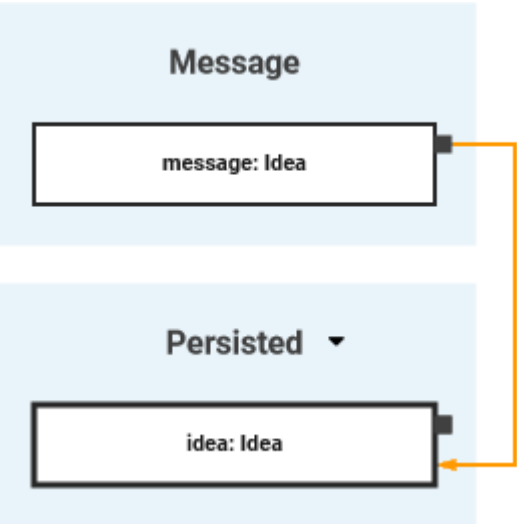
Related Documentation:

- [BRIDGE](#)
 - [xUML Service Settings](#)



For further information about various business execution plans see page [Adding Variables](#).

<div data-bbox="162 142 644 384"><div>Persisted ▾</div><div>idea: Idea</div></div>	<p>By default, the name of a persisted variable is derived from its type.</p>
<div data-bbox="162 413 633 665"><div>Persisted ▾</div><div>Enter text</div><div>id: String</div></div>	<div data-bbox="979 413 1089 1971"><div>✔ You can change the name of persisted variables to one of your own choice by double-clicking</div></div>

	<p>get then name . A list shows the names of the attributes that are ready in use.</p>
 <p>The diagram illustrates an object flow from a Message object to a Persisted variable. The Message object is labeled 'message: Idea' and the Persisted variable is labeled 'idea: Idea'. An orange arrow points from the Message object to the Persisted variable.</p>	<p>Draw an object flow to store something to the persisted variable. The types of the related objects must match, otherwise the Designer will show a validation error.</p>

Persisted Variable with Default Value

A default value can be changed for every deployed service. Depending on your deployment target, you can change the value in the PAS Administration or in the integration component (Bridge).

	<p>Container Deployment</p>
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Configuration

Filter: ☐ Expert Mode Edited: 0 / 85

Category	Section	Key	Current Value	Default Value
Global Settings	Settings / Deployment Macros	Tutorial1::timeout:	<input type="text" value="180"/>	180

Save

Items: 5 1 - 1 / 1 |< < > >|

When the service has been deployed successfully, use icon **Open Administration**



in the deployment controls to open the service details in the PAS Administration.

Go to section **Configuration** and use the filter to search for the value you want to change.



Please note:

- **Save** is only enabled when changes have been made.

- Clicking **Save** triggers a restart, changes in the **Configuration** section are directly applied to the service.



See
page
[Adapting
the
Configuration
of
Containerized
xUML
Services](#) in
the
Administration
Guide
to
know
more.

Tutorial_1

xUML Service Documentation History Logging Dump **Settings** Version Persistent State Status

xUML Service Settings

Settings / Deployment Macros View Export as CSV (charset=UTF-8)

Show 10 entries Filter:

Key	Current Value	Original Value in Model
ERPOrderInterface (Lib): DebugSettings:Enable Library Logs:	false	false
ERPOrderInterface (Lib): ERPOrder:Order Limit:	1000	1000
getCompositeName:	Tutorial_1	Tutorial_1
Tutorial1::autoRetry:	false	false
Tutorial1::autoRetryTime:	PT60S	PT60S
Tutorial1::holdTime:	PT0S	PT0S
Tutorial1::timeout:	180	180

Showing 1 to 7 of 7 entries Previous 1 Next Apply

Integration (Bridge) Deployment

When the service has been deployed successfully, use icon **Open Administration**



in the deployment controls to open the service in the integration component.

You can change the default values in the **Settings** tab.



See page [xUML Service Settings](#) in the Bridge User Guide to know more about xUML service settings in general and how you can change them.

Using Persisted Data

Persisted

Enter text

employeeName: String

id: String

idea: Idea

personnelNumber: String

You can access all available persisted variables via section **Persisted**.

Click on the ▼ icon to display the list of available persisted variables.

Persisted ▾

id|

id: String

idea: Idea

You can use the search to narrow down the content of the list.

Select the variable you need to use.

Persisted ▾

idea: Idea

idea1: Idea



Once a variable is defined as to be persisted, it is available in all executions throughout

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of the first. A consecutive number is appended to the name automatically as a variable name. Names must be unique.

