

Writing into the xUML Service Transaction Log



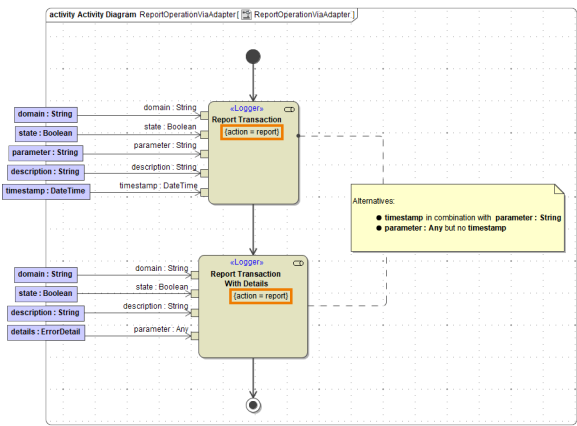
This page explains the **Logger adapter** in Bridge context. If you were looking for the same information regarding the [PAS Designer](#), refer to [Logger Adapter](#) in the Designer guide.

With the `<<Logger>>` adapter you can write transactional logging information into the transaction log file of the xUML service. Use action **report** in this case. The logged information is usable for performance measurements or statistical evaluations (how often has the transaction been called, in which context, etc.). Refer to [Process Mining](#) for more information on how to analyze this data.

For the logger to write logs to the transaction log at all, the transaction log level of the xUML service needs to be set at least to **Custom**.

For more information about the transaction log levels see [Transaction Log Levels of an xUML Service](#).

The following picture shows the usage of the `<<Logger>>` adapter for this case:



Tag **action** of the logger adapter needs to be set to **report**. The following input can be provided:

Object Name	Type	Direction	Description	Field in Transaction Log	Allowed Values / Example	
domain	String	in	Specify a self-defined name of the domain of the logged entry.	Domain	Stock_Synchronization	
state	Boolean	in	Specify how to set the status field in the log entry. This will result in setting the status field in the log entry.	State	true	Set the status field to OK .
					false	Set the status field to ERROR .
parameter	String	in	Specify a self-defined parameter.	Parameter 2	Item: YY-2388	
	Any		Runtime 2020.6 Builder 7.8.0 Specify an object of complex type (class or array) that contains additional details. The contents of this object will be flattened and logged instead of parameter .		e2e: type='ErrorDetail', element='YY-2388', value='Connector'	
description	String	in	Specify a description for the log entry.	Parameter 1	Item ID could not be found.	

On this Page:

- [Example](#)
 - [Custom Error Details](#)
 - [Custom Timestamp](#)

Related Pages:

- [Transaction Log Levels of an xUML Service](#)
- [xUML Service Transaction Log](#)
- [Contents of the Transaction Log](#)
- [report\(\) Function](#)

Related Documentation:

- [Process Mining](#)

timestamp	Date Time	in	<p>Bridge 7.0.0-beta2 Specify a custom timestamp. This parameter is optional. If it is not given, the timestamp in the transaction log will be generated from the current timestamp.</p> <div> <p>timestamp and parameter (Any) are mutual exclusive: You cannot provide a custom timestamp when providing a details object. In this case, the custom timestamp will be overwritten by the actual date and time.</p> </div>	Date, Time	<div> <div>N U LL</div> <div>Generated timestamp in the transaction log.</div> </div> <div> <div>a v a l u e</div> <div>Dedicated timestamp in the transaction log.</div> </div>
-----------	-----------	----	---	------------	--

Example

Custom Error Details

Pin	Value
domain	Stock_Synchronization
state	true
description	Synchronization started.
parameter	<ol style="list-style-type: none"> 1. An error detail object: <pre>{ "element": "YY-2388", "value": "Connector" }</pre> 2. An array of objects: <pre>[{ "element": "YY-2388", "value": "Connector" }, { "element": "YZ-1222", "value": "Adapter" }]</pre>

The output after running the example can be found in the [xUML Service Transaction Log](#) of the xUML service:

```
... OK Stock_Synchronization CUSTOM Synchronization started. e2e:
type='ErrorDetail', element='YY-2388', value='Connector'
```

In case of an array, the output would look something like:

```
... e2e:type='ErrorDetail', [0].element='YY-2388', [0].value='Connector', [1].
element='YZ-1222', [1].value='Adapter'
```

Custom Timestamp

Pin	Value
domain	Stock_Synchronization
state	true
description	Synchronization started.
parameter	Item: YY-2388
timestamp	2020-01-01T00:01:59

The output after running the example can be found in the [xUML Service Transaction Log](#) of the xUML service:

```
2020-01-01 00:01:59 ... OK Stock_Synchronization CUSTOM Synchronization
started. Item: YY-2388'
```