

# Writing into the xUML Service Transaction Log



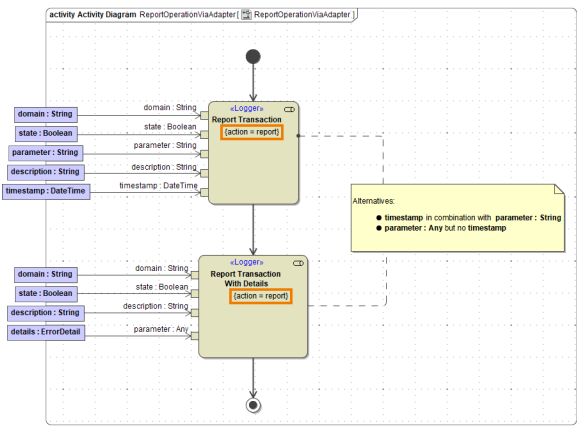
This page explains the **Logger adapter** in Bridge context. If you were looking for the same information regarding the [PAS Designer](#), refer to [Logger Adapter](#) in the Designer guide.

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 <b>OK</b> .    |
|             |         |           |                                                                                                                                                                                                          |                          | false                                                         | Set the status field to <b>ERROR</b> . |
| 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 <b>parameter</b> . |                          | 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.                                   |                                        |

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## 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><b>timestamp</b> and <b>parameter</b> (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<br/>U<br/>LL</div> <div>Generated timestamp in the transaction log.</div> </div> <div> <div>a<br/>v<br/>a<br/>l<br/>u<br/>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"> <li>1. An error detail object:<br/> <pre>{ "element" : "YY-2388", "value" : "Connector" }</pre> </li> <li>2. An array of objects:<br/> <pre>[   { "element": "YY-2388", "value": "Connector" },   { "element": "YZ-1222", "value": "Adapter" } ]</pre> </li> </ol> |

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'
```