
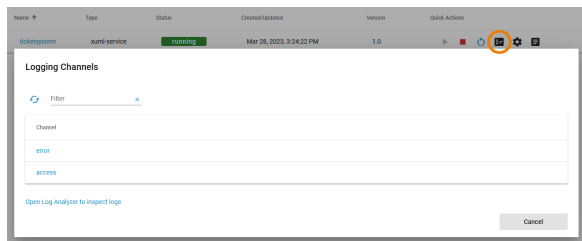



Changing the Log Level of a Containerized xUML Service

 This option is only available for type **xuml-service** (= containerized xUML services).

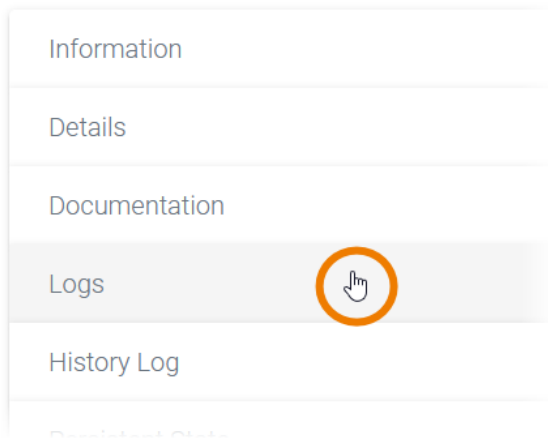
In the administration application you have the possibility to change the log level for a containerized xUML service.



You have two options to open the input form where you can change the log level:

- Click **C** **hange** **log** **level**  in the quick actions bar in the service s' list. This will open a pop-up window.

Details of ticketsystem



- Open the details page of the service and scroll down to section **Logs**.

On this Page:


- [Log Levels of an xUML Service](#)
- [Transaction Log Levels](#)

Related Pages:

- [Working With the Administration](#)
 - [Working With the Deployment Wizard](#)
- [Controlling Containerized xUML Services](#)
 - [Adapting the Configuration of Containerized xUML Services](#)
 - [Persistent States of Containerized xUML Services](#)
 - [Showing Logs of a Containerized xUML Service](#)
- [Platform Concepts](#)
 - [Contents of the Transaction Log](#)
 - [xUML Runtime Logger Configuration](#)

Related Documentation:

- [BRIDGE Integration Platform User's Guide](#)

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Logs



Filter



Channel

error

access

[Open Log Analyzer to inspect logs](#)

concept of the xUML Runtime is build around the concepts of channels and sinks. Refer to [xUML Runtime Logger](#)

In sections **Logs**, you can choose between two channels:

- **error** to write service logging data.
- **access** to write transaction logging data.

The link below gives you direct access to the Log Analyzer, refer to [Showing Logs of a Containerized xUML Service and Analyzing Platform Logs](#) for further information.

[Back \(ticketsystem\)](#) / [Sinks \(error\)](#)

Channel Sinks



Filter



Name

default

fluent

Select a channel to open the related channel sinks. Sinks define the logging output and how it is written. Refer to [xU ML Runtime Logger Configuration](#) for detailed information.

You can choose between two channel sinks:

- **default** for the console of the Docker container (for experienced Docker users only).
- **fluent** for the log information sent to Log Analyzer (Open Search).

[Back \(ticketsystem\)](#) / [Sinks \(error\)](#) / [Filters \(fluent\)](#)

Change or Create Filter +

1/1

Log Level
Info



Transaction Log Level
NONE



Log Domain



New Domain

On the sink level, you can now adapt:

- the **Log Level** (see below)
- the **Transaction Log Level** (see below)
- the **Log Domain**



If
you

have selected the logging level **Debug**

, a lot of information is logged. It can't helpful to exclude certain logged items

rdert on arrow down then number of logs. Refer to [Design Guide > Log Errors](#) for an overview of nonallelic disorders

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Back (ticketsystem) / Sinks (error) / Filters (fluent)

Change or Create Filter

1/2

Log Level

Fatal

Transaction Log Level

SERVICE

Log Domain

✖

✖

IJAVA

✖

New Domain

2/2

Log Level

Warning

Transaction Log Level

IO_EXTERNAL

Log Domain


✖


✖

INTERFACE

✖

New Domain

Click **Add**
 to add
more filters.

Click **Delete**
 to
delete
single filters.



Default Retention Time of Log Files


The following retention times are valid for log files of your PAS installation:

- **Container logs:** Log files inside all containers are deleted after 7 days.
- **Log Analyzer (OpenSearch) logs:**
 - Single cluster: Log files are deleted after 14 days.
 - High Availability cluster: Log files are deleted after 30 days.
- **Integration (Bridge) logs:** The default retention time for Bridge logs is 30 days. This is configurable in the UI, refer to [Integration Platform User's Guide > Node Instance Preferences](#).

Log Levels of an xUML Service

You can set the following log levels for each xUML service. The higher the log level, the more information is written to the log files. The log levels in the table below are cumulative and are ordered from the lowest to the highest log level. For each log level, also the information of the lower levels is logged.

Log Level	Description	
None	No logging at all.	
Fatal	Log fatal errors.	The service cannot continue its normal execution, e.g. due to repository errors, system limitations like no more available threads or memory. These errors need the intervention of an administrator to solve the problem.
Error	In addition to Fatal , non-fatal errors are also logged.	These errors are not written if they are caught in the Designer service model, e.g. connection errors, wrong SQL statements, applying operations to invalid values, and so forth.
Warning	In addition to Error , warnings are also logged.	Warnings indicate unexpected but non-critical situations that do not interrupt normal operation.

Info	In addition to Warning , general information is also logged.	This includes, for instance, which component is being started or stopped, loaded add-ons, licensing information, etc.
Debug	In addition to Info , low-level debug information is also logged.	<p>In addition to log level Info, low-level debug information is written into an error file specified in the error message. Furthermore, the full communication stream when using the URL or SOAP adapter is written to the xUML service standard log. For more details on debugging an xUML service, refer to xUML Service Dump.</p> <div>  Use this log level with care and only when investigating problems. As all tracing information has to be logged, it may result in significant loss of performance with increasing complexity of the deployed xUML service. </div>



If an error occurred, a call stack is written into the error log exposing the path to the action state where the error occurred in the model.

```
[2006-04-20 08:31:13 W. Europe Standard Time][Error] [Internal][FUASM]
[3][Division by zero - Callstack: calculate > Calculation >
call_Division > Division > Divide]
```

Transaction Log Levels

You can set the following transaction log levels for each xUML service. The higher the log level, the more information is written to the log files. The log levels in the table below are cumulative and are ordered from the lowest to the highest log level. For each log level, also the information of the lower levels is logged.

Log Level	Description	
None	No logging executed.	
Custom	Logs everything that is written by the logger adapter.	For more details, refer to Logger Adapter Reference .
Service	In addition to Custom , the start and the end of calls to a service operation (service interface) are also logged.	For example, calls to SOAP, SAPRFC, or HTTP operations.
IOExternal	In addition to Service , calls of adapters that communicate with external systems are also logged.	External systems like SAP, SQL, SOAP, etc. For instance, the SQL queries that are sent to the database will be logged as well. Calls via the file system and system adapter are excluded.
IOInternal	In addition to IOExternal , calls of adapters to internal (local) resources are also logged.	E.g. Filesystem Adapter .

Logging also includes start and end time of service calls and can be used to analyze process performance. Refer to [Contents of the Transaction Log](#) for a reference page with all transaction log details.