

# Controlling Containerized xUML Services Docker

You can run xUML services in a Docker container instead of running it in the integration component (Bridge). The administration offers a deployment wizard for this (refer to [Working With the Deployment Wizard](#) for details) and you can also deploy Designer services directly as container. xUML services that run in a Docker container have extended container details to manage this type of service.



We recommend using container deployment as the default deployment target starting with PAS 23.1. For further information see:

- [Designer Guide > Deployment as Container](#)
- [Administration Guide > Controlling Containerized xUML Services](#)

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## Using the Container Details

Name	Type	Status
ideamanagement	xuml-service	running
ticketsystem	xuml-service	running

**Details of ticketsystem**

**running**

Information

Details

Documentation

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You can open a details page for each container.

To do so, click on the service name in the list.

Click on a name in the service list to open its details page. The details page shows you the title of the service and some quick action icons:

Icon	Description
	Shows the current state of the service.
	Starts the service.
	Stops the service.
	Restarts the service.

It also contains different collapsable sections:

- [Information](#)
- [Details](#)
- [Documentation](#)
- [Logs](#)
- [History Log \( PAS 24.0 \)](#)
- [Persistent State](#)
- [Configuration](#)

**Related Pages:**

To do so, click on the service name in the list.

- [Working With the Administration](#)
  - [Working With the Deployment Wizard](#)
  - [Keeping the Configuration of Containerized xUML Services](#)
  - [Changing the Log Level of a Containerized xUML Service](#)
  - [Persistent States of Containerized xUML Services](#)
  - [Showing Logs of a Containerized xUML Service](#)
  - [Starting the Service](#)
  - [Controlling Docker Container](#)
  - [xUML Runtime](#)
    - [xUML Runtime API](#)
    - [xUML Runtime API Reference](#)

## Information

Information

**Name:** ticketssystem

**Source:** Docker

**Type:** xuml-service

**Created/Updated:** Feb 11, 2022, 2:26:29 PM

**Version:** 1.0

The **Information** section contains the main information about the container:

- **Name**
- **Source** is *Docker* for Docker containers
- **Type**
- **Created/Updated**
- **Version**

## Details

On top of the **Details** section, you can find the option **Delete Service** (refer to **Deleting a Service** below for further information). The boxes **General**, **Build** and **Deployment** contain read-only information.

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General

Timer

Inactive

Scheduler

Inactive

Name

Ticketssystem

Version

0.1.1

The **General** details contain common information about the compiled .rep file:

<b>Timer</b>	Shows whether a timer is enabled or not.
<b>Scheduler</b>	Shows whether a scheduler is enabled or not.
<b>Name</b>	Name of the compiled service.
<b>Version</b>	Version of the compiled service.



## Build

Image Name

scheer-docker-registry:5000/pas-rc/ticketssystem:1

Base Image

gitlab.scheer-group.com:8080/xuml:latest

Build User

jane.marple

Build Date

Feb 11, 2022, 2:26:14 PM

Compiler Version


7.21.0

Compile Date

Feb 11, 2022, 2:03:49 PM


















The **Build** details contain information about the Docker image:




<b>I m a g e N a m e</b>	Name of the image in the local Docker registry.
<b>B a s e I m a g e</b>	Name of the image the xUML container is based on. Default is <b>latest</b> . Can be configured by env, can also be changed during the build process, refer to <a href="#">Working With the Deployment Wizard</a> .
<b>B u i l d U s e r</b>	Username of the user that triggered the build process.
<b>B u i l d D a t e</b>	Build date and time of the service repository.
<b>C o m p i l e r V e r s i o n</b>	Version of the compiler the service has been compiled with.
<b>C o m p i l e D a t e</b>	Timestamp of the compilation of the service.






<div>  <b>Deployment</b> </div> <div> Service Name  <b>ticketsystem</b> </div> <div> Deployment User  <b>jane.marple</b> </div> <div> Deployment Date  <b>Feb 11, 2022, 2:26:29 PM</b> </div> <div> Container Start Date  <b>Mar 17, 2022, 1:39:20 PM</b> </div>	<p>The <b>Deployment</b> details contain information about the deployment:</p> <table border="1"> <tr> <td><b>Service Name</b></td><td>Name of the xUML service.</td></tr> <tr> <td><b>Deployment User</b></td><td>Username of the user that triggered the deployment process.</td></tr> <tr> <td><b>Deployment Date</b></td><td>Creation date and time of the container.</td></tr> <tr> <td><b>Container Start Date</b></td><td>Date and time of the last (re-)start of the container.</td></tr> </table>	<b>Service Name</b>	Name of the xUML service.	<b>Deployment User</b>	Username of the user that triggered the deployment process.	<b>Deployment Date</b>	Creation date and time of the container.	<b>Container Start Date</b>	Date and time of the last (re-)start of the container.
<b>Service Name</b>	Name of the xUML service.								
<b>Deployment User</b>	Username of the user that triggered the deployment process.								
<b>Deployment Date</b>	Creation date and time of the container.								
<b>Container Start Date</b>	Date and time of the last (re-)start of the container.								
<div> Endpoints Libraries </div> <div> Filter </div>	<p>Below the three sections that contain read-only information, you can find the two tabs <b>Endpoints</b> and <b>Libraries</b> (see below for details).</p>								


## Endpoints

In tab **Endpoints** you can find the necessary information regarding the API endpoints of this service:

Endpoints						
Name	Type	URL	Test	Interface / Descriptor	API	
xUML Runtime API	control	https://acme-saas-pas-cloud.com/pas-doc/gateway/xuml-control/ticketsystem/0.1.1				
TicketcreationRest	rest	https://acme-saas-pas-cloud.com/pas-doc/gateway/xuml/ticketsystem-TicketcreationRest-rest/0.1.1				
Rest	rest	https://acme-saas-pas-cloud.com/pas-doc/gateway/xuml/ticketsystem-Rest-rest/0.1.1				
StartupShutdownTicketsystem	shadow	https://acme-saas-pas-cloud.com/pas-doc/gateway/xuml/ticketsystem-StartupShutdownTicketsystem-shadow/0.1.1				
TicketcreationRest	shadow	https://acme-saas-pas-cloud.com/pas-doc/gateway/xuml/ticketsystem-TicketcreationRest-shadow/0.1.1				

Column	Description	Possible Values
<b>Name</b>	Name of the registered endpoint.	Any string.
<b>Type</b>	Type of the registered endpoint.	<ul style="list-style-type: none"> <li>control</li> <li>rest</li> <li>shadow</li> <li>soap</li> <li>ui</li> </ul>
<b>URL</b>	<ul style="list-style-type: none"> <li>Click the URL to copy the secured endpoint  to the clipboard.</li> <li>Click  to display the URL of the internal endpoint . Click the URL to copy it to the clipboard.</li> </ul>	Any URL.

<b>Test</b>	<p>Click <b>Open</b>  to switch to the interface that allows you to test the application/API. The test interface is available on running services only.</p> <div>  The PAS platform features an <a href="#">xUML Runtime API</a> for each service. You can use the interface to obtain information on the states of the service's state machines in general, and to trigger state transitions. Refer to <a href="#">xUML Runtime API Reference</a> for a comprehensive list of all available requests. </div>	-
<b>Interface /Descriptor or</b>	<p>Click <b>Download</b>  to download the description (OpenAPI/WSDL) of the service interface.</p> <p>Click <b>Copy to clipboard</b>  to copy the private descriptor URL.</p>	-
<b>API</b>	<p>Click <b>Import</b>  to import the API to <b>Scheer PAS API Management</b>. A wizard will support you in creating the API in API Management. Refer to <a href="#">Creating an API</a> in the <a href="#">API Management Guide</a> for details.</p>	-




Filter

Name	Type	URL
TicketcreationRest	rest	<a href="https://des/rest/1.0/rest">https://des/rest/1.0/rest</a>
TicketcreationRest	shadow	<a href="https://des/shadow/1.0/shadow">https://des/shadow/1.0/shadow</a>

Use the filter field to search for a specific endpoint.


The content of the filter field is applied to the columns **Name** and **Type**.




Filter

Type (1)  
Reset Filter  
TicketcreationRest

☐ control  
☒ rest  
☐ shadow  
☐ ui  
Reset Selection

Click **Extended filter**  to display the extended filter options:

- **Type**
- **Reset Filter**

If a filter is applied, the extended filter changes to .

In the main filter window, you can reset all selected filters.

Click **Reset Filter**.

In the filter option window, you can also reset the selection.

## Libraries

In tab **Libraries** you can find a list of all libraries that are used in this service:

Libraries			
Name	Version	Compiler Version	Compile Date
Logging_Lib	2.0.0	7.11.2	Jan 12, 2021, 1:47:11 PM
SimpleFileStorageClient	1.0.0	7.13.0-latest-bccfee	Jun 11, 2021, 1:58:59 PM
ERPOrderInterface	1.4.0.4	7.12.0-rc-e476d96	Mar 23, 2021, 5:18:57 PM

Column	Description
<b>Name</b>	Name of the library.
<b>Version</b>	Version of the library.
<b>Compiler Version</b>	Version of the compiler the library has been compiled with.
<b>Compile Date</b>	Timestamp of the compilation of the library.

Use the filter field to search for a specific library.

The content of the filter field is applied to the column **Name** only.

## Deleting a Service



## Delete Service

If you want to delete a containerized xUML service, click **Delete Service** on top of the **Details** section.

### Confirm Deletion

 Please be aware that by deleting this service...

- the service container (deployment) gets removed from the current system
- registered routes are purged
- persisted data that may have been stored in this service will be removed

Please type the following: example-service

Service name \*

Delete

Cancel

Please note, that the deletion of a service has several consequences:

- The service container (deployment) will be removed from the current system.
- The registered routes are purged.
- Persisted data stored in this service will be removed.





## Documentation

Select Document

Ticketssystem\_\_1889809404.txt

Logging\_Lib\_1442153486.html



Polymorphic\_Lib\_\_355219323.html

erpOrderInterface\_557722615.html

Documentation\_Lib\_\_70801303.html

Use the list **Select Document** to choose the documentation you want to see.

The list contains:

- The documentation of the xUML service itself (if it is a service that has been created in the [Designer](#), you will see the content of field **Description** from the [services detail page](#)).

## Documentation

Select Document

Logging\_Lib\_1442153486.html

### Logging Library

Simple library for service logging, implementing a log operations and operations for every log level.

For more information on xUML service logging, refer to our [online documentation](#):

- [IoU Function](#)
- [Logging of xUML Services](#)

### Change Log

Date	Author	Version	Implementation	Note
25.11.2020	David Stringer	1.0.0	Simple bridge log operations	
07.01.2021	Meredith Mitchell	1.0.1	Documentation added	
08.01.2021	Meredith Mitchell	2.0.0	Provided logging operations for different log levels	
			Added operation for logging of error details	

- The documentation of the libraries that are used in the service.

## Logs

Logs

Filter

X

Channel

error

access

Open Log Analyzer to inspect logs

In section **Logs** you can change the log level. Go to page [Changing the Log Level of a Containerized xUML Service](#) for detailed information.

The link in section **Logs** gives you direct access to the Log Analyzer, where you can inspect the logs. Refer to [Showing Logs of a Containerized xUML Service](#) and [Using Kibana](#) for further information.

History Log

History Log

Filter

X

Date	User	Action
28/02/2024 13:42	jane.marple	Restart instance
13:41	jerry.cotton	AO_SRV_BPMN_RETSERVICE_MAXREQUESTHEADERSIZE changed from 8 to 10
13:40	jane.marple	The following settings have been changed: <ul style="list-style-type: none"><li>G_SIMPLE_FORM_EXAMPLE_AUTORETRY changed from false to true</li><li>AO_SETTINGS_DEFAULTCONNECTIONPOOLSIZE changed from 10 to 11</li></ul>
13:39	jerry.cotton	Stop instance
13:33	jane.marple	Start instance
13:33	jane.marple	Service created (1.0)

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In the **History Log ( PAS 24.0 )** section you can inspect the service history. Refer to [Showing Logs of a Containerized xUML Service](#) for detailed information.

Persistent State

Persistent State

Class	States	Stalled	Primary Key Search
<a href="#">urn:Ticketcreation.Ticketcreation</a>	3	0	<div></div>

In section **Persistent State** you can manage persistent state objects. Refer to [Persistent States of Containerized xUML Services](#) for detailed information.

Configuration

Configuration

Filter

Expert Mode

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Category	Section	Key	Current Value	Default Value
Global Settings	Settings / Deployment Macros	Ticketcreation:holdTime:	<div>StringPT60S</div>	PT60S
Global Settings	Settings / Deployment Macros	Ticketcreation:autoRetryTime:	<div>StringPT60S</div>	PT60S
Add-Ons	SAP Global	FieldPadding:	<div>StringNEVER</div>	NEVER
Add-Ons	REST Service Base	xUMLControllerService_JSONComposerO...	<div>Boolean *false</div>	true
Add-Ons	REST Service Base	xUMLControllerService_JSONComposerO...	<div>Boolean *false</div>	true

Save

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In the **Configuration** section you can change the configuration on file of the Docker container. Refer to [Adapting the Configuration of Containerized xUML Services](#) for detailed information.