
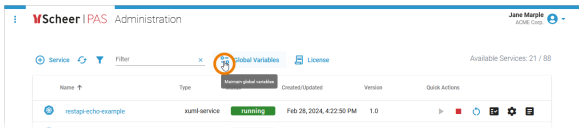


Managing Global Variables for Containerized xUML Services

 This feature is only available in a Kubernetes setup.

Administrators can manage the settings of an xUML service in [section Configuration](#) in the service details view. With **PAS 24.0** it is also possible to define global variables. This allows to use the same setting value in various - or all - xUML services of your PAS installation.

If you want to create or manage global variables, click **Global Variables** in the navigation bar:



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- [Creating a Global Variable](#)
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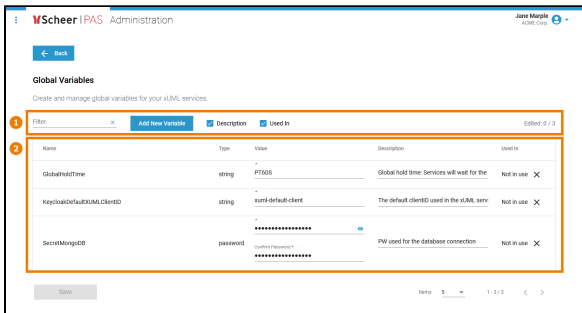
Related Pages:

- [Controlling Containerized xUML Services \(Kubernetes\)](#)
 - [Adapting the Configuration of Containerized xUML Services \(Kubernetes\)](#)

Overview on the Global Variables View

The global variables view consists of two sections:

1. **Navigation Bar:** From the navigation bar you can...
 1. ... filter the list of global variables. Enter your search term in the filter field, it is applied to the whole content of the global variables' list.
 2. ... [add a new global variable](#).
 3. ... change the display of the global variables list. You can hide the columns **Description** and **Used In**. By default, both columns are shown.
 4. ... [see how many entries you have just edited](#).
2. **Global Variables List:** The list shows all available global variables. Use the list to...
 - ... [edit the global variables](#).
 - ... [delete the global variables](#).



Global PAS Variables

Every PAS installation comes with some global standard variables. These variables are ready to use, but they cannot be adapted or deleted. The following standard variables are provided:

Global PAS Variable	Description
PASGlobalKeycloakBasePath	Provides the base path added to the Keycloak host to connect to your realm.
PASGlobalKeycloakDefaultXUMLClientID	Provides the default Keycloak Client-ID used in the xUML services.
PASGlobalKeycloakHost	Provides the hostname of the Identity Management (Keycloak) used in PAS.
PASGlobalKeycloakURL	Provides the URL of the Identity Management (Keycloak) used in PAS.
PASGlobalMongoDBReplicaSet	Provides the name of the replica set used in the MongoDB of PAS.

Global Variables History Log

Below the the global variables view, a history log is displayed showing the date and time when a user has made changes to a global variable:

History Log

Filter

Date	User	Action
10/05/2024 11:06	jane.marple	AcmeHoldTime changed from PT90S to PT60S
11:07	david.stringer	AcmeHoldTime changed from PT80S to PT90S
11:07	david.stringer	AcmeStandard changed from ACME-Standard to ACME-Standard1
11:07	david.stringer	AcmeStandard changed from ACME to ACME-Standard
11:05	jane.marple	AcmeHoldTime changed from PT80S to PT80S

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The global variables history log is a read-only view that supports users to keep track of all changes that have been made to the global variables.

Filter

PT80

Date	User	Action
10/05/2024 11:07	david.stringer	AcmeHoldTime changed from PT80S to PT90S
11:05	jane.marple	AcmeHoldTime changed from PT80S to PT80S

Use the filter field to search for a global variable change.

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

Filter

PT80

Action (Change)

User

Reset Filter

Add

Delete

Change

Reset Selection

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

- **Action**
- **User**
- **Reset Filter**

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

Filter

Action (Change)

User (platform.admin)

Reset Filter

14:24

jane.marple

david.stringer

Reset Selection

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.

Creating a Global Variable

Global Variables

Create and manage global variables for your xUML services.

Filter

Add New Variable

Description

Used in

Name	Type	Value
GlobalHoldTime	string	PT60S

Add New Variable

Name	Type	Value	Description
StandardRESTServicePort	number	12345	Standard port for REST services

Apply Cancel

Click **Add New Variable** to create a new global variable.

In the pop-up, enter the necessary content:

Value

Description

Name

Enter a name for your global variable. Variable names must be unique. If a variable name already exists, you will get a corresponding error message.



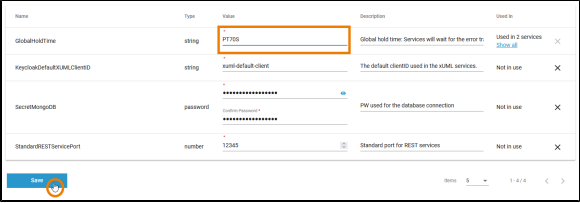
Expert Advice

Define a standard notation before creating your first global variable. As a best practice, we recommend using upper camel case, e.g. **MyGlobalVariable**.

	Type	Select a type for your variable. Available types are: <ul style="list-style-type: none">• string• number• boolean• password• datetime
	Value	Enter the value of your global variable.
	Description	Enter a meaningful description for your global variable.

Click **Apply** to create the global variable.

Editing a Global Variable

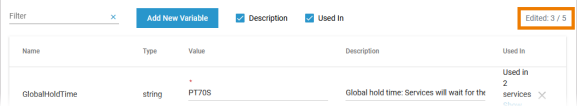


Name	Type	Value	Description	Used in
GlobalHoldTime	string	PT70S	Global hold time. Services will wait for the error in show log	Used in 3 services
KyotoDefaultXREALClientID	string	xxxxx-default-client	The default clientID used in the xREAL services.	Not in use
SecretMongoDB	password	*****	Pin used for the database connection	Not in use
StandardRESTServicePort	number	12345	Standard port for REST services	Not in use

You can adjust value and description of a created global variable at any time.

Edit the content directly in the global variables' list.

Save is only enabled when changes have been made.



Name	Type	Value	Description	Used in
GlobalHoldTime	string	PT70S	Global hold time: Services will wait for the	Used in 2 services

The counter on top right indicates if and how many changes have been made.

Click **Save** to open the **Manage Variables** dialog.

×

Manage Variables

Please note that a change to the variables can affect various services (see column **Used in** for an overview). The new value of the variables is only applied after a service is restarted.

Name	Old Value	New Value
GlobalHoldTime	PT80S	PT70S

Select the services you want to restart:

☒ Select all

☒ testservice

☒ ticketsystem

Save

Cancel

It shows all changes you have just made. The old and the new value are displayed so that you can check your changes again.

New values are only applied after a service restart. If the variable is already in use, you have the option of restarting all - or selected - services directly. Select the services you want to restart in the displayed list.

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Please note: If you desire select the automatic restart for

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started manually.

Click **Save** to save your changes and restart the selected services.

Manage Variables

Please note that a change to the variables can affect various services (see column **Used in** for an overview). The new value of the variables is only applied after a service is restarted.

Name	Old Value	New Value	New Description
GlobalHoldTime	PT70S	PT80S	Unchanged
SecretMongoDB	*****	Unchanged	PW used for the connection to the MongoDB
StandardRESTServicePort	12345	12346	Unchanged

Select the services you want to restart:

- ☒ Select all
- ☒ testservice
- ☒ ticketssystem

Save Cancel

You can edit several variables at once. All changes will be displayed in the **Manage Variables** dialog.



If you click **Cancel** to abort the action, the changed content is still

displayed in the list. If you leave the list without saving, the old values will be shown when you reopen the global v

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Deleting a Global Variable

SecretMongoDB

password

Confirm Password *

Check ID

PW used for the database connection

use

X

StandardRESTServicePort

number

12345


Standard port for REST services

Not in use

Save

Items 5

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To delete a global variable, click .

Confirm Variable Deletion

Are you sure you want to delete variable StandardRESTServicePort?

Delete

Cancel

Confirm the security prompt in the pop-up window to delete the variable from the list.

Used In

Used in 2 services

testservice
ticketsystem

Deletion not possible as long as variable is in use

i You can only delete it unless you've already written a book. If a global

variable is still in use, the option is not available. Either delete each the global variable from these service (by defining a

temporary namespace - specific variable) or delete the service.

Name	Type	Value
PASGlobalKeycloakBasePath	string	/rc/keycloak/realms/PAS Read-only
PASGlobalKeycloakDefaultXUMLCientID	string	xumi-default-client Read-only
PASGlobalKeycloakHost	string	https://pas.devcluster.pas.scheer.system Read-only
PASGlobalKeycloakURL	string	https://pas.devcluster.pas.scheer.system Read-only
PASGlobalMongoDBReplicaSet	string	rs0 Read-only

Every PAS installation provides some [global standard variables](#). These variables are read-only and cannot be deleted.