Release Details of PAS 22.2

Migration Notes

The following bugfixes and features are subject to migration. Please perform the necessary migration tasks.

PAS Release	Component	Issues	Runtime Dependency
PAS 22.2	xUML Runtime 2022.9	PAS-4773	This Runtime fixes a potential misbehavior of URL Adapter and an easy-to-trigger data loss if using it with FTP-like protocols, introduced in version 2022.8.

API Developer Portal 1.3.3

Bug	Description	Documentation Link
PAS-5413	Token refresh while loading swagger ui not working	
PAS-5165	IP address input field not working in Policies tab	Using "My Clients"
PAS-5050	Behavior of filter on 'My Clients' page changed	
PAS-4877	Policy probes for policies on IP basis don't work in the dev portal	Using "My Clients"
PAS-4876	Swagger UI Default Icon is broken	
PAS-4869	Syntax highlighting of markdown description throws init error	
PAS-4562	Retired APIs confuse users on API Developer Portal	Managing the Developer Portal
PAS-4556	TOC hidden when pressing unregister client	Using "My Clients"
PAS-4555	Re-register button shows no snackbar message in case something weird happened	Using "My Clients"
PAS-4481	Cypress Test Data causes errors	
Improvement	**Description**	**Documentation Link**
PAS-5370	Change default devportal config to disable terms /conditions	Subscribing to a Private API
PAS-4857	Notification for existing clients when API has been retired	Managing the Developer Portal
PAS-4554	Try out API page must be re-designed	Testing APIs
PAS-4433	Swagger UI Response Background is hard to read	Testing APIs
PAS-4169	Improve wording in Developer Portal user details	Managing the Developer Portal
PAS-4162	More space between button and notification bubble	
PAS-4140	Icon in marketplace shows only latest version	Managing the Developer Portal
PAS-3595	Show 'Approval Required' on API-Details page	• Managing the Developer Portal • Developer Access to APIs • Subscribing to a Private API
New Feature	**Description**	**Documentation Link**
PAS-4030	Print component version in user account page	

API Management 8.4.0

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  - xUML Runtime 2022.12
  - xuml-management-ui 1.1.5

Bug	Description	Documentation Link
PAS-5085	Cannot break first contract from client before registering	• Registering a Client • Creating a Contract
PAS-5046	remoteAddr is missing in apiman metrics entries	
PAS-4907	Clone of public API is not cloning the visibility	• The Concepts of API Management > Visibility • APIs
PAS-4756	Visibility updates not correctly applied	The Concepts of API Management > Visibility
PAS-4548	API approval button does not show error if an error happens during client register	Registering a Client
Task	**Description**	**Documentation Link**
PAS-4944	New test case for API retirement notification	• Retiring an API • Notifications
PAS-3508	Improve testcase for Timeout Policy	TIMEOUTIMEOUT
Improvement	**Description**	**Documentation Link**
PAS-4670	Filter for api search endpoint doesnt work	
PAS-4606	Each user with IDM permission "apiuser" should be able to create organizations	• Creating an Organization • Managing a Private API Creating an Organization
PAS-4549	WARN 'No shard available for [get [apiman_gateway_dataversion][_doc][instance]' in elasticsearch	
PAS-4137	Notification for existing clients when API has been retired	Notifications
New Feature	**Description**	**Documentation Link**
PAS-4593	Vert.x Gateway does not work with proxy	
PAS-3448	Transfer Quota Policy should support ip addresses	Transfer Quota

Bridge 7.25.0

Contains xUML Runtime Version: 2022.11
Contains Bridge API Version: 2.13.0
Contains Roles Version: 1.27

Improvement	Description
PAS-5393	Update Tomcat to version 9.0.69
PAS-5391	xUML Runtime 2022.11
PAS-5243	Update Java to version 17.0.5
PAS-5134	Change owner of a service via Bridge API
PAS-4790	Logo in the Bridge UI should direct to PAS Portal

Bug	Description
PAS-5368	Do not show setting passwords in HTML source
PAS-5004	Permission for showing Status page is not checked correctly
PAS-4795	Persistent state "Raw Data for Support" throws NullPointerException

Bridge 7.25.1

Contains xUML Runtime Version: 2022.12
Contains Bridge API Version: 2.13.0
Contains Roles Version: 1.27

Improvement	Description
PAS-5687	xUML Runtime 2022.12
PAS-5646	Update Tomcat to version 9.0.70

Builder 7.26.1

Contains xUML Runtime Version: 2022.11

Bug	Description
PAS-4587	Escape special characters in form labels

Builder 7.27.0

Contains xUML Runtime Version: 2022.11

Bug	Description	Documentation Link
PAS-5476	Service Task gets stuck	
PAS-5433	Send unpersisted mapping elements to compiler	
PAS-5341	xUML Runtime API cannot distinguish multiple schedulers within a service	
PAS-5277	Error when deploying or clearing cache	
PAS-5265	Deploy service must handle 404	
PAS-5236	Action tagged value is not derived from called operation name	
PAS-5161	Some files stays open forever	
PAS-5145	Role check does not work for plain events	
PAS-5138	Friendly setting Ids missing for settings coming from libraries	
PAS-5038	Errors in MemoryAdapter_GuessingGame_Example	
PAS-5005	WARN No task factory found for 'project.json'	
PAS-4724	Warning when creating a mapping with an array	
PAS-4722	Conditional mapping is not possible with a self parameter	
PAS-4646	Analyzer Installer does not work (JNI Error)	
PAS-4616	Can not retrieve BPMN instances when in a ReceiveTask	

PAS-4587	Escape special characters in form labels	
PAS-4544	Analyzer Regression Tests - Can't start service with umlauts in name	
PAS-4542	Compiler changes PUT to POST for FTP, SFTP, FTPS	
PAS-3673	Confusion between built-in and custom methods in case of a postfix-application of further methods	
Improvement	**Description**	**Documentation Link**
PAS-4660	Add JWT Token adapter to Analyzer	
PAS-4659	Add Apache Kafka Producer adapter to Analyzer	
PAS-3603	Builder: migrate build pipeline to gitlab	
PAS-3406	Add keycloak client id in security settings	
New Feature	**Description**	**Documentation Link**
PAS-4871	Access to current index in iteration blocks	Iterations
PAS-4693	Create AngularCompileTask that compiles the forms in a library	
PAS-4692	Create library uml	
PAS-4691	Execute RepositoryTask to get lrep file for compiled libraries	
PAS-4690	Create library descriptor	
PAS-4689	Bundle together the xlib file	
PAS-4688	Add new rest endpoint for the compiled library	
PAS-4686	Send E2ELibraryClass stereotype to the designer	
PAS-4648	Add endpoint for exporting the compiler source files	
PAS-3324	Use keycloak angular in generated app	
PAS-2985	Authorization checks on compiled xuml service	

Designer 4.2.1

Bug	Description	Documentation Link
PAS-3680	OpenAPI-Connector does not import classes without attributes correct	• Creating an OpenAPI Connector • OpenAPI Import Rules

Designer 4.3.0

Bug	Description	Documentation Link
PAS-5552	Import spinner is not shown anymore	Exporting and Importing Explorer Contents
PAS-5534	Error when importing a REST service in the Designer	REST API
PAS-5510	No automatically added nodes on new activity diagram	Adding Action Nodes
PAS-5507	Library editor does not open correctly	Libraries
PAS-5496	Empty Context menu on lib folders and lib forms	Libraries

PAS-5485	pas-designer-service is crashing: accept/connect EMFILE	
PAS-5465	Newly inserted form element loses focus in attributes panel	Adding Form Elements
PAS-5458	No auto refresh of service panel after copy of Items from Libraries and Connectors and insert into Implementation scope	Service Panel
PAS-5419	Open implementation does not work when selected from the context menu	
PAS-5416	Receive code 400 (client error) when requesting definitions	
PAS-5414	Input pins (sometimes) move to the output side after deleting the mapping operation	Working with the Mapping Editor pp.
PAS-5408	Mapping Diagram: Single mapping operation pin in nirvana	Working with the Mapping Editor pp.
PAS-5403	Target pins are sent incorrectly to the compiler	Modeling Activities pp.
PAS-5402	Unable to draw relation	Drawing Object Flow
PAS-5389	Activity Diagram: Pins of deleted parameters are still displayed as valid connection target	Drawing Object Flow
PAS-5387	Need to click "Save" twice when wanting to change implementation of operation	Adding Operations to Mapping Relations
PAS-5386	Changing implementation of operation does not work as expected	Adding Operations to Mapping Relations
PAS-5385	Activity Diagram: Inconsistent behavior when deleting parameters	Working with the Activity Editor
PAS-5378	Output parameter is displayed as input parameter in the activity diagram	Adding Parameters in the Activity Editor
PAS-5361	Activity diagram: Cannot connect Output Pin to Activity Parameter	Drawing Object Flow
PAS-5349	Read permission on service allows creation of connectors and adding libraries	Services
PAS-5347	Only the operation icons of the selected folder are displayed correctly	Service Panel
PAS-5326	Does not show array sign in the parameter type	• Creating an OpenAPI Connector • Implementation
PAS-5320	pas-designer-service is crashing: Unexpected end of JSON	
PAS-5317	Designer can name a service with special characters	• Working with the Explorer • Services • Modeling BPMN
PAS-5313	Stop and start buttons disabled	Controls Panel
PAS-5311	Cannot add form to subform	Modeling Forms pp.
PAS-5296	Message type is not applied to Get Data	Modeling Execution pp.
PAS-5295	Service started as docker container but status not shown in designer	Managing the Service Details
PAS-5293	Activity Diagram: some actions are not available before reloading model	Working with the Activity Editor
PAS-5277	Error when deploying or clearing cache	Controls Panel

PAS-5269	'Unknown operation' displayed for name attribute in mapping operations	Adding Operations to Mapping Relations
PAS-5268	Validation fails (pas_designer_library_1. SystemAttributes.Name)	Validation Panel
PAS-5266	Log error if service stops	
PAS-5265	Deploy service must handle 404	
PAS-5264	The libraries folder is empty in the exported zip after checking include libraries	Libraries
PAS-5244	Mapping diagram is broken after used operation is deleted	Modeling Data Mapping pp.
PAS-5228	Cannot apply error class to REST Service API	API
PAS-5227	Multiplied name attribute	Attributes Panel
PAS-5223	Long running compilation process cannot return results to the client due to the token expiring	
PAS-5221	Plain events are sent as boundary events to the compiler	Modeling Forms pp.
PAS-5219	User registration for compilation notifications not working correctly	
PAS-5218	Foreach mappings are sent incorrectly to the compiler	Array Mapping > Mapping Array Elements i n a Loop (foreach)
PAS-5217	Cannot chose alias for MongoDB adapter	MongoDB Adapter
PAS-5212	When creating a new service, the next free port is no longer selected	Services
PAS-5211	Validation error when opening service on pas-test	• Services • Validation Panel
PAS-5209	Message type is not applied from form	• Modeling Execution • User Task
PAS-5206	API error message after deployment	• API Management Best Practices • Setting-up API Management Elements • Securing APIs
PAS-5200	Activity Diagram parameter creation decorators connecting to wrong operation	Adding Parameters in the Activity Editor
PAS-5199	Importing service doesn't work	Services
PAS-5190	The project disable validation option is not respected	Controls Panel
PAS-5189	Push notifications from service failing when an array is sent	
PAS-5186	Fix unit tests for attribute definition test-suite in pas-designer-service and stop allow failing	
PAS-5184	User has to click twice to start service import	Exporting and Importing Explorer Contents
PAS-5183	Deleting operation from the implementation panel makes Execution Diagram unusable	• Implementation • Modeling Execution
PAS-5176	Service is running as docker container, but this is not reflected in the Designer	Managing the Service Details

PAS-5162	Execution Diagram - incompatible connections are no longer highlighted	Modeling Execution pp.
PAS-5144	The queued import can sometimes run multiple times	
PAS-5119	Permissions not applied correctly when moving a service to a restricted folder	• Folders • Services
PAS-5111	Cannot add literals to operations from Lib	Adding Literals
PAS-5110	Adding "Throw exception" throws an exception	• Throw Exception • Modeling Activities
PAS-5105	Deploy as bridge service keeps spinner running altough deployed	Managing the Service Details
PAS-5102	Deploy as docker container does not work	Managing the Service Details
PAS-5098	Export button must be tapped double to work	Exporting and Importing Explorer Contents
PAS-5097	Importer does not import REST Alias	
PAS-5094	Generator pins are not shown on activity diagram	Modeling Activities pp.
PAS-5063	Not possible to export and import within the same designer version	Exporting and Importing Explorer Contents
PAS-5053	Cannot delete imported model in service	BPMN Model
PAS-5052	Export fails because of invalid token	Exporting and Importing Explorer Contents
PAS-5041	Wrong additional icon in the controls panel on pas-rc	Controls Panel
PAS-5011	Sandbox is not expanded after import of service	Exporting and Importing Explorer Contents
PAS-5010	No success message after service deployment	Controls Panel
PAS-5000	pas-designer-service uses old service-provider in some cases which causes 401	
PAS-4994	Slow type select dialog if you press save	
PAS-4990	Next button should be disabled	• Connectors • Single Connector • Using Connectors
PAS-4981	referencing class not imported error cannot be clicked	
PAS-4979	Clearing compiler cache does not work	Controls Panel
PAS-4978	Do not display data from old service	
PAS-4974	pas-rc: Not possible to open BMNP after import it to another service	• Exporting and Importing Explorer Contents • BPMN Model
PAS-4972	Profile creation not reported correctly by the user-service to the pas-designer-service	Adding a Profile
PAS-4971	Library is missing in export	Exporting and Importing Explorer Contents
PAS-4969	Add new parameter to call operation does not work on Firefox	

PAS-4962	Problems with container deployment on PAS-RC	Managing the Service Details
PAS-4947	Long time bug import/export services	Exporting and Importing Explorer Contents
PAS-4946	Form elements disappear	Modeling Forms pp.
PAS-4943	Check Profile step does not finish	
PAS-4939	Generated properties of form class in package form not updated	Implementation
PAS-4891	Permission problem on example folder again	
PAS-4867	Problem exporting large projects with the nestjs logic	Exporting and Importing Explorer Contents
PAS-4866	Problem with ReferencedObjectServiceManager when working with multiple profiles	
PAS-4862	Activity Diagram - Alignment of operations also has negative effects on parameter ports	Modeling Activities pp.
PAS-4860	Disable copy of items from Base Types	Base Types
PAS-4858	Error while exporting service after cutting/pasting	Exporting and Importing Explorer Contents
PAS-4839	Display error in service panel when importing and deleting forms/processes	Service Panel
PAS-4804	Drag & drop in instance list editor is only working after first save	Configuring the Instance List
PAS-4802	Import not possible(pas-test): Error message incorrect and not shown in red	Exporting and Importing Explorer Contents
PAS-4784	Restore of old backups does not work due to a changed collection name	Creating and Restoring Backups of Namespaces
PAS-4753	New pins are not displayed	Modeling Activities pp.
PAS-4736	Trigger Event for Usertask not working properly	User Task
PAS-4725	Unresolved error message when trying to import a service directly into a namespace	Exporting and Importing Explorer Contents
PAS-4674	Removing an expanded object in mapping breakes style	Drawing Mapping Relations
PAS-4645	Parentless mapping operation is floating around in a data model	Adding Operations to Mapping Relations
PAS-4618	Variables must not have a default value	
PAS-4601	Designer: does not work after restarting every morning	
PAS-4598	Service/Folder export does not work (Operation Error)	Exporting and Importing Explorer Contents
PAS-4595	Importing files throws 'Operation Error'	Exporting and Importing Explorer Contents
PAS-4589	Deployment of a service not possible due to wrong warning message in controls panel	Controls Panel
PAS-4486	Exporting a BPMN does not export the instance list	BPMN Model
PAS-4379	Check and fix 'cleanupLogs' job created over pas-designer-service	
PAS-4377	When accessing another namespace, "Cannot set properties of undefined (setting 'crypressId')" appears	Namespaces
PAS-3844	Enable calculation of position number in "Array_Mapping_With_foreach_Example"	Array Mapping
PAS-3225	Console error messages in designer	

New Feature	Description	Documentation Link
PAS-5537	Create an example with a REST API	• API • API Implementations
PAS-5239	Example for JSON adapter	
PAS-4697	Icons for exported library elements	• Controls Panel • Developing and Using Libraries
PAS-4695	Create entry in the export library menu	Controls Panel
PAS-4694	New attribute to add elements in a library	Developing and Using Libraries pp.
PAS-4687	Create translations for stereotypes	Stereotypes
PAS-4649	Add UI element for exporting the compiler source files	• Controls Panel • Information to Include in a Support Request • Error Handling Designer Services
PAS-4631	Create new example for Flat File Handling	Flat File Adapter pp.
PAS-4519	Create parameters when connecting to new pins area on Execution Diagram	Adding Parameters in the Execution Editor
PAS-4518	Create parameters when connecting to new pins area on Activity Diagrams	Adding Parameters in the Activity Editor
PAS-4517	Create parameters when connecting to new pins area on Mapping Diagrams	Adding Parameters in the Mapping Editor
PAS-4347	Comment element for Activity Diagram	• Modeling Activities • Working with the Activity Editor • Adding Action Nodes • Changing the Attributes of Elements on the Activity Diagram • Comment • Drawing an Activity Diagram • Adding Comments
PAS-4255	Send REST Service data to xUML compiler	Developing and Using Libraries pp.
PAS-4254	<<E2ERESTService>> quick action and context menu	
PAS-4237	Caching and display of API services	API Implementations pp.
PAS-4132	API subnodes implementation	API Implementations pp.
PAS-4131	Include loading of APIs when project is loaded	API Implementations pp.
PAS-4129	adding API explorer item	API Implementations pp.
PAS-3277	Proxy to the dev containers	
Improvement	**Description**	**Documentation Link**
PAS-5515	make the deployment target configurabel	Managing the Service Details
PAS-5457	Correct writing of error toast message	
PAS-5324	Only support OpenAPI 2	

PAS-5282	Display "Unknown operation" for deleted operations	
PAS-5257	Handle special names of library elements	Developing and Using Libraries
PAS-5104	Change icon to be unchecked if element is not selected	• Working with the BPMN Editor • Working with the Activity Editor • Working with the Execution Editor • Working with the Mapping Editor
PAS-5099	Import service in sandbox did not succeed	Exporting and Importing Explorer Contents
PAS-5034	Use join in simple mapping example	
PAS-5033	Remove catch from filesystem example	
PAS-4912	Syntax highlighting for ActionScript in Monaco editor	• Working with the Action Script Editor • Basics of the Action Script Language (slightly adapted)
PAS-4884	Rename label "Docker Container" to "Container" only	• Service Panel • Managing the Service Details • Controls Panel • Selecting the Deployment Target • Deploying and Starting the Service
PAS-4874	Names of new operation parameters (Foreach_index)	Array Mapping
PAS-4812	Show library icons	
PAS-4774	Call delete endpoint in compiler when removing a service	
PAS-4675	Support double-click on activity comment element	Comment
PAS-4629	Improve performance of the MigrationData class to make migrations faster	
PAS-4512	Only show aliases on the service details and not RESTError	Managing the Service Details
PAS-4508	Activity diagram: Use referencedElementId on call operation	Modeling Activities pp.
PAS-4506	Add new parameter to call operation	• Adding Parameters to Operations • Adding Parameters in the Mapping Editor • Adding Parameters in the Activity Editor • Adding Parameters in the Execution Editor
PAS-4325	Add link to the preview	
PAS-4194	Validate that the communication with other services still works on client side and change where needed	
PAS-3972	Review and remove unused endpoints and connected code	

PAS-3969	Remove the websocket connection to pas-designer-service	
PAS-3771	Support incoming REST service	API Implementations
PAS-3334	Module mechanism for designer	
PAS-3267	Change client service calls to use HTTP	
PAS-3022	Use new service template for pas-designer-service	
PAS-2058	Service Panel - Context Menus	• Service Panel • Modeling BPMN • Modeling Forms • Modeling Data Structures • Modeling Data Mapping • Modeling Activities
Task	**Description**	**Documentation Link**
PAS-5039	Errors in MongoDBAdapter_CustomerData_Example	MongoDB Adapter
PAS-4443	Create example for how to read details from logged-in user	

Designer 4.3.2

Bug	Description	Documentation Link
PAS-5620	Test on the service are failing	
PAS-5602	Wrong separator used in OperationPins for Connector Parameters	
PAS-5597	REST adapter can not be applied to REST calls	REST Adapter
PAS-5592	Cannot drag nested functions from API Tree into Mapping Diagram	• API • Modeling Data Mapping
PAS-5591	Cannot import complex openapi2 files anymore	• Creating an OpenAPI Connector • OpenAPI Import Rules
PAS-5587	Export not working / 414 Request URI to Large	Exporting and Importing Explorer Contents
PAS-5067	Cannot create new "foreach" parameters	Array Mapping

Designer 5.3.2-hotfix.3

Bug	Description
PAS-5682	Adding new operation parameters will produce invalid pins in activities
PAS-5631	Rest stereotype parameters are missing after usage of rest operation
PAS-5550	Relation is missing

analytics-api-service_4.1.0

Bug	Description
PAS-5614	Error in finding host name from collector config
PAS-3802	pas-demo | Error in ETL Service 'Incorrect integer value'

analytics-etl-service_2.1.2

Bug	Description
PAS-5614	Error in finding host name from collector config
PAS-5384	Duplicate key constraint error when working queue
PAS-5267	Analytics - Procedure "SetETLState" fails
PAS-3802	pas-demo | Error in ETL Service 'Incorrect integer value'

deployment-wizard 4.0.4

Bug	Description	Documentation Link
PAS-5261	Deployment wizard should rename image and containername on upload	Working With the Deployment Wizard
PAS-5151	Use new User Service in xuml management ui, service manager, deployment-wizard	
PAS-4986	Deployment wizard partially sends hardcoded image values	Working With the Deployment Wizard
Improvement	**Description**	**Documentation Link**
PAS-4793	Deployment Wizard must return deployment response	Working With the Deployment Wizard
PAS-4731	Adjust wording and Deployment Options for Kubernetes	
PAS-4730	Disable file upload chooser in deployment wizard	Working With the Deployment Wizard

file-storage 5.0.0

Bug	Description
PAS-5536	NestJS file storage tries to read data from wrong source
Improvement	**Description**
PAS-1425	Migrate File-Storage (and maybe File-Service) and Analyitics-ETL/Collector to use MinIO

keycloak 22.2

New Feature	Description
PAS-4919	Add role permissions for PAS Designer users
Improvement	**Description**
PAS-4368	Add system link to email notifications

messaging-service 4.0.0

Bug	Description

PAS-4707	messaging-service resends already sent messages without stopping

nginx 1.23.2.0

Improvement	Description
PAS-2246	Harden security settings on default nginx config

one-docker 22.2

Improvement	Description
PAS-4637	Add script to create a minio bucket during elasticsearch backup (if not present)

portal-app 2.2.0

Bug	Description	Documentation Link
PAS-5035	Error 401 when accessing the portal	Getting Started With Scheer PAS
PAS-4741	Portal is bugging when Auth Service sends code 417	Getting Started With Scheer PAS
Improvement	**Description**	**Documentation Link**
PAS-5002	use PAS Realm Keycloak Tile and Account Tile in Portal	Working with the Identity Management
PAS-4998	Adjust Portal to consume new User Service Nest routes	Getting Started With Scheer PAS
PAS-4108	Enable linter and prettier in portal-app and submodules	

service-manager-module 5.4.9

Bug	Description	Documentation Link
PAS-5375	Administration tries to fetch auth-service data but its pending infinite	
PAS-5374	Enable viewing logs for authenticator-service	
PAS-5342	Service Manager must keep state of panels	
PAS-5151	Use new User Service in xuml management ui, service manager, deployment-wizard	
PAS-5129	Reloading Swagger UI does not work	
PAS-5028	Fix Service Manager Module pipeline for publish job	
PAS-5023	Wording Administration tile: Avoid "docker container"	Overview on Administration Profiles
PAS-4634	logging-service getURL-call returns wrong query for nestJs services	
PAS-4602	Resetting the log level for nestjs services does not show expected state	
PAS-4600	Wrong text and options for new nestjs logging panel	
New Feature	**Description**	**Documentation Link**
PAS-4732	Runtime endpoints must be fetched dynamically	

Improvement	Description	Documentation Link
PAS-4586	Relocate OpenAPI default location	
PAS-4453	Refactor Administration: Data structure of services and (soon) workloads	
PAS-2877	New permission scheme for administration	Overview on Administration Profiles
PAS-2426	Portal should be capable of managing Workloads in Kubernetes	

service-repository 6.2.0

Bug	Description
PAS-5439	Public path for registered endpoint is wrong
PAS-5286	Service-repo nestjs does not register itself to mongo
PAS-3255	Different versions of an containerized unique xUML service may lead to unexpected behavior
New Feature	**Description**
PAS-2427	Build and deploy container with kubernetes API
Improvement	**Description**
PAS-4592	Relocate OpenAPI descriptor
PAS-3252	Use xUML service routes for changing container properties / setting
PAS-2876	CRUD operations on containers created by user

user-service 7.0.0

New Feature	Description
PAS-4919	Add role permissions for PAS Designer users

xUML Runtime 2022.8

Bug	Description
PAS-4620	ZIP-Adapter cannot deal with UNC pathes
PAS-4551	URL Adapter: one-time memory leak for each FTP-like call with POST as a method

xUML Runtime 2022.9

> ⚠ **Compatibility Hint**
>
> This Runtime fixes a potential misbehavior of URL Adapter and an easy-to-trigger data loss if using it with FTP-like protocols, introduced in version 2022.8.

Bug	Description
PAS-4777	XML Parser does not follow redirects when downloading schemes
PAS-4773	URL Adapter treats all requests as uploads

xUML Runtime 2022.10

New Feature	Description	Documentation Link
PAS-4872	Access to current index in iteration blocks	Iterations
Bug	**Description**	**Documentation Link**
PAS-4779	HTTP Service: memory leak when logging incoming request (log level DEBUG)	

xUML Runtime 2022.11

Bug	Description
PAS-5316	Zip adapter crashes service if baseDir is NULL on unzip
PAS-5255	ZIP adapter adds a point when baseDirectory is not set
PAS-5036	Service does not start: Segmentation fault (re-writing external PS)

xUML Runtime 2022.12

Bug	Description
PAS-5667	Crash if SAP connection string has wrong format
PAS-5639	Crash parsing complicated SAP connection string
PAS-5532	Convert + in REST query parameters to blank

xuml-management-ui 1.1.5

Bug	Description	Documentation Link
PAS-5329	Multiple table column "name" in xuml-management-settings-ui	
PAS-5235	Swagger ui css is broken	
PAS-5220	Missing copy to clipboard function for private API endpoint	Controlling Containerized xUML Services
PAS-5151	Use new User Service in xuml management ui, service manager, deployment-wizard	
New Feature	**Description**	**Documentation Link**
PAS-4732	Runtime endpoints must be fetched dynamically	