

# Release Details of PAS 23.1



## Migration Notes

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

PAS Release	Component	Issues	Runtime Dependency
<b>opcua-connector-service 1.7.1</b>			
	23.1.1	5856	If you create an OpenAPI connector with attributes/parameter format=date or date-time, the Designer type will be DateTime. Before this fix it was String.
Improvement	Description		Documentation Link
FAS-8060	JSON schema for OPCUA configuration		When you create the OpenAPI connector, the type is changed from String to DateTime and you will get compile errors: Trying to assign type 'Base_Types::String' to <something> having the incompatible type 'Base_Types::DateTime'. You need to migrate your model to the new types.
<b>opcua-connector-service 1.7.2</b>			
Bug	Description		Documentation Link
FAS-8413	Designer cannot read existing nodes		When you select an element in the diagram, you can now change the values in the attributes. This option is currently available for the following diagram elements: Activity diagram (Call Operation, Operation Pin), Mapping diagram (Input Parameter, Operation, Mapping Operation Pin), Execution diagram (Decision Node). We will support more elements in the future.
FAS-8412	Exception message in the error form		
FAS-8356	Sub Worker are created even if old connections are not closed		
Improvement	Description		Documentation Link
FAS-8216	Cover state recovery & setup with tests		
23.1.1	xUML	PAS-6888	The exception codes/domains for the S3 Adapter have been adjusted to follow the same rules the other components use.
FAS-8215	Exchange runtime information session	PAS-6811	
2023.3			Updating the models may be necessary.
<b>opcua-connector-service 1.8.0</b>			
23.1.0.4	Designer	PAS-7063	To fix the problem with the changed order of library parameters, you need to generate a fixed version of the library by exporting it once again.
Bug	Description		Documentation Link
FAS-8599	Connector-Service build is failing		If you get errors like VALXUML Attribute '@name' on
23.1.0.2	Designer	PAS-	element 'attributes' has not a whitespace-less
FAS-8540	Runtime exception on monitored item termination		
FAS-8512	Partially created connectors are not being properly types in diagrams related to		
FAS-8502	Param limit too short for SAP nodes		SAP nodes to create your SAP connector again. With this release we fixed a bug where internal identifiers of SAP connector
FAS-8476	CreateSubscriptionRequest should not run in parallel		
FAS-8435	Falsy opcua values are overridden by default value		classes were not unique.
23.1	Compiler	PAS-	(introduced 1.7.2)
Improvement	Description		Documentation Link
		PAS-6562	If you replace an existing library with the same version as a newly uploaded one, you won't see the new library in the Service panel
FAS-8526	Update dependency node-opcua 2.217.0		tree unless you reload the Designer or unselect and then re-select the library usage. You do not need to clear the compiler cache
FAS-8509	Improve status information (Part 1)		any more.
FAS-8507	Distinguish logs from different client / session instances		
Designer	PAS-		If you replace an existing library with the same version as a newly
		PAS-6562	uploaded one, you won't see the new library in the Service panel

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## Builder 8.2.2

tree unless you reload the Designer or unselect and then re-select the library usage. You do not need to clear the compiler cache



Contains xUML Runtime Version: [2023.4](#)

Bug	Description	PAS-	The export of folders in the Explorer is back.	Documentation Link
PAS-8091	Error message when exporting a DEV-KIT library	6094		
PAS-7981	Remove getCompositeHost and macro operations from Designer			

## asset-repository-service 1.1.2

Bug	Description	Documentation Link
PAS-8045	Publishing asset fails: organization is missing for the namespace	

## PAS 23.1.2.1 (12.09.2023)

### Builder 8.2.1



Contains xUML Runtime Version: [2023.4](#)

Bug	Description	Documentation Link
PAS-7967	Using form from library in library does not work	

## Designer 4.5.1

Bug	Description	Documentation Link
PAS-8032	Can not create RestPort and interface inside RestPort	
PAS-7996	Devkit event key not correct	
PAS-7958	Activity Diagram reload button delete pins	
PAS-7875	Property changes are not propagated to mapping diagrams	
PAS-7815	Model corrupted after export and import same process in same model	
PAS-7773	Asset status is not displayed correctly in the "Browse Assets" modal	
PAS-7670	Service panel - Deleting problems	
PAS-7669	Service Panel - REST Port visible only after refresh	
PAS-7668	Service Panel - Sub-folder can not be renamed	
PAS-7577	Message spam on connection loss in library publication wizard	
PAS-7551	Problematic deletion behavior for operations in mapping diagram	

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- [PAS 23.1.0.3 \(12.05.2023\)](#)
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- [PAS 23.1.0.2 \(26.04.2023\)](#)
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- [PAS 23.1.0.1 \(21.04.2023\)](#)
  - [Compiler 23.1.0.1](#)
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  - [API Developer Portal 1.3.4](#)
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Improvement	Description	Documentation Link
PAS-7879	Improve performance when modifying large data models	

## file-storage 5.1.2

Task	Description	Documentation Link
PAS-7922	file-storage-nestjs unhealthy	

## PAS 23.1.2 (24.08.2023)

### Builder 8.2.0



Contains xUML Runtime Version: [2023.4](#)

New Feature	Description	Documentation Link
PAS-7904	Update app-core module in compiler	
PAS-7165	Expose Library directives to forms	
Bug	Description	Documentation Link
PAS-7859	DateTime in data table cannot deal with de/en switch	
PAS-7851	Loading Spinner while initializeForm function	

## Designer Examples 23.1.2

New Feature	Description	Documentation Link
PAS-7564	Create an example for the URL adapter	
PAS-7614	Create example that shows the usage of transformations/Get attribute	

## Designer 4.5.0

Improvement	Description	Documentation Link
PAS-7903	Publish assets without uploaded logo with default logo	
PAS-7621	Send new html attribute field to compiler	
Bug	Description	Documentation Link
PAS-7897	Wrong multiplicity set for optional rest parameters	
PAS-7857	Drawing large mapping literal values freezes the Designer	
PAS-7817	Asset Repo Drawer change lib version	
New Feature	Description	Documentation Link
PAS-7429	Add new html attribute field to form components	

## asset-repository-service 1.1.0

Bug	Description	Documentation Link
PAS-7899	Cannot upload Lrep Library	
Improvement	Description	Documentation Link
PAS-7703	Provide an endpoint to deliver the asset information for an upload	

## elasticsearch 1.1.7

Task	Description	Documentation Link
PAS-7930	opensearch automatic component update	

## file-storage 5.1.1

Task	Description	Documentation Link
PAS-7931	Integration GEC Integration: Monitoring (INF-1157)	
PAS-7922	file-storage-nestjs unhealthy	

## mailer-service 3.1.2

Task	Description	Documentation Link
PAS-7931	Integration GEC Integration: Monitoring (INF-1157)	

## messaging-service 4.2.1

Task	Description	Documentation Link
PAS-7931	Integration GEC Integration: Monitoring (INF-1157)	

## reporting-service 3.2.1

Task	Description	Documentation Link
PAS-7931	Integration GEC Integration: Monitoring (INF-1157)	

## service-repository 6.5.4

Task	Description	Documentation Link
PAS-7931	Integration GEC Integration: Monitoring (INF-1157)	
Bug	Description	Documentation Link
PAS-7880	Container deployment reset the config to default after re-deployment	

## user-service 7.4.0

Task	Description	Documentation Link
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PAS-7931	Integration GEC Integration: Monitoring (INF-1157)	
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## PAS 23.1.1 (02.08.2023)

### API Developer Portal 1.3.5

Bug	Description	Documentation Link
PAS-6750	Loading a detail page of deleted api leads to endless spinner	

### API Gateway 8.6.0

Bug	Description	Documentation Link
PAS-7473	Basic Auth with connected JDBC datasource not working	
PAS-7443	Time Restricted Access Policy uses local time of gateway instead of UTC	

### API Management Backend 8.6.0

Bug	Description	Documentation Link
PAS-7324	API Definition breaks with new API version	
PAS-7178	Cannot load organization details of a non-admin user	
PAS-7014	Apiman Migration did not work from 22.2.1 to 23.1	
New Feature	Description	Documentation Link
PAS-6722	Provide new endpoint for fetching detail information on given Organization	
PAS-6721	Provide new endpoint for fetching detail information on given API /Client/Plan	

### API Management Legacy UI 8.6.0

Bug	Description	Documentation Link
PAS-7520	Broken external documentation links (HTTP-Security-Policy)	
Improvement	Description	Documentation Link
PAS-7363	Change default values of some policies	

### API Manager UI 0.2.1

Bug	Description	Documentation Link
PAS-7735	Accessing view with restricted role leads to possible DOS attack	

PAS-7521	Wrong description for HTTP Security Policy	
PAS-7472	Remove pointer when hovering over policy attach icon	
PAS-7415	Policy Wizard should not allow header navigation or provide form checking	
PAS-7364	Errors on policy list	
PAS-7362	Create new policy: next button disabled	
PAS-7349	No spinner is shown while creating an entity	
PAS-7348	Policy Wizard can create more than one policy if you click "save" multiple times	
PAS-7338	Markdown editor loads css from cdn	
PAS-7312	Linking from organization chips renders the overview page	
PAS-7269	Wording for retiring client	
PAS-7267	Back button missing when editing policy	
PAS-7262	Contract creation for not published API should be denied	
PAS-7261	Plus button not aligned centered	
PAS-7260	Get API definition with no content leads to invisible error	
PAS-7259	Visibility view broken	
PAS-7204	Cannot save api definition without a url	
PAS-7199	My Plans page does not show the no-data component as non-admin	
PAS-7128	Cannot select more than entry in table	
PAS-7112	Text in new policy tiles is cut off	
PAS-7076	IP Allow/Deny: Wildcard validation is not working	
PAS-7072	Organization overview should not be grouped by organization itself	
PAS-6956	OpenAPI definition not scrollable	
PAS-6907	Filter does not work on My APIs/Clients/Plans/Orgs	
PAS-6614	Wrong panel rendered on locked policy	
PAS-6608	Locking a plan leads to 401	
PAS-6607	API marked as featured but not shown in Developer Portal	
PAS-6603	Translation is not working if German is selected	
PAS-6554	Autosave indicator is not shown when deleting an image from an API	
PAS-6377	Tiles in Visibility section of API go beyond boundaries	
Improvement	Description	Documentation Link
PAS-7465	Time-Restricted-Access-Policy: Allow configuration in local timezone	
PAS-7310	Better naming and representation for OpenAPI update and get	
PAS-7288	Replace icon for tooltip	
PAS-7270	Improve policy renderer readOnly view	
PAS-7268	Meaning of back and reset when adding new policy	
PAS-7266	Show confirmation dialog when deleting policy	
PAS-7264	Use same link text and rendering	

PAS-7229	No data "create new" should be disabled if the state is unregistered/locked/retired	
PAS-7223	Use BehaviourSubject to handle permissions	
PAS-7158	Show info panel that no content is available	
PAS-7127	Warn user when re-loading API definition	
PAS-7085	Caching resource policy should warn in POST method	
PAS-7084	Show information card for validation rules on IP allow and deny policy	
PAS-7083	Password should be made visible via option button	
PAS-7081	Validate status code via regex	
PAS-7078	Manual order of policy overview	
PAS-7042	Automatically add keycloak url to keycloak policy as default value	
PAS-6936	Policy View Styling	
PAS-6895	Cypress stability and cypress for new manager ui	
PAS-6724	Lazy load data based on visible viewport	
PAS-6707	Texts should not overlap the material cards and break before the icon	
PAS-6605	Provide meaningful error message when descriptor cannot be loaded	
PAS-6594	Add tooltip or help icon for payload inspection and key stripping	
PAS-6376	Sort roles in alphabetical order	
PAS-6152	Refactor autosave notifier	
PAS-5985	No permissions/error page	
PAS-4572	New policy renderer for our integrated policies	
New Feature	Description	Documentation Link
PAS-7388	Configuration view for Timeout Policy	
PAS-7387	Configuration view for API Key Policy	
PAS-7386	Configuration view for URL Rewriting Policy	
PAS-7385	Configuration view for Simple Header Policy	
PAS-7384	Configuration view for JSONP Policy	
PAS-7383	Configuration view for Time Restricted Access Policy	
PAS-7382	Configuration view for SOAP Authorization Policy	
PAS-7380	Configuration view for CORS Policy	
PAS-7086	Policy card should show state if already added	
PAS-6957	Add public OpenAPI location	
PAS-6899	Marketplace for policies	
PAS-6898	Policy wizard	
PAS-6745	Configuration view for Caching Resources Policy	
PAS-6743	Configuration view for Transfer Quota Policy	
PAS-6742	Configuration view for Rate Limit Policy	
PAS-6741	Configuration view for Keycloak OAuth Policy	

PAS-6740	Configuration view for IP Blocklist Policy	
PAS-6739	Configuration view for IP Allowlist Policy	
PAS-6738	Configuration view for Ignored Resources Policy	
PAS-6737	Configuration view for Basic Authentication Policy	
PAS-6736	Configuration view for Authorization Policy	
PAS-6236	Swagger Try It Out	
PAS-5725	Use live data in client entity	
PAS-5724	Use live data in api entity	

## Bridge 7.29.0



Contains xUML Runtime Version: [2023.4](#)  
 Contains Bridge API Version: 2.14.0  
 Contains Roles Version: 1.28

Bug	Description	Documentation Link
PAS-7716	Bridge License still talks about "Scheer E2E AG"	
Improvement	Description	Documentation Link
PAS-7432	xUML Runtime 2023.4	
PAS-7272	Update Tomcat to version 9.0.76	
PAS-7168	Update Tomcat to version 9.0.75	
PAS-6889	Update Tomcat to version 9.0.74	
PAS-6874	Update Java to version 17.0.7	
PAS-6791	Update Apache httpd to version 2.4.57	
PAS-6630	xUML Runtime 2023.3	

## Builder 8.1.0



Contains xUML Runtime Version: [2023.4](#)

Bug	Description	Documentation Link
PAS-7605	Unsupported protocols are selectable in URL alias	
PAS-7506	Library import results in Validation java.lang. NullPointerException	
PAS-7319	Comments from sub modules are not compiled in library interface	
PAS-7075	Designer doesn't show errors	
Improvement	Description	Documentation Link
PAS-7124	<<URLAdapter>> parameters streamSource / streamTarget should be representable as pin	
PAS-7032	<<SQLAdapter>> output container should be representable as pin	
PAS-6918	Use new asset-repository-service	



New Feature	Description	Documentation Link
PAS-7182	Compile data model descriptions (preparations)	
PAS-7175	Use the documentation for operations classes in libraries	
PAS-7069	S3 Adapter: Provide an option to skip IMDSv1 calls	
PAS-7012	Provide operation for dynamic sql statement execution	
PAS-7011	Add <<SQLAdapter>> related types and stereotypes to designer	
PAS-6980	Apache Kafka Listener Service	

## Designer Examples 23.1.1

New Feature	Description	Documentation Link
PAS-7389	Create example for calling a subprocess with role handling	
PAS-6576	Create an example for the S3/MinIO adapter	
PAS-4317	New example for quotes in FlatFile adapter	
PAS-105	New examples for action script	

## Designer 23.1.1



### Compatibility Hint

If you create an OpenAPI connector with attributes/parameter format=date or date-time, the Designer type will be DateTime. Before this fix it was String.  
If you re-create the OpenAPI connector, the type is changed from String to DateTime and you will get compile errors: Trying to assign type = 'Base\_Types::String' to <something> having the incompatible type 'Base\_Types::DateTime'. You need to migrate your model to the new types.



### Compatibility Hint

If you select an element in the diagram, you can now change the values in the attributes. This option is currently available for the following diagram elements: Activity diagram (Call Operation, Operation Pin), Mapping diagram (Input Parameter, Operation, Mapping Operation Pin), Execution diagram (Execution Step). We will support more elements in the future.

Bug	Description	Documentation Link
PAS-7781	Asset Drawer: Logos gone	
PAS-7767	Attribute for CSS class is ignored	
PAS-7757	Asset publishing: "Preparing" a publish seems not to work and the dialog is erroneous	
PAS-7741	Dialog headers in Explorer are broken	
PAS-7701	"Is static" only after refresh of Mapping Diagram	
PAS-7659	Problems setting big cookies	
PAS-7634	Service panel folders get collapsed when resetting panels	
PAS-7624	Service panel - Endless spinner and error when creating /deleting package	
PAS-7612	Can not call library operations	
PAS-7576	Expanding a call operation is very hard	

PAS-7568	If in or out parameter is selected before adding a sub-operation it is not created correctly	
PAS-7547	MongoDB example does not compile anymore	
PAS-7546	Styling of Select Stereotyp dialog	
PAS-7541	Errors during adding the suboperations	
PAS-7509	Cannot add REST operation to activity diagram	
PAS-7508	Adapt wording in UI related to asset repo	
PAS-7498	Publish asset wizard: Alignment and big white space	
PAS-7479	Maintainer email is not preset in the publish dialog	
PAS-7477	Replace description dialog component with the one from the platform-elements	
PAS-7467	Missing translations in upload component error	
PAS-7448	Missing elements in tree of publish dialog	
PAS-7430	File-Filter in library upload file-open dialog when replacing an existing version of a library misses .xlib	
PAS-7421	Dragging handle of documentation area breaks input field	
PAS-7411	Shared libraries can not be added to sandbox	
PAS-7398	Do not close publish dialog when clicking outside	
PAS-7390	Finish the CSS of publishing dialog	
PAS-7359	Do not delete read-only operation parameters	
PAS-7343	Libraries folder doesn't show libraries	
PAS-7286	Do not show asset button here	
PAS-7120	No generator pins on executions on pas-rc	
PAS-7048	Operation calls are not sent to compiler	
PAS-6565	Deployment Controls: Remove the permission check code	
PAS-5856	Fix OpenAPI format: date, date-time	
PAS-4353	Moving operations across classes leads to referencing diagrams becoming invalid	
<b>Improvement</b>	<b>Description</b>	<b>Documentation Link</b>
PAS-7649	Show confirmation dialog when removing parameter and pin	
PAS-7418	Remove unused deleted pins	
PAS-7410	Adjust the CSS for the publish dialog and drawer component like defined in the mockups	
PAS-7393	Use the generic publishing dialog	
PAS-7378	Remove package "Data Model" from library interface	
PAS-7372	Make it possible to provide meta information to library upload in administration	
PAS-7225	Allow operations to accept sub-operations	
PAS-7219	Update tree if deleting BPMN or form	
PAS-7191	Mapping: Delete parameter of operation if you delete the pin	
PAS-7079	Add the remove and change version option to the Service Tree Lib folder using the context menu	
PAS-7071	Add remove and change version option to asset repo drawer	

PAS-7062	Improve updating of the service tree when adding a form	
PAS-7031	Activity: Delete parameter of operation if you delete the pin	
PAS-6998	Further command groups optimization	
PAS-6974	Add Menu to open the asset publish dialog	
PAS-6973	Create a modal dialog for the publish wizard	
PAS-6970	Order list of stereotypes alphabetically	
PAS-6964	Better support simple types of OpenAPI	
PAS-6961	Show warning when operation pins are missing	
PAS-6938	Change the attributes of the referenced element in the attribute panel	
PAS-6917	Use new asset-repository-service	
PAS-6823	Improve the updateTree function	
PAS-6768	Logging service deprecation: Adapt getUrl call	
PAS-6710	Don't apply <<SAPParameters>> on operation parameters	
PAS-6177	Concept: Improve performance of the command groups update	
PAS-5832	Change plane event icon (toolbar)	
PAS-4831	Activity Diagram: Add create operation to toolbar	
PAS-4509	Execution diagram: Use referencedElementId on call operation	
PAS-4418	Change german labels for base class and implemented interfaces	
<b>New Feature</b>	<b>Description</b>	<b>Documentation Link</b>
PAS-7303	Reuse the tags and summary field of the last library version	
PAS-7280	Make the documentation file accessible from the Designer UI	
PAS-7278	Pass the asset meta when publishing an asset	
PAS-7276	Mapping the right data for the asset list to see tags, summary, logo etc	
PAS-7246	Trigger publish process from UI	
PAS-7203	Change names of call operations - Execution diagram	
PAS-7184	Maintain description and visibility of library elements	
PAS-7183	Create a list of the classes and operations for the description edit view	
PAS-7182	Compile data model descriptions (preparations)	
PAS-7181	Use the upload component in the publish dialog for attachments and logo	
PAS-7102	Component to select a namespace where to publish	
PAS-7099	Introduce a shared namespace to the library page in the admin view	
PAS-7070	Enable <<URLAdapter>> in the Designer	
PAS-6847	Make it possible to add library to designer from asset drawer	
PAS-6841	Create new module for asset repository components	
<b>Sub-task</b>	<b>Description</b>	<b>Documentation Link</b>

PAS-6842	Create a pas drawer	
PAS-6840	Create a ui component for the asset result list	

## asset-repository-service 23.1.1

Bug	Description	Documentation Link
PAS-7768	asset-repository-service   SendMail.xlib missing	
PAS-7667	Problem setting divergent asset name and version to libraries	
PAS-7585	Problem importing magic draw libraries to asset repository	
PAS-7524	Asset repository: CSS glitch in documentation	
PAS-7498	Publish asset wizard: Alignment and big white space	
PAS-7493	Asset repo: Documentation is downloaded instead of opened in a new tab	
PAS-7485	Platform default libraries are missing in deployment	
PAS-7445	Step jumps should not be allowed in all cases in publish dialog	
New Feature	Description	Documentation Link
PAS-7207	Create a html file for the documented parts of the library	
PAS-7180	Adjust the put and post API to include meta for assets	
PAS-7154	Use the GitTea API token from env variables	
PAS-7153	Check and create an organization if necessary before publishing to gitea	
PAS-7101	Offer delete endpoint in asset repository service	
PAS-7097	Create a shared namespace mechanism	

## fluentd 23.1.1

New Feature	Description	Documentation Link
PAS-6746	Store specific logs from xUML services in different index	

## portal-app 2.4.4

Bug	Description	Documentation Link
PAS-7597	Cannot fetch api descriptor	
PAS-7534	Administration panel for container deployed settings shortens displayed column values	
Improvement	Description	Documentation Link
PAS-7420	Use custom index pattern for xuml services	
PAS-6734	Use new service repository endpoint for logging information	
Task	Description	Documentation Link
PAS-6921	Fix Cypress test errors when running them on the testsystem	

## service-repository 6.5.2

Bug	Description	Documentation Link
PAS-7604	WSDL download leads to 404	
PAS-7513	service-repository and portal shows all workloads of the namespace	
PAS-6965	Change to service setting in administration not saved correctly	
Improvement	Description	Documentation Link
PAS-6992	Log timestamp with nanoseconds	
PAS-6872	Attach managed endpoint to deployed xuml service	
New Feature	Description	Documentation Link
PAS-7409	New sink for monitoring required	
PAS-6903	Create new handler(s) for updating and fetching config map(s)	
PAS-6747	Add new logging channel to xUML services	
PAS-6730	Transfer endpoint from logging-service to service-repository	

## xUML Runtime 2023.2

Improvement	Description	Documentation Link
PAS-6485	Update librdkafka to 2.0.2 and modern-cpp-kafka to 2023.03.07	
PAS-6325	Update zlib to 1.2.13	
PAS-6324	Update Xerces to 3.2.4	
PAS-6322	Update SQLite to 3.41.0	
PAS-6321	Update SAP NWRFCSDK to 7.50.11	
PAS-6320	Update OpenLDAP to 2.5.14	
PAS-6319	Update nghttp2 to 1.52.0	
PAS-6318	Update nlohman/json to 3.11.2	
PAS-6317	Update MongoDB drivers to 1.23.2 (C), and 3.7.0 (C++)	
PAS-6316	Update MIT Kerberos to 1.20.1	
PAS-6315	Update libSSH2 to current master + pr802	
PAS-6314	Update libarchive to 3.6.2	
PAS-6313	Update ICU to 72	
PAS-6311	Update fmt to 9.1.0	
PAS-6310	Update Boost to 1.81.0	
PAS-6073	Update OpenSSL to 3.0.8	
PAS-4854	Update SQLAPI to 5.2.3 + patches	
PAS-4240	Update curl to 7.88.1	

## xUML Runtime 2023.3



### Compatibility Hint

The exception codes/domains for the S3 Adapter have been adjusted to follow the same rules the other components use. Updating the models may be necessary.

Bug	Description	Documentation Link
PAS-6837	Unacceptable performance of network requests	
PAS-6514	AliasReader: invalid options read if connection string contains consecutive spaces	
Improvement	Description	Documentation Link
PAS-6811	S3 Adapter: use correct error domains (AWSS3LM /AWSS3SM)	

## xUML Runtime 2023.4

Bug	Description	Documentation Link
PAS-7217	ctrlapi: Sorting does not work for "/api/pstate/queryObjects"	
Improvement	Description	Documentation Link
PAS-6939	Support logging of timestamps with nanoseconds	
PAS-5302	PersistentState: Make sure to explain why a search query cannot be generated	
New Feature	Description	Documentation Link
PAS-6701	S3 Adapter: Provide an option to skip IMDSv1 calls	
PAS-261	Validate logger configuration using JSON Schema	

## xuml-management-ui 1.7.6

Bug	Description	Documentation Link
PAS-7534	Administration panel for container deployed settings shortens displayed column values	
PAS-6987	Fix typo in confirmation dialog	
Improvement	Description	Documentation Link
PAS-6516	Show also external persistent state properties	

## xuml-monitoring-service 1.1.2

Bug	Description	Documentation Link
PAS-7743	Invalid email subject on monitoring-service	
PAS-7610	Email send not working when monitoring xuml services	
New Feature	Description	Documentation Link

PAS-5782	Provide WebAPI for receiving error data	
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## xuml-monitoring-ui 1.0.3

Bug	Description	Documentation Link
PAS-7744	Error group and notification downtimes not working	

## xuml-tool 1.5.0

New Feature	Description	Documentation Link
PAS-6792	Validation of DataItems	
PAS-6636	Add CLI option `--create-directories` for `unpack`, `deploy` and `run` commands	
PAS-6623	Provide `show-addons` command	
Improvement	Description	Documentation Link
PAS-6599	Using bridge-deployed repository	
PAS-6356	Using already-deployed repository	
PAS-6355	Support global variables	


## PAS 23.1.0.7 (09.08.2023)

### Bridge 7.29.0

 Contains xUML Runtime Version: [2023.4](#)  
Contains Bridge API Version: 2.14.0  
Contains Roles Version: 1.28

Bug	Description	Documentation Link
PAS-7716	Bridge License still talks about "Scheer E2E AG"	
Improvement	Description	Documentation Link
PAS-7432	xUML Runtime 2023.4	
PAS-7272	Update Tomcat to version 9.0.76	
PAS-7168	Update Tomcat to version 9.0.75	
PAS-6889	Update Tomcat to version 9.0.74	
PAS-6874	Update Java to version 17.0.7	
PAS-6791	Update Apache httpd to version 2.4.57	
PAS-6630	xUML Runtime 2023.3	

### Builder 8.0.4

 Contains xUML Runtime Version: [2023.4](#)

Bug	Description	Documentation Link
PAS-7626	Init in image element does not work	
PAS-7506	Library import results in Validation java.lang.NullPointerException	
PAS-6989	java.lang.NullPointerException after each xUML Library update	
PAS-6819	Missing types for global operations / utility functions	
Improvement	Description	Documentation Link
PAS-6180	Treat compiler standard-libraries as depend modules for type lookup	

## Designer 23.1.0.7

Bug	Description	Documentation Link
PAS-7723	Fix slow service panel tree (introduced 23.1)	
PAS-7532	Execution diagram is closing automatically	
PAS-7361	Slow filter in service panel	
PAS-7357	Pas-Data-Table Type boolean no checkbox shown	
PAS-7329	Operation tab doesn't update name after change	
PAS-7320	Self doesn't change after moving operation	
PAS-7249	Bad performance of editing models in the Designer	
PAS-7247	Unknown type that can't be removed in mapping diagram	
PAS-7224	Activity diagram: Operations with parameter(s) can no longer be dragged to the diagram	
PAS-7221	Folder export does not work	
PAS-7209	Activity diagram: Creating parameters via the arrow icons in the digram does not work (properly)	
PAS-7206	Event Trigger doesn't work with Events from DevKit	
PAS-7197	Remove implementation doesn't work	
PAS-7170	Unknown couldn't be removed	
PAS-7150	Unknown type of the known type	
PAS-7118	Wrong translation for "Rename" when renaming folder	
PAS-7059	Can't export designer service	
PAS-7033	Compile error missing if no MongoDB alias is selected	
PAS-6963	MongoDB operation "find" cannot be used inside of activity diagrams	
PAS-6960	Changing attributes in the tree doesn't affect the instance before reloading	
PAS-6959	Icon to open form directly from Attributes panel is gone	
PAS-6955	Service details: Description editor is not working any more	
PAS-6924	Nodes in explorer and service panel doesn't expand	
PAS-6880	Container Deployment: Status is not updated	
PAS-6844	Can not create API with old name	



PAS-6830	Compiled library doesn't have exposed included class	
PAS-6817	After deletion of whole folder content wrong icon is displayed	
PAS-6727	Class is deleted when I deleted property of that class type	
PAS-6280	Opening test API with two BPMNs	
PAS-6063	Error message in control panel despite xuml_container_admin permission	
PAS-5731	Login causes invalid redirection	
PAS-4101	Empty activity diagram	
PAS-3842	Cannot delete library although it is not used	
<b>Improvement</b>	<b>Description</b>	<b>Documentation Link</b>
PAS-7366	Add missing properties to descriptor to improve performance	
PAS-7240	Changed Angular app must invalidate Browser cache	

## messaging-service 4.1.1

Bug	Description	Documentation Link
PAS-7796	Error in messaging service logs that are crashing the service	

## PAS 23.1.0.6 (20.07.2023)

### Builder 8.0.3



Contains xUML Runtime Version: [2023.1](#)

Bug	Description	Documentation Link
PAS-7611	Widget label property for translations not correct	

## PAS 23.1.0.5 (13.06.2023)

### Designer 23.1.0.5

Bug	Description	Documentation Link
PAS-7253	Input/Output/Return parameters that are added to an Activity Diagram not showing up in the diagram itself.	

## PAS 23.1.0.4 (16.05.2023)

### Designer 23.1.0.4



#### Compatibility Hint

To fix the problem with the changed order of library parameters, you need to generate a fixed version of the library by exporting it once again.

Bug	Description	Documentation Link
PAS-7063	Designer compiler orders operation parameters alphabetically, which leads to "operation not found" in referencing diagrams	

## opensearch 1.1.6

Bug	Description	Documentation Link
PAS-7074	Harden OpenSearch transport TLS settings	
Improvement	Description	Documentation Link
PAS-6805	Remove "Select your tenant" dialog in OpenSearch Dashboard	

## opensearch-dashboards 1.1.3

Bug	Description	Documentation Link
PAS-7074	Harden OpenSearch transport TLS settings	
Improvement	Description	Documentation Link
PAS-6805	Remove "Select your tenant" dialog in OpenSearch Dashboard	

## PAS 23.1.0.3 (12.05.2023)

### API Gateway 23.1.0.3

Bug	Description	Documentation Link
PAS-7058	Gateway returns 431 on testing internal APIs	

### Builder 8.0.2



Contains xUML Runtime Version: [2023.1](#)

Bug	Description	Documentation Link
PAS-6796	Dev Containers not deleted on pas-stable	
PAS-5523	Remove attribute "namespace" from stereotype "REST Port"	

### Designer LTS 23.1.0.3

Bug	Description	Documentation Link
PAS-6969	Cannot export support data	
PAS-6885	Use container name instead of service name for endpoints	
PAS-6860	Wrong info message on change of service name	
PAS-6821	"Label" edit in column configuration dialog of data table is too small	
PAS-6764	In executions, "invalid" operation calls are silently ignored	
PAS-6480	MongoDB error while migrating (from old version)	
PAS-6005	Sticky library, cannot remove old library definition	
PAS-5420	Jump to validation errors if service details are displayed	

## postgres-init 1.2.0

Bug	Description	Documentation Link
PAS-7014	Apiman Migration did not work from 22.2.1 to 23.1	

## service-repository 23.1.0.3

Bug	Description	Documentation Link
PAS-6965	Change to service setting in administration not saved correctly	

## xuml-library-repository-service 23.1.0.3

Bug	Description	Documentation Link
PAS-7003	Correct documentation of SendMail library	

## PAS 23.1.0.2 (26.04.2023)

### Designer 23.1.0.2



#### Compatibility Hint

If you get errors like VALXUML Attribute '@name' on element 'attributes' has not a whitespace-less value or if you have unknown types in diagrams related to SAP, you need to create your SAP connector again. With this release we fixed a bug where internal identifiers of SAP connector classes were not unique.

Bug	Description	Documentation Link
PAS-6913	Unknown type in output property with literal even after migration	
PAS-6904	Fix ids of SAP connector	

PAS-6875	Fix properties that reference a base type	
PAS-6865	Expanding the nodes doesn't work all the time	
PAS-6863	JSON Adapter Example: Validation error "Trying to assign Literal..."	
PAS-6849	Buttons in forms are displayed incorrectly	
PAS-6825	REST operations in activity diagrams have "Unknown Parameter"	
PAS-6537	Open Search Logs of Dev Containers wrong	

## PAS 23.1.0.1 (21.04.2023)

### Compiler 23.1.0.1

Bug	Description	Documentation Link
PAS-5572	Operations that get data only from literals are ignored by the compiler.	

### Designer 23.1.0.1

New Feature	Description	Documentation Link
PAS-6909	Add profile migration for projectId adjustments	
Bug	Description	Documentation Link
PAS-6881	Test environment: Get /ui 404	
PAS-6854	Operation parameter deleted and pin still in use, diagram becomes corrupt	
PAS-6852	Error in console log when creating data model elements	
PAS-6814	Unknown types after export/import of service	
PAS-6802	Restoration of backup failed	
PAS-6765	Label element editor: Layout out of place	
PAS-6759	Message for updating is not shown the whole time	
PAS-6757	Translations missing for some aliases on pas-doc	
PAS-6756	Potentially corrupt project data after import and change	
PAS-6749	Development container not created for examples/imported services	<a href="#">Working with the Test Environment</a>
PAS-6714	Clicking on open application should trigger a dev stack build	<ul style="list-style-type: none"> <li><a href="#">Working with the Test Environment</a></li> <li><a href="#">Controls Panel</a></li> </ul>
PAS-6711	Folder export of forms doesnt work	<a href="#">Service Panel &gt; Exporting and Importing</a>
PAS-6699	Reset panels not working	
PAS-6691	Missing translation in reports	

PAS-6657	Unnecessary tree scrolling when adding/deleting objects in the tree	
PAS-6616	Validation error is not a link	
PAS-6538	Nodes in service-panel and explorer won't expand while importing + copying/pasting	
PAS-6493	Error when re-ordering parameters	
PAS-6491	Error log when creating data model elements	
PAS-6370	Service panel tree not updating after deleting an API element	
PAS-6274	Open Test API Button works incorrectly	
PAS-6024	Designer should assume roles is empty if user.roles is not existent	
PAS-5904	Library class derived from connector class does not expose connector properties	
PAS-5895	Adding an operation through cog-wheel icon always defaults to mapping diagram	
PAS-5517	Alignment of object nodes with pins does not work anymore	
PAS-5443	Attribute Type: undefined.Select	
PAS-5437	Different APIs may have the same name	
PAS-3173	Keyboard shortcuts do not work in "Process" folder	

## PAS 23.1 (03.04.2023)

### API Developer Portal 1.3.4

Bug	Description	Documentation Link
PAS-6378	My Clients page crashes if the policy requests return a 403	
PAS-6303	Policy Probes do not work anymore	
PAS-6282	Link in approval Email during API sign-up points to localhost instead of API page in API Management	
PAS-5051	Scroll into view does not work anymore on page (re-)load	
PAS-5027	Creating a new client in wizard should be preselected after operations succeeds	
PAS-5024	Open a URL you are not allowed to breaks rendering	

### API Management 8.5.0

Bug	Description	Documentation Link
PAS-6646	CVE-2023-28640	
PAS-6397	API Registry JSON request is missing a permission check	

PAS-6330	Catalog import not working in Kubernetes setup	
PAS-6329	IP range validation broken	
PAS-6303	Policy Probes do not work anymore	
PAS-6284	Breaking multiple contracts from clients contract page results in "unexpected Server Error"	
PAS-6243	New API Icons not correctly applied in API Developer Portal	
PAS-5819	Setup API Management from scratch does not work	
PAS-5737	[Manager UI] Unable to display more than 10 contracts from a given api	
PAS-5717	CVE-2022-47551	
<b>Task</b>	<b>Description</b>	<b>Documentation Link</b>
PAS-6168	Adapt API Management UI Keys	

## API Management UI 0.1.0

Bug	Description	Documentation Link
PAS-6612	Link should point directly to known location in developer portal	
PAS-6610	Contracts page not refreshing when re-selecting API version	
PAS-6604	Provide organization name when adding new API in wizard	
PAS-6443	Wizard: Cannot create new organization	
PAS-6387	Wrong link for Markdown in Useful information	
PAS-6386	User with "Organization-User-Manager" Role cannot open org details page	
PAS-6375	Cannot open organization details in list view	
PAS-6297	Link to external UIs should open in a new browser tab	
PAS-6239	Margin in plan view should equal to API view	
PAS-6237	Links should jump to corresponding entry	
PAS-6235	Remove try out link	
PAS-6233	Home link does not mark "MyAPIs" active	
PAS-6210	entity-list with input list does not load correctly	
PAS-6203	Missing search and filter in my organizations	
PAS-6200	Entity Card align icon with title	
PAS-6192	Wizard: Reset in last clone step fires request	
PAS-6190	Wrong additional info when API is set to public	
PAS-6187	Path must not be relative in contracts table	
PAS-6186	Definition Type and URL is missing after update	
PAS-6161	Navigating away from wizard during clone breaks workflow	
PAS-6150	Redirect to wizard does not let you create an entity	

PAS-6131	Correct version count in table count	
PAS-6117	Add no data component on my-entity pages	
PAS-6104	Fab menu should auto close	
PAS-6081	Wizard: Async validator causes problems with disabled button	
PAS-6080	Edit of description does not work on clients/orgs/plans	
PAS-6065	Fix problems with baseUrl	
PAS-6029	Delete Org Button is missing	
PAS-6023	Image 404 is not handled correctly	
PAS-6013	Filter does not remove org h1	
PAS-5995	Check MIME type	
PAS-5953	Check docker build for new API Management UI	
PAS-5751	API Management UI: Contracts table does not refresh after contract deletion	
PAS-5741	Fix "ERROR Error: NG0100: ExpressionChangedAfterItHasBeenCheckedError: Expression has changed after it was checked." on card-menu	
PAS-5738	Wizard should link to correct details page after creation	
PAS-5087	API Version with the name "fünf" throws error	
New Feature	Description	Documentation Link
PAS-5866	Provide German Translation	
PAS-5735	Provide markdown editor	
PAS-5734	Provide swagger editor	
PAS-5732	Description for visibility	
PAS-5730	Mark input fields as read only in available plans view	
PAS-5729	Show no plans configured when API in creation state	
PAS-5727	Table view option should be persisted	
PAS-5726	Use live data in organization entity	
PAS-5722	Client overview page	
PAS-5721	Organization overview page	
PAS-5574	Print warning for existing contract when detaching plan from API	
PAS-5153	Create new unified icons for API Developer Portal and Manager UI	
PAS-4733	apiadmin users must be able to operate on all orgs data	
PAS-4577	Support i18n in new Manager UI right out of the box	
PAS-4432	Icon Set for API Management	
PAS-3914	A client contract should be terminable at any time	
Improvement	Description	Documentation Link
PAS-6238	Remove filter icon when not needed	
PAS-6232	Print info that user is currently using the alpha version	
PAS-6205	Copy apikey and URL from contracts table	
PAS-6189	Copy to clipboard from specific properties	

PAS-6185	fix API image upload dialog	
PAS-6184	Error handling 'Load API Definition'	
PAS-6165	Collection ticket for observations in new API Management UI	
PAS-6162	Refactor entity-lists to show only entities with explicit permissions	
PAS-6159	Show text area for WSDL	
PAS-6153	API Settings URL Input should validate input	
PAS-6134	reset public visibility to default if API is set to private	
PAS-6102	add organization indicator for API / client / plan	
PAS-6090	Add live data to organization entity card	
PAS-6083	Little fixes on org page	
PAS-6066	Improve entity update in onChange methods of entities	
PAS-6008	Permissions check on description changes or image upload	
PAS-6000	Organization overview - plan section	
PAS-5993	Switch view for public APIs	
PAS-5951	Improve spinner behaviour when loading an API definition	
PAS-5851	Disable buttons instead of hiding if the user does not have the correct permissions	
PAS-5844	Member search in organizations only possible via login ID, user name would be more helpful.	
PAS-5838	Change icon for public / private API	
PAS-5739	Wizard: Add error snackbar if entity could not be created	
PAS-5728	Adapt css guidelines for entire application	
PAS-5723	Update ngx permissions for apiadmin profile	
PAS-5709	API Icon Image Upload	
PAS-5708	Active Help: What do I need to publish?	
PAS-5706	Add config.json file for easy configuration and docker deployment	
PAS-5705	"Saved" Indicator like O365 changes	
PAS-4580	Better support on creating and editing API	
PAS-4571	Warn user when retiring/deleting an API or existing client contracts	

## Bridge 7.26.0



Contains xUML Runtime Version: [2022.12](#)  
 Contains Bridge API Version: 2.14.0  
 Contains Roles Version: 1.28

Improvement	Description	Documentation Link
PAS-6393	Update Apache httpd to version 2.4.56	
PAS-6301	Update Tomcat to version 9.0.73	
PAS-6167	Wrong date format prepopulated in Bridge log viewer	
PAS-6035	Support SAP adapter encrypted communication	
PAS-5876	Update Java to version 17.0.6	



## Bridge 7.27.0



Contains xUML Runtime Version: [2023.1](#)  
Contains Bridge API Version: 2.14.0  
Contains Roles Version: 1.28

Improvement	Description	Documentation Link
PAS-6513	Make sapgenpse executable	
PAS-6509	xUML Runtime 2023.1	
Bug	Description	Documentation Link
PAS-6508	User should be able to control a service without new deployment after a shutdown	

## Compiler 23.1



### Compatibility Hint

If you replace an existing library with the same version as a newly uploaded one, you won't see the new library in the Service panel tree unless you reload the Designer or unselect and then re-select the library usage. You do not need to clear the compiler cache anymore.

Improvement	Description	Documentation Link
PAS-6683	Pass environment variable for the xUML service through the compiler	
PAS-6586	Reorder operations of SecurityService	
PAS-6562	Upload of Designer library with same version	
PAS-6512	Support S3 adapter	<a href="#">S3 Adapter</a>
PAS-6502	Do a full build when creating the devstack build	
PAS-6219	Make it possible to extend the generated npmrc file with custom token through environment variables	
PAS-6193	Check if npm install needs to be done each time	
PAS-6125	Unique names of dev container services	
PAS-6123	Send keycloak uri env variable to dev stack	
PAS-6110	Do not build the repository until deploy or export is requested	
PAS-6109	Do not send the angular build to the xUML dev container	
PAS-6019	Compiler needs to send the dev stack data as validation response	
PAS-5847	Refactor the angular dev container to use the new service template	
PAS-5845	Adjust compiler cache limit	
PAS-5778	Recreate dev container when API ports are changed	
PAS-5388	Add defaultConfiguration to angular.js	
PAS-5305	Escape " in string literals	
PAS-4233	Compiler should target new service-repository	

Bug	Description	Documentation Link
PAS-6635	ProCode development against dev container not possible	
PAS-6435	Wrong setting names generated	
PAS-6415	Indexing an array in a transformation flow into a built-in operation block throws an error	
PAS-6395	Missing logs for dev stack containers	
PAS-6142	Wrong base path generated for xUML rest services	
PAS-5765	On container deployment service can not be accessed from localhost angular app	
PAS-5652	SAP IDoc record composer type missing	
PAS-5007	for_each has no incoming control flow	
New Feature	Description	Documentation Link
PAS-6111	S3 storage adapter	<a href="#">S3 Adapter</a>
PAS-5545	Compiler needs to send the repository to the xUML dev container	<a href="#">Validating and Testing a Service</a>

## Designer 23.1



### Compatibility Hint

If you replace an existing library with the same version as a newly uploaded one, you won't see the new library in the Service panel tree unless you reload the Designer or unselect and then re-select the library usage. You do not need to clear the compiler cache anymore.



### Compatibility Hint

The export of folders in the Explorer is back.

Bug	Description	Documentation Link
PAS-6731	Compiler error: argument pin is not input of the called component	
PAS-6728	No "open" icon for the activities in activity diagram	
PAS-6682	Cannot start attached service as a container	<a href="#">Deployment as Container</a>
PAS-6579	S3 adapter: Stereotype name not resolved	<a href="#">S3 Adapter</a>
PAS-6557	Dev stack is shown as offline although it can be reached	<a href="#">Working with the Test Environment</a>
PAS-6556	Problem accessing dev stack application	<a href="#">Working with the Test Environment</a>
PAS-6540	SAP connector data model incorrectly sent to compiler	<a href="#">Creating an SAP RFC Connector</a>
PAS-6515	Layout of time fields and save button in datepicker are incorrect	<a href="#">Date Picker</a>
PAS-6507	Blob responses not imported correctly to OpenAPI connector	<a href="#">Creating an OpenAPI Connector</a>

PAS-6501	Created Connector only shown in Tree after Browser Refresh	<a href="#">Connectors</a>
PAS-6497	SAP Operation can't be used when multiple connectors are created	
PAS-6474	Admin icon opens Bridge instead of Administration	<a href="#">Using the Deployment Controls</a>
PAS-6472	Spelling OpenAPI and SAP RFC	
PAS-6471	Search panel broken	<a href="#">Search Panel</a>
PAS-6417	Service Details: Adjust tooltips to the selected deployment target	<a href="#">Editing the Deployment Properties</a>
PAS-6413	Infinite loading when too much explorer items in one namespace	
PAS-6372	Can not expand complex mapping types	
PAS-6365	Instance list forms of exported service get duplicated after service import	
PAS-6349	Project Data may be corrupt	
PAS-6347	Restoring big backups fails due to filestream error	
PAS-6339	Cant open application on Kubernetes	
PAS-6331	Remove Service Properties and Preview from submenu	
PAS-6306	CSS list in apply css dialog is not visible	
PAS-6281	Log analyzer filter not correct	
PAS-6267	Layout of drop-downs in different dialogs not correct	
PAS-6228	Compiler generated apps in Kubernetes must run without authenticator-service (403)	
PAS-6217	Fix icon size in controls panel	<a href="#">Controls Panel</a>
PAS-6194	Post request is not triggered in forms on execution	
PAS-6163	Old values in service tree	<a href="#">Service Panel</a>
PAS-6155	Validation error in empty BPMN task	<a href="#">Validation Panel</a>
PAS-6139	Cannot change the type	
PAS-6105	Action script code completion bugs	<a href="#">Using Action Script</a>
PAS-6084	Cannot import processes or forms	<ul style="list-style-type: none"> <li>• <a href="#">Service Panel</a></li> <li>• <a href="#">Service Panel &gt; Exporting and Importing</a></li> </ul>
PAS-6068	Compiler cache gets confused by random UUIDs	
PAS-6032	Designer: Error messages in console (user-service-nestJS)	
PAS-6011	User preferences language change doesn't work	<a href="#">Setting the User Preferences</a>
PAS-6006	Nodes in service-panel and explorer won't expand	<a href="#">Service Panel</a>
PAS-5997	User preferences: Change password is empty	<a href="#">Setting the User Preferences</a>
PAS-5996	User data no longer displayed in the header	
PAS-5991	Form list in user task spammed with instance lists	
PAS-5970	Explorer loads infinitely	
PAS-5967	Use translated stereotype names in dialogs	

PAS-5943	Broken form content after update to 22.2.1	
PAS-5934	Fix wrong imports of the pas-designer-library	
PAS-5902	Not possible to feed literal values to boolean input pins	
PAS-5877	Service Panel context menu is overlapped by Browser context menu	
PAS-5874	Can't open implementation from nested operations in activity diagram	
PAS-5859	Designer complains on requestOptions param not known on connector operation	
PAS-5817	Designer does not connect to Swagger UI during container deployment	
PAS-5787	Prevent showing anything other than supported operation on first step after uploading yaml file to connector	
PAS-5776	Unknown parameter error on providing requestOptions for REST adapter	<a href="#">REST Adapter</a>
PAS-5773	Export of big project takes longer with the new release	<a href="#">Service Panel &gt; Exporting and Importing</a>
PAS-5755	Correct OpenAPI port number	
PAS-5703	Clicking on tree element after search does not focus it and clear the search	<a href="#">Service Panel</a>
PAS-5697	Assigning pro code form to user task and then assigning trigger event does not work	
PAS-5671	Service Panel: Documentation is no longer available when hovering over an added library	<a href="#">Service Panel</a>
PAS-5615	Cannot undo delete of elements in form	
PAS-5607	Mapping diagram: Wrong behavior when entering float values into a literal	
PAS-5601	Designer Empty Panels	
PAS-5573	CSS list in select css dialog is only visible after click on empty space	
PAS-5466	Activity Diagram: self parameter pins are always displayed as erroneous	<a href="#">Modeling Activities</a>
PAS-4942	Remove <<Library Class>> does not change the icon	
<b>Improvement</b>	<b>Description</b>	<b>Documentation Link</b>
PAS-6562	Upload of Designer library with same version	
PAS-6479	Improve very long-lasting migration	
PAS-6473	Add unit tests for SAP connector	
PAS-6470	SAP RFC connector cant be created via right click	<a href="#">Creating an SAP RFC Connector</a>
PAS-6432	Check SAP connection availability	
PAS-6406	Service Details: Adjust the font size of "Aliases"	<a href="#">Managing the Service Details</a>
PAS-6384	Adjust the development controls panel like described in the mockups	<a href="#">Controls Panel</a>
PAS-6383	Call the service repository to get the information if a dev stack for a project is available	
PAS-6195	Reorder buttons for deployment in the service property page	<a href="#">Managing the Service Details</a>

PAS-6175	Performance improvement: updateRelatedActivityModels	
PAS-6128	Designer send profileId and projectId to compiler	
PAS-6094	Add export of folder to the explorer	
PAS-6018	Designer-service needs to check if the container URLs changed	
PAS-5925	Remove validation warnings generated by pas-designer-service	
PAS-5865	Filter for yaml and json files	
PAS-5785	Log the angular ng serve stream to elasticsearch	
PAS-5784	Show icon for service logs in the controls panel	<a href="#">Controls Panel</a>
PAS-5647	Do not directly validate and create a container, find a criteria when to start a dev container	
PAS-5582	Adjust the proxy in the pas-designer-service to use the full name of the container provided by the compiler	
PAS-5020	Rework all examples to show the guard expressions	
PAS-4719	Remove the expandable arrow for stereotypes without properties	
New Feature	Description	Documentation Link
PAS-6076	Default libraries (SendMail 1.0.0)	
PAS-5946	SAP connector - parsing response from RESTifier	<a href="#">Creating an SAP RFC Connector</a>
PAS-5543	Provide the xUML dev container through the designer service proxy	
PAS-5542	Use submenu to show entries for the dev container logs	
PAS-5540	Create an image with the runtime and nestjs service in it	
PAS-5539	Create xUML Dev container service	<a href="#">Validating and Testing a Service</a>
Task	Description	Documentation Link
PAS-5514	Set container deployment as default in config	<a href="#">Deployment as Container</a>

## analytics-collector-service-23.1

Bug	Description	Documentation Link
PAS-6345	Wrong host filtering for collecting logs	

## angular-dev-container-service 23.1

Bug	Description	Documentation Link
PAS-6286	Rename image labels for dev stack	
Improvement	Description	Documentation Link
PAS-6129	Use environment to create the services names	
PAS-5580	Rename the existing xUML development service to angular development service	

## file-storage 5.1.0

Bug	Description	Documentation Link
PAS-6343	File Manager requests old file-storage for namespaces	
PAS-6222	Swagger servers in nestjs services are wrong	
PAS-5716	Error fetching file stat from old file storage	
Improvement	Description	Documentation Link
PAS-6092	Add namespaces for mailer and reporting service to file-storage config	<a href="#">Managing Files</a>
PAS-6078	Enable file-storage cdn route to fetch all files with one API-call	
New Feature	Description	Documentation Link
PAS-5968	Improve file storage downloadFiles-call with etag for enabling client caching	
PAS-5472	Pipe old data when accessing new file-storage	

## mailer-service 3.0.0

Bug	Description	Documentation Link
PAS-6364	401 for /logging route	
PAS-6191	Swagger servers in nestjs services are wrong	
PAS-5935	Environments for the mailer-service-nestjs service	
Improvement	Description	Documentation Link
PAS-6229	Default template should be very basic	
New Feature	Description	Documentation Link
PAS-5898	Extend mailer-service-nestjs v1 with additional features	
PAS-5623	Migrate mailer-service to nestJS	

## mqtt-connector-service 1.1.0

Improvement	Description	Documentation Link
PAS-5799	Create tests for mqtt-connector	

## one-docker 23.1

Improvement	Description	Documentation Link
PAS-5975	Include global setting variables in Bridge image	

## opcua-connector-service 1.3.0

Improvement	Description	Documentation Link
PAS-6530	Improve reconnection handling	

## portal-app 2.3.0

Bug	Description	Documentation Link
PAS-6525	Portal only shows 1 replica, when HPA starts another.	
PAS-6403	Wrong logging URL generated and requested	
PAS-6394	Strange UI behaviour in details page (workload status and control actions)	
PAS-6389	Kibana redirection link not visible in logs panel for pas-services (cluster)	
PAS-6369	Curly braces around translations	
PAS-6368	Info icon useless in Kubernetes UI	
PAS-6300	Quick action state wrong for Kubernetes nest-js services	
PAS-5553	pas-designer-service-worker logs can not be accessed in openSearch	
PAS-5480	Duplicate menu entries in detail view	
PAS-3594	Portal doesn't run properly if lb is added and you use the host name	
Improvement	Description	Documentation Link
PAS-6296	Change KeycloakHelperService onLoad property to 'login-required'	
PAS-6208	Try out API Manager UI button must be left aligned	
PAS-5668	Update Portal and sub-modules to new user service nest routes and models	
PAS-5570	Update app-themes dependency	
PAS-5530	Show file name on confirm delete dialog	
PAS-5516	Merge file manager module into Portal project	
PAS-5340	Extend search so type gets reflected too and add table sorting, use platform elements filter	
PAS-5197	Portal and Administration must be single project	
New Feature	Description	Documentation Link
PAS-6097	Add try out link for new API Management UI	
PAS-5202	Extend Portal Cypress tests	
PAS-5045	Add sorting capabilities to columns	

## reporting-service 3.1.0

Improvement	Description	Documentation Link
PAS-5745	PDF creation should be done in a single step	
PAS-5743	Provide alternatively direct file stream when creating documents	
PAS-3860	Turn the reporting-service into a nest.js service	

## sap-connector-service 1.0.0

Improvement	Description	Documentation Link
PAS-6164	Missing information about Export type	

## service-repository 6.3.0

New Feature	Description	Documentation Link
PAS-6662	Limit amount of available dev-stack instances	
PAS-4968	Add fluent sidecar container to xUML workload	
PAS-4917	Add new head request for checking xUML service exists	
Bug	Description	Documentation Link
PAS-6546	Cannot open details page on rc for pas-services	
PAS-6525	Portal only shows 1 replica, when HPA starts another.	
PAS-6523	Env being parsed wrong	
PAS-6412	Endless pending /image request   pod not deployed	
PAS-6381	Updating settings fails	
PAS-6374	Missing base image label	
PAS-6305	platform name in platformSettings of deployed xUML Services is wrong	
PAS-6226	Custom labels in dev stack differs from docker and Kubernetes	
PAS-6225	Updating deployed xUML service not working	
PAS-6223	Swagger servers in nestjs services are wrong	
PAS-6143	Cannot restart services: Err 500	
Task	Description	Documentation Link
PAS-6434	Update default xUML license	
Improvement	Description	Documentation Link
PAS-6391	Make restart policy for xUML services configurable	
PAS-6052	Service-Repository should provide Owner ID during xUML-deployment	
PAS-5603	Add prefix for docker registry for customer builds	
PAS-5006	Update core version to latest	
PAS-4446	Relocate location for creating xUML dev container	
PAS-3920	Enhance OpenAPI descriptor	

## user-service 7.1.0

Bug	Description	Documentation Link
PAS-6224	Swagger servers in nestjs services are wrong	
PAS-6197	Add Response DTO types to ApiResponse annotation	



PAS-5713	Wrong Error when MongoDB connection is lost   Add MongoDb HealthCheck	
Improvement	Description	Documentation Link
PAS-5746	Adjust user service logger to updated LoggerModule-API	
PAS-5058	Provide a more meaningful API structure	
New Feature	Description	Documentation Link
PAS-5474	Create new endpoint for checking set of accessible namespaces	
PAS-5057	New API call for fetching application based user extension	

## xUML Runtime 2023.1

Improvement	Description	Documentation Link
PAS-6047	Support forcing PS owner ID	
PAS-6034	Support SAP adapter encrypted communication	
Bug	Description	Documentation Link
PAS-5760	(extended)JSON Compose: missing protection against cyclic data items leads to crashes	
PAS-5704	Any type data lost from one step to the next step in persistent state	
PAS-5462	Alias Reader fails on MongoDB Alias	
New Feature	Description	Documentation Link
PAS-5256	S3 storage adapter	

## xuml-dev-container-service 23.1

Bug	Description	Documentation Link
PAS-6286	Rename image labels for dev stack	
PAS-6003	Missing httpClient module to contact logger service	
Improvement	Description	Documentation Link
PAS-6129	Use environment to create the services names	
New Feature	Description	Documentation Link
PAS-5541	Put event should restart the xUML runtime in the service	

## xuml-library-repoistory-service 4.2.0

New Feature	Description	Documentation Link
PAS-6076	Default libraries (SendMail 1.0.0)	

## xuml-management-ui 1.6.4

Bug	Description	Documentation Link
PAS-6484	Disable setting for memory limits	
PAS-6266	Render pstate not available instead of 404	
PAS-5893	Restart of container after changing configuration does not start listener on service port	
New Feature	Description	Documentation Link
PAS-5569	Add register API link for given set of xUML endpoints	
Improvement	Description	Documentation Link
PAS-5487	Remove some properties in xUML overview page	

## xuml-tool 1.4.0

Bug	Description	Documentation Link
PAS-6136	Size of docker container up to 150GB after 8 days	
New Feature	Description	Documentation Link
PAS-6048	Support querying & deploying on windows	
Improvement	Description	Documentation Link
PAS-6037	Support environment variable for persistent state owner-ID	