

PAS 22.1 Release Notes

PAS 22.1.2 (03.08.2022)



Compatibility Hints

This release comes with an updated version of OpenAPI. You may need to [restart your Integration \(Bridge\)](#) component to see the API documentation (see [Troubleshooting General Bridge Problems](#)).

On this page:

New Features

Administration and Portal

- **New logging options for NestJS-based platform services**
For NestJS-based platform services, platform operators now can define the log level per channel and sink. Logs are written to a database and can be analyzed with the [Log Analyzer](#).

API Management

- **Improved API subscription process**
When a consumer subscribes to an API, they receive an email confirmation that their request is pending, and a notification as soon as their request has been approved or rejected (see [Notifications](#) and [Answering Approval Requests](#) in our online documentation).
The approver receives the request via email, and can accept or reject the request from an improved [notification view](#).
- **Developer Portal: Improved plan card view**
You now can specify an order for the plans listed inside the plan card view. This order is stored on API level (see [API Settings](#) in our online documentation).
- **Developer Portal: Improved view rendering /responsiveness on different devices types**
The contents now scale to the maximum width of the screen.

Designer

- **New cockpit view in the generated application**
In the generated application, you can now add permissions (in form of roles) to a process. Users that do not have these permissions are not able to see the instance list and the running process instances. They can only start new process instances if they have permissions to do so (see [Role-based Authorization Concept](#) and [Running Role-based Applications](#)).
- **Optional Parameters for REST Request/Response Adapter usable**
You now can add additional optional parameters (such as the input parameter [RequestOption](#) or the output parameter [AdapterResponse](#)) to the [RESTAdapter](#). This enables the full functionality of the adapter.
- **New Apache Kafka Producer adapter**
Use the [Apache Kafka Producer adapter](#) to send events to an Apache Kafka messaging queue.
- **New option to export forms as pro-code in a library format**
You now can export all forms of a project as pro-code as a library and use them in other projects.
- **Improved access to object properties in activity diagram**
If source and target object are not of the same type, you can use a [transformation on an object flow](#) to extract an attribute from a complex object and assign the value to the target object.

Improvements and Fixes

- **API Management**
 - Improved error handling for loading portal
 - Fixed multiple communication issues with the Integration (Bridge) component
 - Improved deletion/unsubscription from an API (see [Subscribing to a Private API](#) and [Unsubscribing from an API](#)).
 - Fixed client deletion issues
 - Updated Swagger UI
 - Fixed metrics for Rate Limiting policy
 - Support external Keycloak installation
- **Designer**
 - Improved Service import
 - Improved search with wildcards in the generated app
 - Various improvements in the model tree
 - Support transformations on object flows
 - Role based authorization for instance list
 - Fix in [power\(\) operation](#) for float values

- Fix in compact() operation for arrays
- New operations are now static by default
- **Integration (Bridge)**
 - Download of raw persistent state data also contains external properties
 - Configurable HTTP header size limit
- **Platform**
 - Pass a URL querystring of a request to Keycloak on login request (to support custom SPI's)
 - Changed time format of authenticator-service logfiles (to enable a uniform display in the [Log Analyzer](#))
 - Fixed controlling of Java services from Integration (Bridge) from [Administration](#)



Please find all details regarding this release on [Release Details of PAS 22.1.2](#).

PAS 22.1.1 (07.06.2022)

API Developer Portal 1.3.0

Bug	Description	Documentation Link
PAS-4026	Anonymous endpoint is not used if the user has wrong permissions	
PAS-3824	Introduce paging for list of APIs shown in marketplace	
PAS-3814	Test: Cypress Test use Plugin Version and are therefore not working between releases	
PAS-3750	Signup wizard: Step 1: Clients table missing central divider lines	Subscribing to a Private API
PAS-3741	Improve error handling on search page	
Improvement	Description	Documentation Link
PAS-3981	Label for counting APIs should be removed	
PAS-3910	Cypress Test Infinite Scrolling	
PAS-3909	Add Cypress Test for Register Button on My Clients	
PAS-3815	Idea: Create more generic functions to create test data	
PAS-3754	Check if material icons are correctly set up for offline use	
PAS-3718	Documentation for cypress tests	
PAS-3701	Improve Policy Card	
PAS-3596	Show URL of public APIs on API details page	Developer Access to APIs
PAS-3535	Add Register Client functionality to My Clients	Using "My Clients"
PAS-3326	Redirect admins to the Manager UI if they click on an approval notification	Answering Approval Requests
New Feature	Description	Documentation Link
PAS-3759	Introduce API Discoverability	The Concepts of API Management > Visibility
PAS-3742	Show user avatar next to logout button	Managing the Developer Portal
PAS-2729	Support for user specific language rendering	Managing the Developer Portal

- [PAS 22.1.2 \(03.08.2022\)](#)
 - New Features
 - Improvements and Fixes
- [PAS 22.1.1 \(07.06.2022\)](#)
 - API Developer Portal 1.3.0
 - API Management 8.2.0
 - Bridge 7.22.1
 - Builder 7.25.0
 - Designer 4.1.0
 - portal-app 2.0.0
 - service-manager-module 3.0.1
 - service-repository 6.0.0
 - user-service 6.3.1
 - xUML Runtime 2022.4
 - xUML Runtime 2022.5
 - xuml-tool 1.3.2
- [PAS 22.1.0.1 \(29.04.2022\)](#)
 - Bridge 7.21.0
 - xUML Runtime 2022.4
- [PAS 22.1 \(08.04.2022\)](#)
 - API Developer Portal 1.2.3
 - API Management 8.1.2
 - Bridge 7.20.0
 - Builder 7.24.0
 - Builder 7.24.1
 - Designer 4.0.0
 - Designer 4.0.1
 - admin-app 6.7.0
 - analytics-api-service 4.0.2
 - analytics-collector-service 2.0.0
 - analytics-etl-service 2.0.0
 - opensearch 1.3.0.0
 - file-storage 4.4.0
 - keycloak 16.1.1.0
 - opensearch-dashboards 1.3.0.0
 - minio 2022.3.8.0
 - mongodb 4.4.13.0
 - mysql 5.7.37.0
 - nginx 1.21.6.0
 - one-docker 22.1
 - pas-service-template 1.0.0
 - portal-app 1.7.0
 - portal-external-modules 1.0.7
 - postgres 12.10.0.0
 - redis 6.2.6.0
 - service-manager-module 2.7.7
 - service-repository 5.4.0
 - xUML Runtime 2022.3
 - xuml-library-repository-service 4.1.0
 - xuml-management-logging 1.2.4
 - xuml-management-overview 1.4.0

API Management 8.2.0

Bug	Description	Documentation Link
PAS-4099	StartTLS does not work	
PAS-4045	Policy settings are not saved correctly	
PAS-4035	Without apiadmin permission in Keycloak no users can be added to own organization	Administrating Organization Members
PAS-4010	Image Upload does not work	Exposing an API
PAS-4004	Removing an API policy does not work	Assigning Policies
PAS-3940	Layout in 'Edit' versions of policies has large left padding/margin	Assigning Policies
PAS-3913	Delete button for locked policy shown but leads to error	
PAS-3903	Wrong permission check for approval in UI	
PAS-3717	Timestamps are not displayed	Notifications
PAS-3702	Remove fixed height from contracts list	Creating a Contract
Improvement	Description	Documentation Link
PAS-3819	Show PAS error page when user has no access	
PAS-3640	Setting to allow only admins or everyone to create an organization	Creating an Organization
PAS-3349	Improve E-Mail templates	Notifications
New Feature	Description	Documentation Link
PAS-3923	Support OpenAPI v3 Endpoint Replacement	
PAS-3759	Introduce API Discoverability	The Concepts of API Management > Visibility
PAS-2629	API Management: IP net mask not available in Blacklist or Whitelist	• IP Allowlist • IP Blocklist

Bridge 7.22.1

 Contains xUML Runtime Version: [2022.5](#)
Contains Bridge API Version: 2.13.0
Contains Roles Version: 1.27

Bug	Description	Documentation Link
PAS-4094	Changing a setting variable via REST API has no effect on affected services	

Builder 7.25.0

 Contains xUML Runtime Version: [2022.5](#)

Bug	Description	Documentation Link
PAS-3954	Wrong base path on container deployment	

PAS-3941	forbid to create instances of type Any	
PAS-3868	Regression tests: test case count is wrong for ParallelRequest tests	
PAS-3861	REST input body model ignores External Name settings	
PAS-3836	RegTests: Some "ParallelRequests" tests suddenly abort the testrun	
PAS-3832	Cannot use classToJSON in mapping diagram without providing composer options	
PAS-3816	Usage of "remove" action with Filesystem adapter does not compile	
PAS-3787	Action script errors do not disappear	
PAS-3766	Cannot use literal as input for Memory adapter	
PAS-3730	Service crashes when calculating with foreach index	
PAS-3665	Service using getCompositeXYZ() won't start	
PAS-1733	Updated JavaMail library to 2.6.2 in example	
Improvement	Description	Documentation Link
PAS-3967	Allow empty string as default value for properties	
PAS-3734	Using tabulator and \n in labels leads to compilation error	
PAS-3687	Create an example for blobs in REST interface	
PAS-3684	Extend PStatePurchaseOrder example with <<PersistentStateControl>> adapter	
PAS-3662	Define dependencies between stereotypes	
PAS-3568	Use modified date to check cache	
PAS-1176	Generated app to angular 13	
New Feature	Description	Documentation Link
PAS-3782	Send inherited stereotype properties to designer	
PAS-3689	Designer Incoming Service REST	
PAS-3411	Send enumeration types in the designer	

Designer 4.1.0

Bug	Description	Documentation Link
PAS-4073	Open Api Import error in definition array \$ref	2023-04-26_17-03-58_Creating an OpenAPI Connector
PAS-4067	Cannot import a bpmn model or a form	Service Panel
PAS-4048	OpenAPI importer does not support array of data as response	2023-04-26_17-03-58_Creating an OpenAPI Connector
PAS-4027	Missing controls panel icons	Controls Panel
PAS-4018	Wrong error: Arrays must not have default values	
PAS-4013	Wrong translations when deleting a service	
PAS-3930	UI adjustments for the docker deployment	Managing the Service Details > Editing the Service Properties
PAS-3912	Folder Gone	Folders

PAS-3831	Library Form trigger events are not shown	
PAS-3825	Positioning of mapping functions	Modeling Data Mapping
PAS-3786	Change of form only is not compiled to service repository	
PAS-3785	readAllOverviewModels not called	
PAS-3757	Literals broke mapping diagrams	Assigning a Literal Value to a Mapping Target
PAS-3694	Overview panel does not show content	Overview Panel
PAS-3663	Attribute menu data remains after collapsing pane	Attributes Panel
PAS-3623	After deleting property the mapping diagram is broken	Modeling Data Mapping
PAS-3613	Mapping diagram: deleted properties are not marked as error	Modeling Data Mapping
PAS-2839	Panels issues	Designer Panel Overview
PAS-2643	Selecting form on user task doesn't assign type to message parameter anymore	User Task
New Feature	Description	Documentation Link
PAS-4096	Designer sends corrupted json in .form.json	
PAS-3964	Send deploymentType and hostname to compiler	
PAS-3686	Default values for class attributes	Customizing Classes
PAS-2388	Provide a project search in the service tree	Service Panel > Searching the Service Panel
PAS-1567	Support Docker container as deployment target	Managing the Service Details > Editing the Service Properties
Improvement	Description	Documentation Link
PAS-3974	Search in service panel should match inside words	Service Panel > Searching the Service Panel
PAS-3973	Trigger search in service panel: search term is not too small	Service Panel > Searching the Service Panel
PAS-3936	Validate service name for docker deployment	Managing the Service Details > Editing the Service Properties
PAS-3932	Check if user has the profile xuml_admin for docker deployment	• Managing the Service Details > Editing the Service Properties • Overview of Standard Profiles
PAS-3927	Default deployment target	Managing the Service Details > Editing the Service Properties
PAS-3890	Clicking on the validation button has to focus the validation panel	Managing the Service Details
PAS-3873	Rewrite logic for autoLayout	Working with the BPMN Editor
PAS-3818	Remove the action event for data tables	Data Table
PAS-3803	Delay search in service panel	Service Panel > Searching the Service Panel
PAS-3763	Integrate not skipped unit tests into pas-release	
PAS-3733	Implement periodic cleanup of log collections	

PAS-3721	Add default proxy port when creating service	Services
PAS-3685	Type selection dialog: search for snippets	Changing the Attributes of Data Model Elements
PAS-3650	DataTable_Item elements should have property _meta generated	Data Table
PAS-3329	projectId property on definition and model	
PAS-3237	Show only data that can be used in the type selection dialog	Changing the Attributes of Data Model Elements
PAS-3187	Sort all arrays in the data being sent to the compiler	

portal-app 2.0.0

Improvement	Description	Documentation Link
PAS-3807	Portal and consumed modules must use new platform-communication version (NestJS bump)	

service-manager-module 3.0.1

Bug	Description	Documentation Link
PAS-4065	Fix broken nest js details page	
PAS-3400	xUML Management UI's empty without xuml_container_admin-profile	Overview of Standard Profiles
PAS-3351	Bridge links in integration services do not work	
New Feature	Description	Documentation Link
PAS-3724	Targeting new service repository API	

service-repository 6.0.0

Bug	Description	Documentation Link
PAS-3747	Service control not possible in dev	
PAS-2883	Refreshing the bridge service does not show an error message	
Improvement	Description	Documentation Link
PAS-3706	Add version to XUMLServiceStatusResponse	

user-service 6.3.1

Improvement	Description	Documentation Link
PAS-3740	Create new portal base profile with minimalistic set of permissions	
PAS-1293	Forbid blanks in profile namespace during profile creation	
Bug	Description	Documentation Link

PAS-3222	Retry does not stop after 10 retries if pas designer is not started	
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xUML Runtime 2022.4

Bug	Description	Documentation Link
PAS-3793	SQL Server: inserting NULL into VARBINARY(max) column fails	
PAS-3780	Slow performance searching persistent state object with 3 "or" conditions	

xUML Runtime 2022.5

Bug	Description	Documentation Link
PAS-3943	REST Service: crash on empty header that is defined as REST Parameter	
PAS-3874	Crash when serializing broken REST response / reading broken REST request	
PAS-3744	runtime generates application/xml REST response where application/json is expected	
PAS-3708	REST Adapter: crash if simple type given as Body	
Improvement	Description	Documentation Link
PAS-3939	Update curl to 7.83.1	
PAS-3904	Avoid http error 406 when accept header is not set in request	
PAS-3886	JSON Parsing: support converting timestamp to DateTime	
PAS-3145	Update sapnwrfsdk to version 7.50 patch level 9	
New Feature	Description	Documentation Link
PAS-3567	JWT token Adapter	

xuml-tool 1.3.2

Bug	Description	Documentation Link
PAS-3402	Accept unset (empty) settings	

PAS 22.1.0.1 (29.04.2022)

Bridge 7.21.0



Contains xUML Runtime Version: [2022.4](#)
 Contains Bridge API Version: 2.13.0
 Contains Roles Version: 1.27

Improvement	Description	Documentation Link
PAS-3817	xUML Runtime 2022.4	

PAS-3791	Updating Java to version 17.0.3	
Bug	Description	Documentation Link
PAS-3649	Wrong HTTP Code in case of error	

xUML Runtime 2022.4

Bug	Description	Documentation Link
PAS-3793	SQL Server: inserting NULL into VARBINARY(max) column fails	
PAS-3780	Slow performance searching persistent state object with 3 "or" conditions	

PAS 22.1 (08.04.2022)

API Developer Portal 1.2.3

Improvement	Description	Documentation Link
PAS-3677	API definition does not work for unexposed APIs	Exposing an API
PAS-3410	Add 'Unlimited' Label to plan cards	
PAS-3302	Add tooltips for APIs on my clients page	Using "My Clients"
PAS-3301	Add API Status to API Cards/API Details	Managing the Developer Portal
PAS-3291	Improve Toc	Using "My Clients"
PAS-3048	Remove unused url parameter from signup and refactor navigation check	
PAS-3045	Add role check once final permission role is available	
PAS-2975	Disable header navigation in wizard	Subscribing to a Private API
PAS-2962	Improve CSS Grid for My Applications	
PAS-2958	Show API Markdown in My Applications/Public APIs	Consuming a Public API Using "My Clients"
PAS-2354	Modify devportal -> config.json to take over parameter from variable (.env)	
Bug	Description	Documentation Link
PAS-3590	Show different message if rate/quota limit policies are not set	Developer Access to APIs
PAS-3562	Duplicate Client should not be allowed	Using "My Clients"
PAS-3540	Policy card did not scale well with low res displays	Developer Access to APIs
PAS-3536	Endless loading spinner for policy probes	Developer Access to APIs
PAS-3346	API description in API card is not truncated	Developer Access to APIs
Task	Description	Documentation Link
PAS-3299	Update to Angular 13.2	

PAS-3221	Rename "My Applications" to "My Clients"	• Managing the Developer Portal • Using "My Clients"
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API Management 8.1.2



Compatibility Hint

If you change your name or email in the user administration of Keycloak, it will be changed in API Management as well on next login (or token update).

Bug	Description	Documentation Link
PAS-3601	ES Metrics: if metrics buffer is full, then drop records rather than blocking	Metrics
PAS-3592	In the Client metrics [object Object] is displayed	Metrics
PAS-3563	Browser back button does not work on "All APIs /Organizations" page	Finding Organizations
PAS-3559	Cannot remove custom marketplace icon once uploaded	Exposing an API
PAS-3546	Policies dont get deleted	Policies
PAS-3499	OAuth authentication fails: 502: Bad Gateway	
PAS-3481	Using keycloak oauth policy leads to auth error when testing public api	Keycloak OAuth
PAS-3378	NPE in URL Rewriting Policy	URL Rewriting
PAS-2921	Hide section "Attached Plans" in Dev Portal tab when API is public	API Settings
PAS-2319	JWT Policy - Call Using JWK url does not work	JWT
PAS-2295	Change API Mgmt System/Gateway Test	
Improvement	Description	Documentation Link
PAS-2727	Update Tools section from menu	The API Management User Interface
PAS-2711	Mail change in user management is to be adopted in API management as well	

Bridge 7.20.0



Contains xUML Runtime Version: [2022.3](#)
 Contains Bridge API Version: 2.13.0
 Contains Roles Version: 1.27

Improvement	Description	Documentation Link
PAS-3583	xUML Runtime 2022.3	
PAS-3509	Update to Node.js 16.14.2	
PAS-3486	Update Tomcat to version 9.0.60	
PAS-3434	Update Tomcat to version 9.0.59	
PAS-3433	Update Apache httpd to version 2.4.53	
PAS-3242	Update to Node.js 16.14.0	

PAS-3241	xUML Runtime 2022.2	
Bug	Description	Documentation Link
PAS-3489	Proxy entry for Node.js service is not created	
PAS-3430	Deployment xUML service is slow (many log files or trace files)	
PAS-3362	Previous Xuml Service Removed upon deployment	

Builder 7.24.0



Contains xUML Runtime Version: [2022.3](#)

Improvement	Description	Documentation Link
PAS-3581	Persistent State Workerlimit	
PAS-3547	Create empty UI resource when angular is disabled	
PAS-3436	xuml-compiler-service: use up to 4 GB for Node.js	
PAS-3435	Remove xuml-base and PASPlatformCommunication_lib documentation	
PAS-3415	Analyzer should support PersistentStateControl	
PAS-3391	Removed Any.classToExtendedJSON	
PAS-3358	Missing String Operation in Analyzer	
PAS-3314	Fix/Update cypress test for generated app (PAS 21.2.2)	
PAS-3003	Enable base type operations with complex parameter	
PAS-3002	Enable basic operations (getServiceContext, ...)	
PAS-3001	Add more stereotypes	
PAS-2973	Stereotypes for properties <<E2EAttribute>>	
PAS-2792	Compile SAP Adapter	
PAS-1540	Introduce categories to generated Swagger UI	
Bug	Description	Documentation Link
PAS-3464	"File not found" exception on EDIFACT import	
PAS-3424	Multiple control flows from same CallOperationNode in generated mapping	
PAS-3381	Unhandled signal error in Designer service	
PAS-3376	Main.js is generated with id when building angular application with watch	
PAS-3366	GET BPMN instances is slow	
PAS-3354	Intermediate event states are missing with GET /{id}	
PAS-3319	A sequence of more than one item is not allowed as the result of a call to util:getOriginalElement#1 ("", "")	
PAS-3317	FileSystemAdapter wizard doesn't show parameter dialog for removeRecursive action	
PAS-3297	Cant deploy project if empty form group element	
PAS-3295	Return better error when angular build fails	

PAS-3136	Compiler error after clean all for models with indirect library dependencies	
PAS-3026	avoid Writing error element to ../NameError.xml	
New Feature	Description	Documentation Link
PAS-3360	Create a _meta type for table	
PAS-2894	Compile <<FlatFileAdapter>> operations	

Builder 7.24.1



Contains xUML Runtime Version: [2022.3](#)

Bug	Description	Documentation Link
PAS-3688	PersistentState: using externals causes compiler warnings about "eml:Feature"	
PAS-3657	Compiled application doesn't get updated after re-deploy	

Designer 4.0.0

Bug	Description	Documentation Link
PAS-3623	After deleting property the mapping diagram is broken	Working with the Mapping Editor
PAS-3621	target pin disappears	Modeling Data Mapping
PAS-3619	Apply the SearchKey stereotype for all instance table column except the CurrentTasks	Configuring the Instance List
PAS-3599	Activity Diagram Literals not accepting values for some types	Adding Literals
PAS-3564	Sort not possible if filterable is disable in the instance table	Configuring the Instance List
PAS-3511	Message type does not change to form type	Modeling Execution
PAS-3485	Activity Diagram literals can't be attached to base type operations	Adding Literals
PAS-3482	Deployment failed: SocketException: Unexpected end of file from server	
PAS-3473	Action script tab is not updated when name is changed	Using Action Script
PAS-3453	No open icon for mapping diagram in execution diagram	Modeling Execution
PAS-3447	Pin tooltips don't show array brackets	Modeling Activities
PAS-3439	Form data are not displayed correctly in the instance list	Configuring the Instance List
PAS-3437	Pasting elements does not work	Working with the BPMN Editor
PAS-3418	Instance table not in sync	Configuring the Instance List
PAS-3397	column number is mixed on one form	Modeling Forms
PAS-3394	Show return parameters with name nicely	Modeling Data Structures

PAS-3389	Missing permission for displaying namespaces during library import in PAS default permissions	Managing Permissions
PAS-3382	Should be possible to connect output of type any to any variable	Modeling Activities
PAS-3374	Hidden items in instance table are not Filterable	Configuring the Instance List
PAS-3364	Actionscript documentation is not reachable	Action Script Language
PAS-3343	Renaming buttons leads to removed trigger events	Button
PAS-3322	Show invalid inversly implemented on activity diagram	Working with the Activity Editor
PAS-3263	After the mapping function is deleted, non-persisted pins are left	Modeling Data Mapping
PAS-3223	If operation has implementation, icon is not set in tree	Implementation
PAS-3191	"Show parameter name" does nothing	Working with the Execution Editor
PAS-3188	Moving an element while creating parameter does not create the parameter on the UI	Adding Parameters in the Activity Editor
PAS-3122	Selected parameters and properties are not provided to attribute menu	Attributes Panel
PAS-3121	Some logs are not displayed correctly in pas-designer-service	
PAS-3108	Return type in getExecution can not be changed	
PAS-3107	Delay till creation dialog is closed	
PAS-2939	Creating relation to pins	Moving Pins
PAS-2880	OpenAPI connector import: missing arrays	2023-04-26_17-03-58_Creating an OpenAPI Connector
PAS-2780	Activity name changed in tree but not in tabs	Modeling Activities
PAS-2701	Subform property type is not displayed in data model	Implementation
PAS-2416	Inserting vertical/horizontal space does not work properly with lanes	Working with the BPMN Editor
PAS-1595	Highlighting of pins when creating relation	Modeling Data Mapping
Improvement	Description	Documentation Link
PAS-3395	Applying stereotypes to packages	Implementation
PAS-3254	Trigger Events Search/Auto-Complete Features	User Task
PAS-3185	Resubscribe to updates for all open models after reconnection to the server	
PAS-3181	Revise the usage of functions within html files	
PAS-3165	OpenApi Descriptor type and id are not same	2023-04-26_17-03-58_Creating an OpenAPI Connector
PAS-3153	Remove the button for toggling random command error debug mode	
PAS-3134	Remove parallel and queued events options from Timer Start Event	Timer Start Event
PAS-3031	Stop the spinner and show an error if prepare for compiler failed	
PAS-2995	repair script: highlight serious errors	
PAS-2910	Replace API try out link	Controls Panel

PAS-2679	Pin connecting and moving	Moving Pins
PAS-2599	make endpoint url of xuml-compiler-service configurable via environment variables	
PAS-2523	Refactor mapping model update	Modeling Data Mapping
PAS-2007	Group stereotype attributes	Stereotypes
PAS-210	"Clear and Save" in select type dialog not intuitive enough	
New Feature	Description	Documentation Link
PAS-2692	Pro Code: Send pro code data to compiler	Pro-Code Development
PAS-2501	Fix data table column display	Data Table
PAS-2500	Add literals	Adding Literals
PAS-2495	Create migration scripts for data table	Data Table
PAS-2332	Make it possible to configure the default sorting mechanism for a column	Data Table
PAS-2327	Make it possible to use types in data table	Data Table
PAS-1919	Pro Code: Use pro code form events in boundary events	Pro-Code Development
PAS-1918	Pro Code: Use pro code form events in user tasks	Pro-Code Development
PAS-1917	Pro Code: Use pro code forms in sub-forms	Pro-Code Development
PAS-1916	Pro Code: Use pro code forms in user tasks	Pro-Code Development
PAS-1915	Pro Code: Use pro code forms from library	Pro-Code Development

Designer 4.0.1

Bug	Description	Documentation Link
PAS-3715	Alias selection list is empty	Aliases
PAS-3698	After deleting parameter the mapping diagram is broken	Modeling Data Mapping
PAS-3697	Cannot enter a default value on persisted integer /float anymore	
PAS-3683	Activity diagram: missing text symbolType. ActivityLiteral	Modeling Activities
PAS-3644	Instance Table: Name column throws an error	Configuring the Instance List
PAS-3611	Mapping diagram: ordering of properties	Modeling Data Mapping
PAS-3514	Parameter change only after reloading the mapping diagram	Adding Parameters in the Mapping Editor
Improvement	Description	Documentation Link
PAS-3666	Make the sortable independent of the filterable	Configuring the Instance List

admin-app 6.7.0

New Feature	Description	Documentation Link
PAS-3245	Access of multiple analytics nodes to one SQL database	

analytics-api-service 4.0.2

Bug	Description	Documentation Link
PAS-3556	ETL does not work	

analytics-collector-service 2.0.0

New Feature	Description	Documentation Link
PAS-3245	Access of multiple analytics nodes to one SQL database	

analytics-etl-service 2.0.0

Bug	Description	Documentation Link
PAS-3556	ETL does not work	
PAS-3528	Analytics-db initialization does not work correctly	
New Feature	Description	Documentation Link
PAS-3245	Access of multiple analytics nodes to one SQL database	

opensearch 1.3.0.0

Improvement	Description	Documentation Link
PAS-3632	update to opensearch 1.3.0	
PAS-1528	migrate to opensearch	Analyzing Platform Logs

file-storage 4.4.0

Bug	Description	Documentation Link
PAS-2318	getFile method will return a random file if no uuid is provided	

keycloak 16.1.1.0

Improvement	Description	Documentation Link
PAS-3625	Upgrade Keycloak to v16.1.1	Working with the Identity Management
PAS-3349	Improve E-Mail templates	

opensearch-dashboards 1.3.0.0

Improvement	Description	Documentation Link
PAS-3631	update kibana to opensearch-dashboards v1.3.0	Analyzing Platform Logs

minio 2022.3.8.0

Improvement	Description	Documentation Link
PAS-3630	update minio to v2022.3.8	

mongodb 4.4.13.0

Improvement	Description	Documentation Link
PAS-3626	update mongodb to 4.4.13	

mysql 5.7.37.0

Improvement	Description	Documentation Link
PAS-3627	update mysql to v5.7.37	

nginx 1.21.6.0

Improvement	Description	Documentation Link
PAS-3633	update nginx to 1.21.6	
PAS-3365	Improve SSL Settings - drop TLSv1.1 support	

one-docker 22.1

Task	Description	Documentation Link
PAS-3524	Add new xUML container license into service-repository over binding	

pas-service-template 1.0.0

New Feature	Description	Documentation Link
PAS-3032	Register Config and use singleton config object through template	
PAS-2970	New nest.js based pas-service-template	
PAS-2969	Logging implementation for nest.js based services and elastic	

portal-app 1.7.0

Bug	Description	Documentation Link
PAS-3463	Rename Kibana and Keycloak Component	Analyzing Platform Logs Working with the Identity Management
PAS-3429	Check the link which should be displayed when clicking on 'Documentation' in the portal	Getting Started With Scheer PAS
PAS-3427	Service link is redirecting to portal if the profile is not assigned to the user	Getting Started With Scheer PAS

portal-external-modules 1.0.7

Bug	Description	Documentation Link
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PAS-3463	Rename Kibana and Keycloak Component	• Analyzing Platform Logs • Working with the Identity Management
New Feature	Description	Documentation Link
PAS-2878	Update link for new api developer portal	Developer Portal

postgres 12.10.0.0

Improvement	Description	Documentation Link
PAS-3628	update postgres to version 12.10.0 and and pgpool to 4.3.0	

redis 6.2.6.0

Improvement	Description	Documentation Link
PAS-3629	update redis to 6.2.6	

service-manager-module 2.7.7

Bug	Description	Documentation Link
PAS-3510	After changing config and clicking restart progress bar does not appear below service name	
PAS-3463	Rename Kibana and Keycloak Component	• Analyzing Platform Logs • Working with the Identity Management
Improvement	Description	Documentation Link
PAS-3340	Change restart icons in service manager	Adminstrating the Platform Components
PAS-3024	Adjust order of Log Levels in Administration	Changing the Log Level of a Docker Container

service-repository 5.4.0

New Feature	Description	Documentation Link
PAS-3575	Read license information from deployed xuml container	Controlling Containerized xUML Services
Bug	Description	Documentation Link
PAS-3525	Hostname must not contain underscores	Working With the Deployment Wizard
Improvement	Description	Documentation Link
PAS-3249	Add additional role checking policy for xUML service routes	

xUML Runtime 2022.3

Bug	Description	Documentation Link
PAS-3472	PersistentStateControl queryObjects with includeObjectData=true is slow	
PAS-3416	Service with MongoDB Adapter crashes under load	
PAS-3307	MongoDB pipeline update with upsert=true does not insert	
PAS-2577	Service may crash after re-connecting to PState database due to invalid connection use	
Improvement	Description	Documentation Link
PAS-266	SAP IDoc (record) parser diagnostic	

xuml-library-repository-service 4.1.0

Improvement	Description	Documentation Link
PAS-2819	Create ids for pro code forms	

xuml-management-logging 1.2.4

Bug	Description	Documentation Link
PAS-3577	Logs should be available also when container is restarting	Showing Logs of a Containerized xUML Service
PAS-3463	Rename Kibana and Keycloak Component	Analyzing Platform Logs Working with the Identity Management
PAS-3419	Quick Action for xUML logging module shows error	Controlling Containerized xUML Services

xuml-management-overview 1.4.0

New Feature	Description	Documentation Link
PAS-3576	Render xuml license information in management ui overview	Controlling Containerized xUML Services