

PAS 21.2 Release Notes



Migration Notes

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

PAS Release	Component	Issues	Runtime Dependency
Builder 7.22.2	Builder 7.22.0	PAS-3234	If a persisted class property is defined as to be a search key, and there is already older persisted data present in the database, the



Contains xUML Runtime Version: [2022.1](#)

Bug	Description	PAS-	Documentation Link
FAS-3234	Instance table: filtering non string values: server error		
Improvement	xUML Runtime 2022.1	PAS-3016	The minimum version requirements for persistent state databases have changed to
FAS-3220	Enable the refresh button on the instance table		- Oracle 12c - SQL Server 2012

Designer 3.3.1

Bug	Description	PAS-	Documentation Link
FAS-3232	Message Event Trigger gone		The handling of external persistent state attributes (loadExternals , Loading External Message Store Data) has changed. External
FAS-3219	Error when trying to insert text into image form		persistent state attributes will only be loaded once during a persiste
FAS-2751	Could not add persisted variable id		nt state transaction. Subsequent calls of loadExternals will be Persisting Data

PAS 21.2.2 (15.02.2022)

21.2.1.4	Builder 7.21.0	PAS-2633	The structure of the generated angular code has changed. Instead of having forms, processes and tasks as angular library projects,
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API Developer Portal 1.1.0

New Feature	Description	PAS-	Documentation Link
FAS-3060	Add Notifications to Devportal	2634	This may have implication for pro code if the code generated by the Developer Portal
FAS-3046	Add source maps in prod build		Designer is used as base project. Git should see most files as moved so it should follow the history but still be careful during
FAS-2875	Approval page for new accounts		merging to not lose something that has been changed in one of these files.
Improvement	Description		Documentation Link
FAS-3047	Builder update to 2021	PAS-2949	Builder 7.18.0 and Runtime 2021.9 are incompatible regarding the
FAS-2960	Add search to My Applications		new flag Startup Must Succeed (fixed in Builder 7.20.0). The flag
FAS-2855	Update to Angular 13		will be ignored.
PAS-2753	Remove style from config.json5		
PAS-2504	PAS default theme for the new API Developer Portal		Developer Portal
Bug	Description		Documentation Link
PAS-2974	Cannot delete client that is not registered		Deleting a Client
PAS-2967	Wizard step checks are not working correct		Developer Access to APIs

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PAS-2955	Show clients from not exposed APIs in "My Applications" view	Managing the Developer Portal
PAS-2926	Plans are not shown in Developer Portal	

API Management 8.0.4

Bug	Description	Documentation Link
PAS-2950	Developer Portal V1: Problems to fetch API list	
PAS-2887	Time Restricted Access policy: Time shown as invalid DateTime	Time Restricted Access
PAS-2864	API details do not show "Modified" tag any more	API Settings
PAS-2854	CI: Pipeline triggers release and dev branch during release build	
PAS-2488	Developer Portal Tab is missing in overview	API Settings
PAS-2309	Wrong cursor on hover while triggering "add" link	
PAS-2303	Message for non-existing organizations only gets displayed for a second	
PAS-2302	Message for non-existing APIs only gets displayed for a second	
PAS-2290	Opening ".../apimanui/api-manager/orgs/Devportal-Test/apis/Petstore-Public/1.0/def" for the first time shows an error popup	
PAS-2263	new user cannot be added to organisation	

Bridge 7.19.0



Contains xUML Runtime Version: [2022.1](#)
 Contains Bridge API Version: 2.13.0
 Contains Roles Version: 1.27

Improvement	Description	Documentation Link
PAS-3159	xUML Runtime 2022.1	
PAS-3059	Updating Java to version 17.0.2	
PAS-2986	Update Tomcat to version 9.0.58	
PAS-2936	Add DB2 client library to base image	
PAS-2851	Logging improvements	
PAS-2830	Update Apache httpd to version 2.4.52	
Bug	Description	Documentation Link
PAS-3055	xUML service kill does not work	
PAS-2837	More meaningful error messages (PAS-2202) cause broken integ tests	
PAS-1281	Short Tomcat session timeout value sometimes causes Bridge upload fails	

- [PAS 21.2.1 \(20.12.2021\)](#)
 - [API Developer Portal 1.0.5](#)
 - [API Management 8.0.3](#)
 - [Bridge 7.18.0](#)
 - [Builder](#)
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 - [analytics-collector-service-1.1.3](#)
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 - [file-manager-module 1.1.12](#)
 - [fluentd 1.2.3](#)
 - [mongodb 1.4.1](#)
 - [one-docker 21.2.1](#)
 - [portal-app 1.5.0](#)
 - [service-manager-module 2.2.3](#)
 - [service-repository 5.2.0](#)
 - [user-service 6.2.5](#)
 - [xUML Runtime 2021.10](#)
 - [xuml-library-repository-service 4.0.0](#)
 - [xuml-monitoring-service 1.0.3](#)
- [PAS 21.2 \(02.11.2021\)](#)
 - [API Management 8.0.0](#)
 - [Bridge 7.17.0](#)
 - [Builder 7.18.0](#)
 - [Designer 3.0.0](#)
 - [analytics-etl-service 1.3.0](#)
 - [authenticator-service 4.3.2](#)
 - [bpaas-backend 4.2.4](#)
 - [bpaas-editor 6.5.1](#)
 - [cron-manager-module 1.0.14](#)
 - [file-manager-module 1.1.10](#)
 - [file-storage 4.2.2](#)
 - [fluentd 1.2.2](#)
 - [keycloak 1.1.5](#)
 - [logging-service 1.0.0](#)
 - [model-execution-service 3.4.1](#)
 - [mongodb 1.4.0](#)
 - [one-docker 21.2](#)
 - [portal-app 1.4.2](#)
 - [service-manager-module 2.0.21](#)
 - [service-repository 5.0.0](#)
 - [user-service 6.2.4](#)
 - [xUML Runtime 2021.9](#)
 - [xuml-library-repository-service 3.0.0](#)

Builder

Builder 7.22.1



Contains xUML Runtime Version: [2022.1](#)

Bug	Description
PAS-3218	REST Interface GET / returns not full instance data

Builder 7.22.0



Contains xUML Runtime Version: [2022.1](#)



Compatibility Hint

If a persisted class property is defined as to be a search key, and there is already older persisted data present in the database, the stereotype **SearchKey** is **not** set retrospectively for the older data. This behavior may improve in the future.
As consequence, the older data will be ignored, when such search key properties are used for filtering or sorting.

Bug	Description	Documentation
PAS-2912	Pins on <<SAPIDocParser>> behavior action nodes result in compile errors	
PAS-2952	Pin "anyObjectFlow" on <<FlatFileAdapter>> action node results in compile errors	
PAS-2988	Timer Event causes compile error when no timeout property is set	
PAS-3035	Array as in/return parameter on execution operations cause compile errors	
New Feature	Description	
PAS-2532	New global operations for handling UUIDs	
PAS-2608	PersistentStateControl adapter: support "skip"	
PAS-2617	Send Search key stereotype to designer	
PAS-2666	Compile<<FileSystemAdapter>> operations from designer base components package	
PAS-2712	Compile<<MemoryAdapter>> operations from designer base components package	
PAS-2748	Compile <<Logger>> operations from designer base components package	
PAS-2929	Set Transformation	
PAS-3012	Use serverside processing event from datatable in instance list	
Improvement	Description	
PAS-456	BPMN POST request filter on persisted properties	
PAS-1452	Support Keycloak OAuth2 authentication for SOAP tracing	
PAS-2609	PersistentStateControl adapter: sorting queried objects by search keys	
PAS-2814	Flag to not generate base element for MD	

PAS-2831	Handle type references from one stereotype to another	
PAS-2862	Remove Array from Base Types	
PAS-2968	Store class, array, blob as <<External>> PS properties	
PAS-2989	Sequence flows to boundary events can be modeled and will be compiled	
PAS-3062	Create condition types in the PAS Form Elements library	
PAS-3076	Support Keycloak OAuth2 authentication for asynchronous trace	
PAS-3118	Need an option to send instance list with externals	

Designer 3.3.0

Bug	Description	Documentation Link
PAS-3188	Moving an element while creating parameter does not create the parameter on the UI	
PAS-3186	Improve readAllOverviewModels handling	
PAS-3169	Errors in pas-designer-service from pas-rc	
PAS-3163	Cannot add any content to 'Text' Property in a Text Area Element	Text Area
PAS-3101	Wrong name when exporting application	
PAS-3098	MongoDBAlias: Clearing input fields disappears the input fields	MongoDB Adapter
PAS-3084	Data Table: Editable option is not saved	Data Table
PAS-3075	Big forms are really slow	
PAS-2947	Add trigger events for subform elements	Subform
PAS-2943	Label in forms editor object panel is broken	
PAS-2937	Wrong tooltip for operation pins	
PAS-2882	BringToFront/Back does not work	Working with the BPMN Editor
PAS-2847	Activity diagram tab title does not correspond to operation name	Working with the Activity Editor
PAS-2846	Initial draw of activity model	Working with the Activity Editor
PAS-2843	Invalid marking of mapping models	Modeling Data Mapping
PAS-2842	Drag/drop does not work in service panel	Service Panel
PAS-2752	Alias stereotypes list is incomplete	
PAS-2733	Start event can accept incoming relations	Start Event
PAS-2693	Double Icons in dropdown of attribute panel on user task	User Task
PAS-2691	The focus of form element gets lost and wrong element is shown in attribute panel	
PAS-2673	Export folder: Library is missing	
PAS-2658	Form name breaks form	
PAS-2596	Check "Form_create_project" form for failures	
PAS-2585	Labels in element toolbar of mapping editor broken	Working with the Mapping Editor
PAS-2540	More options menu out of the screen	Controls Panel

PAS-2505	Zoom bar not consistent	
PAS-2461	Missing error message when importing wrong type in Service panel	Service Panel
PAS-1842	Import renames model	Exporting and Importing Service Panel Contents
Improvement	Description	Documentation Link
PAS-3180	Refactor dataModelPrepareElement function in CompilerBuilderDataModel	
PAS-3158	Disable current task sorting/filtering/type	Configuring the Instance List
PAS-3126	[Performance] DefinitionManager.prototype.fromServiceDefinitions synchronous Call	
PAS-3080	Remove graphical properties from DataModel	
PAS-3066	Add a debug mode to randomly throw errors during service command execution	
PAS-3065	Implement the transactions for all database calls that are done from the commands	
PAS-3063	Move the collections into a single database	
PAS-3004	Potential duplicate loading of DataModel data on startup	
PAS-3000	Expand the fix and cleanup scripts	
PAS-2998	Slow down reconnect timeout for compiler service	
PAS-2993	Improve logging of pas-designer-service	
PAS-2990	Display server errors	
PAS-2979	Rework the service panel refresh system to only refresh the DataModel when possible	Service Panel
PAS-2914	Update validation translations	Validating and Testing a Service
PAS-2840	Checkbox is always checked when click on plus to add value of stereotype property	Service Panel
PAS-2817	Type dialog should be expanded to the current type	Attributes Panel
PAS-2755	Control and revise if possible the usage of inefficient functions within html files	
PAS-2717	Change ActivitySelf and ActivityOperation after cut	
PAS-2684	Navigate to activity diagram definition and implementation	Modeling Activities
PAS-2680	Add search key stereotype to search fields of the instance overview	Showing the Instance List
PAS-2671	Drag and drop is slow in large diagrams	
PAS-2579	Delete option "Publish to cockpit" from toolbars	
PAS-2493	Refactor commandGroup class	
PAS-168	Add Searchfiled functionality for type selection attribute	Attributes Panel
New Feature	Description	Documentation Link
PAS-3088	Enable/disable auto validation	Managing the Service Details
PAS-2816	Make sure the service panel do not wait for the server to update	

PAS-2548	Validation error message	Validating and Testing a Service
PAS-1364	Validations for Activity diagram	
Task	Description	Documentation Link
PAS-2439	Designer is extremely slow	

admin-app 6.2.2

Bug	Description
PAS-2811	The calculated metrics cannot be displayed or added in the UI

bpaas-backend 4.2.6

Bug	Description
PAS-2916	Problems when deleting models in bpaas

file-storage 4.3.0

Bug	Description
PAS-3090	Error 431 when accessing file manager via browser
Improvement	Description
PAS-902	Files owner "Created by" is currently always "internal"

keycloak-init 1.0.0

Improvement	Description
PAS-1721	Upgrade Keycloak to v16.1.1

kibana 1.1.2

Improvement	Description
PAS-3079	Remove message 'your data is not secure' in kibana

mongodb-init 1.0.1

New Feature	Description
PAS-1524	Create handler to fetch available runtime images

nginx 1.1.7

Improvement	Description
PAS-3212	Upgrade Nginx to v1.21.6

portal-app 1.6.0

Bug	Description
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PAS-2935	xUML Persistent State Management UI can not fetch YML file
Improvement	Description
PAS-2868	Service Manager - getService via name instead of id + Jest SetUp
PAS-2544	Replace ws calls / refactor / Setup Jest in Portal App

service-manager-module 2.6.0

Bug	Description	Documentation Link
PAS-3138	Fix up Deployment Wizard	Working With the Deployment Wizard
PAS-2917	Datetime (Created/Updated) not displayed on details page	Working With the Administration
Improvement	Description	Documentation Link
PAS-2909	Replace generic calls targeting service-repository	
New Feature	Description	Documentation Link
PAS-2790	xUML service deployment for arbitrary rep files	

service-repository 5.3.0

Bug	Description
PAS-2917	Datetime (Created/Updated) not displayed on details page
Improvement	Description
PAS-2731	Improve error handling in deployment process
PAS-2696	Add runtime image name to labels too
New Feature	Description
PAS-2393	Enable registering SOAP services when deploying xUML service
PAS-1524	Create handler to fetch available runtime images

user-service 6.2.7

Bug	Description
PAS-2907	Fetch users in chunks when syncing with Keycloak

xUML Runtime 2022.1



Compatibility Hint

The minimum version requirements for persistent state databases have changed to

- Oracle 12c
- SQL Server 2012



Compatibility Hint

The handling of external persistent state attributes (**loadExternals**, see [Loading External Persistent State Data](#)) has changed. External persistent state attributes will only be loaded once during a [persistent state transaction](#). Subsequent calls of **loadExternals** will be disregarded until session end.

The **loadExternals** adapter action cannot be used to reset external attributes of an object.

Improvement	Description	Documentation Link
PAS-3112	Persistent State: Ignore multiple 'loadExternals' adapter calls	
PAS-3043	PersistentStateControl adapter: sorting queried objects by search keys	
PAS-2211	Update SQLAPI to 5.1.8	
PAS-550	Update SQLite to 3.37.2	
New Feature	Description	Documentation Link
PAS-3016	PersistentStateControl adapter: support "skip"	Retrieving Persistent State Metadata with the PersistentStateControl Adapter
PAS-2533	Creating & converting UUIDs	• createUUID() Function • uuidToBlob() Operation • uuidFromBlob() Operation
Bug	Description	Documentation Link
PAS-2866	SystemAdapter writes state ERROR in transaction log even though everything worked	

PAS 21.2.1.5 (07.02.2022)

Designer 3.2.5

Improvement	Description
PAS-3129	Use faster database-provider 5.0.5
PAS-3020	Optimize the execution time for DataModel loading/saving during command execution
Bug	Description
PAS-3068	Slow DefinitionManager.readDefinitionsByModelId

PAS 21.2.1.4 (19.01.2022)

Builder 7.21.0



Contains xUML Runtime Version: [2021.10](#)



Compatibility Hint

The structure of the generated angular code has changed. Instead of having forms, processes and tasks as angular library projects, everything is in the main angular application now. This may have implication for pro code if the code generated by the Designer is used as base project. Git should see most files as moved so it should follow the history but still be careful during merging to not lose something that has been changed in one of these files.

Bug	Description
PAS-2942	No setting is generated for persisted properties
PAS-2898	Instance list should not reload before finish
Improvement	Description
PAS-2634	Move generated process and task in main project
PAS-2633	Move generated forms in main project

Designer 3.2.4

Bug	Description
PAS-2804	Delete index 0 element in mapping cause artifacts
PAS-2695	Data model parameters are not properly created

PAS 21.2.1.3 (18.01.2022)

Builder 7.20.2



Contains xUML Runtime Version: [2021.10](#)

Improvement	Description
PAS-2931	Use xUML PAS Platform 1.1.0
Bug	Description
PAS-2927	PAS user name must be spelled firstname

Designer 3.2.3

Bug	Description	Documentation Link
PAS-2873	Can not create properties of <<REST Adapter>>	REST Adapter

user-service 6.2.6

Improvement	Description
PAS-2865	New event getCurrentUser without extension

PAS 21.2.1.2

Internal release.

PAS 21.2.1.1

Internal release.

PAS 21.2.1 (20.12.2021)

API Developer Portal 1.0.5

Bug	Description
PAS-2761	Wizard does not check if a contract exists
PAS-2706	Devportal-v2 Message 'Data could not be loaded, please try again later.' displayed.
PAS-2660	Theming the developer portal not working
Improvement	Description
PAS-2728	Support for JSON5 config file

API Management 8.0.3

Bug	Description
PAS-2758	Update vulnerable logj4 library to 2.16.0

Bridge 7.18.0

 Contains xUML Runtime Version: [2021.10](#)
Contains Bridge API Version: 2.13.0
Contains Roles Version: 1.27

Bug	Description	Documentation Link
PAS-2202	Deploying multiple services at the same time can corrupt bridge file system	
Improvement	Description	Documentation Link
PAS-2754	Update Tomcat to version 9.0.56	
PAS-2697	Add our standard docker label to bridge	
PAS-2657	xUML Runtime 2021.10	
PAS-2564	Harmonize logging timezone and optimize log pattern	
PAS-2486	Update Java to version 17.0.1	

Builder

Builder 7.20.0

 Contains xUML Runtime Version: [2021.10](#)

Bug	Description	Documentation Link
PAS-2783	New lines should be escaped with \n in translations	
PAS-2771	Change to external Persistent State DB does not work	
PAS-2747	UI stops in processing step	
PAS-2623	Empty BPMN returns validation errors	
PAS-1498	REST and MongoDB Adapters do not reject incorrect alias type	
Improvement	Description	Documentation Link
PAS-2688	Order stereotype properties	
PAS-2615	Use generic template for pins	
PAS-2613	Use generic template for callOperations	
PAS-2590	BPMN Get request sorting options	
PAS-2521	Provide some libraries from the compiler	
PAS-452	BPMN Get request filter on metadata	
New Feature	Description	Documentation Link
PAS-2538	Render base href as relative path	
PAS-2517	Enable User Preferences in angular app	
PAS-2498	Show generic operation for MongoDB adapter in the base components	
PAS-2490	Show datetime base components and operations	
PAS-2489	Show Mongo stereotypes and base component	
PAS-2484	Generate rest operations for ServerSide executions	
PAS-2438	Retrieve user info from user service instead of headers	
PAS-1948	Abort startup if startup activity fails	

Builder 7.19.1



Contains xUML Runtime Version: [2021.9](#)

Bug	Description
PAS-2625	Error while parsing does not go away even after fixing
PAS-2622	All strings must be escaped when generating json

Builder 7.19.0



Contains xUML Runtime Version: [2021.9](#)

Bug	Description	Documentation Link
PAS-2562	Foreach array element buffer node can be uninitialized	
PAS-2549	Wrong generated translations for complex properties	

PAS-2418	Empty array of columnModel is turned to null	
PAS-2230	Refresh goes on after quitting instance list	
Improvement	Description	Documentation Link
PAS-2475	Remove traces of property searchColumn	
PAS-2475	Improve compiler error messages for errors in action scripts	
PAS-2265	compile default values for local variables	
PAS-2086	Provide translation files by angular compiler	
New Feature	Description	Documentation Link
PAS-2482	New <<MongoDBOperation>> stereotype required	
PAS-2437	Generate process meta info rest call	
PAS-2408	add base components in the models for designer	
PAS-2407	Call action stereotypes	
PAS-2370	Handle server side processing form element	
PAS-2285	add libraries forms in the form service	
PAS-2283	Import angular modules of procode libraries	
PAS-1860	Support pro code forms for sub form	
PAS-1646	send stereotypes to designer	
PAS-444	Support pro code forms for a user task	

Designer 3.2.0

Bug	Description	Documentation Link
PAS-2788	Missing delete icon for relations	
PAS-2777	Pending backups cannot be deleted	
PAS-2769	Dependency libs doesn't shown when you add library in service panel	
PAS-2749	Activity diagram start node cannot be replaced after its deleted	
PAS-2668	Lens icon of the search is cut off	
PAS-2655	Add migrations for the form model changes for how the item are referenced	
PAS-2654	Change the export/import to work with the new form model item references	
PAS-2653	Introduce Ids for DataTable columns	
PAS-2652	Add migrations for the mapping model changes for how the item are referenced	
PAS-2651	Change the export/import to work with the new mapping model item references	
PAS-2650	Stop the mapping models from being updated if not all needed libraries are correctly loaded	
PAS-2642	Go to library operation stops working when the operation is moved to another class	
PAS-2632	Designer loses random mappings	

PAS-2630	Allow deletion of a BPMN if the corresponding Instance List model is missing	
PAS-2627	Refactor form-class-helper	
PAS-2626	Renaming data-table in form deletes the datatype of another data-table	
PAS-2624	Duplicate keys for properties in overview forms	
PAS-2618	Error loading mouse-over text when configuring columns of the form.	
PAS-2569	Data table types in data model always show string	
PAS-2537	Enable the manual deletion of Message Data Model elements	
PAS-2536	Translation issues	
PAS-2516	DataTable element loses datatype	
PAS-2509	Weird scrolling behaviour in the designer	
PAS-2469	Inout parameters in library's causing parameter names with dot notation	
PAS-2417	Error on renaming Form Fields (improve performance)	
PAS-2374	Unstable project	
PAS-2312	Wrong tooltip	
PAS-2233	Bridge Base data types library is not always loaded	
PAS-2224	Initial draw of activity diagram-missing types	
PAS-2107	Mouse icon "Hand" is shown even if user has no editing rights	
PAS-1986	Similar property naming can cause compilation issues	
PAS-657	Renaming properties in data model removes relations on mapping model	
Improvement	Description	Documentation Link
PAS-2699	Filter the aliases by type	Attributes Panel
PAS-2689	Remove styling properties from models and elements where they aren't used	
PAS-2606	Improve the type selection popup performance	Attributes Panel
PAS-2551	Activity diagram: place relation end everywhere	Working with the Activity Editor
PAS-2478	Retrieve form element types from compiler	
PAS-2364	Refactor activity canvas manager	Working with the Activity Editor
PAS-2264	Send default values of local variables to compiler	Adding Local Variables
PAS-2258	Activity diagram alignment functions	Modeling Activities
PAS-2222	Add context menu	
PAS-2219	Activity parameter style improve	
PAS-2217	Reattach relations	
PAS-2119	Add more contrast to Action Script icon	
PAS-1729	Selecting multiple Formelements in a grouping element does not work properly	Grouping

PAS-1728	Make the instance table edit overview bigger	Configuring the Instance List
PAS-201	Data model: copy elements also from libraries and connectors	
PAS-192	Mapping diagram: Literals: mark as error if type is changed	
New Feature	Description	Documentation Link
PAS-2594	Make search, filter, sort mechanism available for the instance table	Configuring the Instance List
PAS-2463	Create migration script to add default value attributes for locals	
PAS-2462	Add default value attributes to locals	
PAS-2415	"message" is not a reserved property name	
PAS-2414	Properties name can start with underscore	
PAS-2398	The panels shall be saved per user not per model	Designer Panel Overview
PAS-1662	Read Stereotype and Alias definitions from the compiler	

admin-app 6.6.1

Bug	Description
PAS-2112	Use existing email address leads to error

analytics-collector-service-1.1.3

Task	Description
PAS-2568	Disable ProcessTraceAPI in default collector configuration
Improvement	Description
PAS-2566	Error message invalid date in analytics-services

authenticator-service 4.3.3

Improvement	Description
PAS-1518	Use the new login theme for error backgrounds
New Feature	Description
PAS-1455	Route xuml ui services via predefined route

bpaas-backend 21.2.1

New Feature	Description
PAS-2395	Add filter to model query for model update

elasticsearch 1.1.3

Bug	Description
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file-manager-module 1.1.12

Bug	Description	Documentation Link
PAS-2592	Filter bugs if file was deleted and only one filter was selected	Working With the File Manager
PAS-2334	Filter after upload displays wrong checkboxes and filter does not filter if name of file capital letter first	
PAS-2279	File Manager not able to sort files by date	
PAS-2145	Filter seems to start at third character only	
PAS-2142	Filter is deleted when new file is uploaded	

fluentd 1.2.3

New Feature	Description
PAS-1539	Parse xuml service logs and improve log collector

mongodb 1.4.1

New Feature	Description	Documentation Link
PAS-2561	Add new required permission for accessing xUML endpoints	Managing Permissions
PAS-2557	Add new required permissions accessing xuml services	Managing Permissions
Bug	Description	Documentation Link
PAS-2558	Missing permissions when applying xuml service settings	Managing Permissions

one-docker 21.2.1

Improvement	Description
PAS-2726	Update assets folder for developer portal
PAS-2636	Adjust mount path for customization of developer portal

portal-app 1.5.0

Improvement	Description	Documentation Link
PAS-2369	Show PAS version in lower right corner	Getting Started With Scheer PAS
PAS-1228	Change List/tile icon in Portal	
PAS-1091	Unify PAS header and integrate user preferences	
Bug	Description	Documentation Link
PAS-2279	File Manager not able to sort files by date	Working With the File Manager
Task	Description	Documentation Link
PAS-784	Translation optimizations in service-manager	

PAS-778	Translation optimizations in portal	
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service-manager-module 2.2.3

New Feature	Description
PAS-2614	Provide direct link for log entries in kibana for some services
PAS-2338	Integrate overview module in service manager
Improvement	Description
PAS-2339	Replace ws calls with http
Task	Description
PAS-784	Translation optimizations in service-manager

service-repository 5.2.0

Bug	Description
PAS-2518	Call "getServices" not working as expected when consuming via http
Improvement	Description
PAS-2519	Add public UI path to endpoint config API
PAS-2404	List all endpoints for a running xUML service
PAS-2077	Provide deployment config for deployed xUML service

user-service 6.2.5

Bug	Description
PAS-2744	Translate activityWriter messages
PAS-2112	Use existing email address leads to error

xUML Runtime 2021.10

Bug	Description	Documentation Link
PAS-2612	Some SOAP faults may cause SOAP Adapter crash	
PAS-2510	MIMEAdapter not functioning on 'encode' action in neither way	
PAS-2419	Service may crash after re-connecting to PState database	
PAS-2195	HTTP Headers from a redirect responses (3XX) are merged with actual response headers (introduced 2020.11)	
PAS-2106	Crash if starting request worker thread fails	
PAS-2085	Blob.convertToString() crashes for some empty blobs	
New Feature	Description	Documentation Link
PAS-2550	Support CURLOPT_SSL_VERIFYSTATUS cURL option	
PAS-2409	Setting default bind address family	
PAS-1600	Abort startup if startup activity fails	

Improvement	Description	Documentation Link
PAS-2392	Calling SIGTERM should graceful stop xUML runtime	
PAS-336	Improve usability of XML parser	

xuml-library-repository-service 4.0.0

New Feature	Description
PAS-1809	return new descriptor to designer

xuml-monitoring-service 1.0.3

Bug	Description
PAS-2502	xUML Service Monitor seems to be delivered with internal mail address in template

PAS 21.2 (02.11.2021)

API Management 8.0.0

Bug	Description
PAS-2321	Escaping problem on rendering definition file for yaml and wsdl
Improvement	Description
PAS-1743	Rootless Docker Images for Manager UI and Gateway
PAS-1742	API Catalog polling improvements
PAS-1615	Change config file to new config syntax
New Feature	Description
PAS-1865	Migrate from Elasticsearch to Postgres
PAS-407	Use of PAS header bar

Bridge 7.17.0



Contains xUML Runtime Version: [2021.9](#)
 Contains Bridge API Version: 2.13.0
 Contains Roles Version: 1.27

Bug	Description	Documentation Link
PAS-2335	Toast message for downloading dump file is displayed to late	
PAS-2268	Accessing a dump file deletes the file	
PAS-2242	Export Proxy Certificate button does not do anything	
PAS-2239	Stopping all xUML instances does not refresh view	
PAS-2181	Trace files (request and response) are not created	
PAS-2172	Deploy: Deploy.stateExecute(): NullPointerException	

PAS-1850	Running "npm install" completely blocks Console app	
Improvement	Description	Documentation Link
PAS-2315	Rollback xUML deployment for any kind of exception	
PAS-2132	Update Apache httpd to version 2.4.51	
PAS-2114	Update Tomcat to version 9.0.54	
PAS-2076	xUML Runtime 2021.9	
PAS-579	Update node v14	

Builder 7.18.0



Contains xUML Runtime Version: [2021.9](#)



Known Issues

Issue	Comment
PAS-1948	Builder 7.18.0 and Runtime 2021.9 are incompatible regarding the new flag Start up Must Succeed (fixed in Builder 7.20.0). The flag will be ignored.

Bug	Description	Documentation Link
PAS-2323	Multiple instances created on start event	
PAS-2270	NoResponseBody is missing RESTError stereotype	
PAS-2256	Unexpected end of file from server	
PAS-2254	Mapping diagram with arrays as input/output produces errors	
PAS-2156	Hieroglyphs in Analyzer installer text	
PAS-2131	MongoDB Alias "hosts" property gets lost on import into xUML Service	
PAS-2111	REST operation returning Blob is imported without out pin	
PAS-2103	Ignore log files when exporting angular application	
PAS-2102	Bug with get data while routing to same user-task	
PAS-2089	Array tagged values are not exported/imported with libraries	
PAS-2057	build:all script should not have task without forms	
PAS-2043	Warning displayed when re-importing a changed Swagger yaml	
PAS-2029	Watch-all does not work correctly with subforms	
PAS-1998	AliasReader does not work with "jsonWriteTypeDiscriminator" from REST Alias	
PAS-1934	Timer is not created correctly for start events	
PAS-1387	Buttons are not reseted after used in execution	
PAS-1382	Long service task operation does not switch to processing view	
PAS-892	Throw error if alias is missing on MongoDB adapter	
Improvement	Description	Documentation Link

PAS-2189	Support adapters on execution and mapping	
PAS-2152	Neutral color for completed instance toast message	
PAS-2109	Add base type operation to ClassOperation example	
PAS-2074	Use the hostname and client of the current system in README.md	
PAS-2062	add line/statement number in ActionScript FUNMISGE* compile errors	
PAS-2035	Show the task name in bold in processing view	
PAS-2030	Enable simple base type operations for Designer	
PAS-1999	Generate data model operations without implementation	
PAS-1980	Do not show start option if user/role is not permitted to start the process	
PAS-1947	Handle nested classes/interface in the datamodel	
PAS-1630	create links via npm commands	
PAS-1588	Check for spaces in names and report compiler error	
PAS-1563	Compiler warning: Found unused output object "rowsAffected" on MongoDB adapter	
PAS-1135	Use single daemon process for node.js commands	
PAS-488	Add 'ignoreHTTPErrors' to URL & SOAP Aliases	
PAS-461	Optimize repository size: get rid of htdocs/<service>-main.zip	
New Feature	Description	Documentation Link
PAS-2039	Add a state counter property in persisted	
PAS-1948	Abort startup if startup activity fails	
PAS-1835	Add deployment time in the traces	
PAS-1813	Download libraries in new format	
PAS-1650	Handle simple base operations used in activity diagram	
PAS-1323	Compile simple Activity Diagram	
PAS-489	Log additional keys (composite name, transaction ID) to custom channel	
PAS-442	Investigate up-to-date and cache possibilities for AngularInstallDependenciesTask and AngularBuildTask	

Designer 3.0.0

Bug	Description	Documentation Link
PAS-2276	Interfaces only allow abstract operations	
PAS-2248	Trigger event is lost during export/import	
PAS-2245	Instance list editable even if folder permission is set to read-only	
PAS-2243	Swapping columns of instance table	Configuring the Instance List
PAS-2227	Persisted variable id is not selectable	
PAS-2220	Operation pin names are not displayed	
PAS-2210	timeout attribute is lost during export/import	

PAS-2187	Changing style of label element	Label
PAS-2185	Image is not shown in the executed form	Image (Form)
PAS-2184	Date format doesn't change	Date Picker
PAS-2095	If no trigger events are selected for a User Task all should be sent to compiler	User Task
PAS-2084	Tooltip of execution context menu not displayed correctly	
PAS-2070	Role dialog: new role if something is typed in the field	Modeling Roles
PAS-2033	Import/export does not work	
PAS-2031	When clicking on export application the "Start exporting repository" pop up is shown	
PAS-2015	Add implementation-less operations to data model classes	
PAS-1972	Synchronization problems when creating parameters	
PAS-1959	Wrong spelling in German	
PAS-1956	Rename form name does not change attribute field on user task	
PAS-1949	Do not show subform in data model if no form is selected	
PAS-1922	Attribute Panel Refresh - Subform selection	
PAS-1909	No visible parameters when expand operation that contains many parameters	
PAS-1908	Panel Refresh after switch	
PAS-1889	Arrays are not shown on the parameter	
PAS-1862	Role is created even when action is cancelled	Modeling Roles
PAS-1853	When pasting object(s) to lane, parent relations are not created	Lane
PAS-1843	Service panel does not apply given permissions	Service Panel
PAS-1841	Cannot cut and paste services using hotkeys	
PAS-1792	Read-only function is not displayed correctly in form execution	Working with the Execution Editor
PAS-1564	Mandatory file upload element is not enforced at runtime	File Upload
PAS-1414	Support libraries with conflicting type names in the library caching system	Administrating Libraries
Improvement	Description	Documentation Link
PAS-2272	Enable base type operations in activity implementations	
PAS-1941	When copy a form element from one form to another do not change the name	
PAS-1722	Rename role editor options	Modeling Roles
PAS-1608	Control panel: Open Developer Portal REST test page	Controls Panel
PAS-1460	Create and integrate a new service-tree icon set for the designer	Service Panel
New Feature	Description	Documentation Link
PAS-2139	Operation pin objects	
PAS-1863	Use adapter operation with drag and drop in activity diagram	
PAS-1668	New Attribute panel field type for Alias selection	

PAS-1667	Enable creating Aliases	Aliases
PAS-1666	Allow nesting of DataModel Interfaces and Classes	Service Panel
PAS-1601	Provide all button click events for a form for the user task and boundary events	
PAS-1288	Activity Diagram Editor	Working with the Activity Editor

analytics-etl-service 1.3.0

Bug	Description	Documentation Link
PAS-1457	ETL-service shows a wrong state when executing calculations	
Improvement	Description	Documentation Link
PAS-367	Offer GUI to define attribute calculations	Using Calculated Metrics

authenticator-service 4.3.2

Bug	Description
PAS-1939	Authenticator drops connection to user-service

bpaas-backend 4.2.4

Improvement	Description	Documentation Link
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bpaas-editor 6.5.1

Bug	Description
PAS-2225	Structure of the search query incorrect when using digits: 'Path collision at project'
PAS-2144	Responsive Forms updates are not available in execution
PAS-1253	BPaaS editor not loading on pas-test

cron-manager-module 1.0.14

Improvement	Description
PAS-1450	Portal and modules must fetch the platform language from the user object

file-manager-module 1.1.10

Improvement	Description
PAS-1450	Portal and modules must fetch the platform language from the user object

file-storage 4.2.2

Improvement	Description
PAS-2293	Separate white- and blacklists for cdn and file router

PAS-46	file-storage: Optimize logging of image upload
Bug	Description
PAS-1513	Expected service-repo response differs from current

fluentd 1.2.2

Improvement	Description
PAS-2349	Upgrade Fluentd to v1.14

keycloak 1.1.5

Bug	Description
PAS-2336	Configure OTP site not rendered due to missing variable

logging-service 1.0.0

New Feature	Description
PAS-1684	Make use of new shared logging-service-common library
PAS-1326	Provide new logging service
PAS-30	Provide direct link for service log in kibana
Improvement	Description
PAS-1682	Mock elasticsearch calls for API testing

model-execution-service 3.4.1

Task	Description
PAS-1285	Update model-execution-service for fix of LIB-127

mongodb 1.4.0

New Feature	Description
PAS-1683	Add new required permissions for fetching logging urls
PAS-1557	Add new required permission container build and deploy

one-docker 21.2

Improvement	Description
PAS-2067	We need a new global container variable with the access token to Gitlab
PAS-1816	Adjust env settings for API management gateway
PAS-1317	Remove time-series-service and influxdb from deployment
PAS-1133	Disable option for repair service
Task	Description
PAS-1902	xUML service settings may get lost on system restart

Bug	Description
PAS-1938	Fix wrong internal logging path for service-repository
New Feature	Description
PAS-1463	Add new logging service to deployment

portal-app 1.4.2

Bug	Description
PAS-2049	Portal does not show UI when no language is defined for user
Improvement	Description
PAS-1798	Import new Service Manager v2.0.X into Portal
PAS-1450	Portal and modules must fetch the platform language from the user object
PAS-1118	Refresh Styling, Toasts and Texts of Portal, Main Modules and xUML Modules
New Feature	Description
PAS-1530	Use App Initializer with Plaform-Lib

service-manager-module 2.0.21

Bug	Description
PAS-2167	No direct access to Kibana when using quick action icon on containers
PAS-2166	Unnecessary scrollbar in json editor
PAS-2126	Start service wrong icon color
PAS-2100	Link to kibana is missing
PAS-1885	Multiple calls for getCurrentUser
Improvement	Description
PAS-2097	Remove unused description property
PAS-1869	Service Manager must reload page after deployContainer()-call was finished
PAS-1859	Service Manager must inject the service configuration into the xuml-settings and xuml-descriptions modules
PAS-1858	Fetch API-version in xuml-logging and xuml-persistent-state modules
PAS-1852	Add quick action dialogs for docker services of type xuml-service
PAS-1847	Modify the administration service so it does not logg an error in case no bridge is started.
PAS-1800	Remove Action Panel in Service Manager: Place actions on the right side of status label
PAS-1701	Change Service Manager panels to expansion panels
PAS-1450	Portal and modules must fetch the platform language from the user object
PAS-1136	Integrate logging module in service manager
PAS-1134	Integrate persistent state module in service manager
New Feature	Description
PAS-1462	Provide direct link for log entries in kibana
PAS-1410	Integrate settings module in service manager

PAS-1409	Integrate description module in service manager
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service-repository 5.0.0

New Feature	Description
PAS-1936	Support for organization override on deployment
PAS-1900	Make xUML rest services optionally not secured by a policy
PAS-1622	Integrate new service-repository-commons library
PAS-1549	Add new event handler for changing memory limits on custom containers
PAS-1546	Set default memory limit when deploying xuml docker service
PAS-1525	Add catalog for xuml docker images
PAS-1521	Use docker volumes when deploying a xuml docker service
PAS-1520	Create new handler method for deploy and register known xUML service
PAS-1214	Add new event handlers for building and deploying docker containers
Bug	Description
PAS-1935	Remove container volumes on xUML removal process
PAS-1901	Handler "getConfig" for xUML services returns first found tag
PAS-1801	Container name not correctly checked for duplicate
PAS-1766	Some settings not copied when re-create container
PAS-1690	Recreate drops already set env vars
PAS-1538	Fluent log driver not working for xuml docker services
Improvement	Description
PAS-1847	Modify the administration service so it does not log an error in case no bridge is started.
PAS-1522	Add default xuml image to be used in config

user-service 6.2.4

Bug	Description
PAS-1482	user-service template upload doesn't work with new service-repository and ServiceConfig

xUML Runtime 2021.9

Improvement	Description	Documentation Link
PAS-2050	Update certificate bundle	
PAS-2042	Update OpenSSL to 1.1.1l	
PAS-2027	Update libSSH2 to 1.10.0	
PAS-2026	Update SQLAPI to 5.1.6	
PAS-1962	Update curl to 7.79.1	
New Feature	Description	Documentation Link
PAS-1984	Log additional keys (composite name, transaction ID) to custom channel	

PAS-1677	Allow calling base operations from outside Action Script	
PAS-1600	Abort startup if startup activity fails	
PAS-322	Support for SAP INT8 type	

xuml-library-repository-service 3.0.0

Improvement	Description
PAS-1945	Change names to interfaceRealization
New Feature	Description
PAS-1812	turn lrep to new library format
PAS-1808	new descriptor for libraries