

PAS 21.1 Release Notes



Dependencies and Migration Notes

The following bugfixes and features have dependencies or are subject to migration.

PAS Version	Component	Note								
PAS 21.1.4	Bridge 7.15.0	The Bridge throws a HTTP error 500 on startup of xUML services that contain services other than SOAP , HTTP and REST (fixed in Bridge 7.15.1).								
	Builder 7.16.0	PA S-418	Reimporting OpenAPI over an import from an older version will produce orphan proxies.							
		PA S-898	Ordering of HTTP header roles (incoming and outgoing) has been fixed. This may influence setting names. If header roles have been changed via settings, we advise to check if they are still correct.							
	xUML Runtime 2021.7	Due to changes regarding the response content type for traces, you need to update to Builder 7.16.0 and Analyzer 7.15.1 when using this xUML Runtime.								
PAS 21.1.2	xUML Runtime 2021.5	ZIP adapter: Action unzip disregards the overwrite parameter and does not overwrite existing files.								
PAS 21.1.1	xUML Runtime 2021.4	As of this Runtime version, CentOS 6 and RedHat 6 are no longer supported.								
		ZIP adapter: Action unzip disregards the overwrite parameter and does not overwrite existing files.								
		PA S-264	On Linux the new library version causes change of precision in floating point values. Example differences that may occur:							
			<table><tr><th>Old</th><th>New</th></tr><tr><td>123456789012346.7</td><td>123456789012346.703125</td></tr><tr><td>65.4300000000000007</td><td>65.4300000000000006821210263296962</td></tr><tr><td>-0.222</td><td>-0.222000000000000000288657986402541</td></tr></table>		Old	New	123456789012346.7	123456789012346.703125	65.4300000000000007	65.4300000000000006821210263296962
Old	New									
123456789012346.7	123456789012346.703125									
65.4300000000000007	65.4300000000000006821210263296962									
-0.222	-0.222000000000000000288657986402541									
mysql 1.2.1	PA S-366	We fixed an error that in some cases mysql could not be initialized correctly.								

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 - elasticsearch 1.1.0
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 - mysql 1.2.3
 - portal-app 1.2.0
 - user-service 6.2.2
 - xUML Runtime 2021.6

PAS 21.1.5 (02.09.2021)

Bridge 7.16.0



Contains xUML Runtime Version: [2021.8](#)
Contains Bridge API Version: 2.13.0
Contains Roles Version: 1.27

Bug	Description
PAS-1765	Error when going to proxy configurations but there is no proxy entry
PAS-1009	Error in Bridge during startup: Failed to load class "org.slf4j.impl.StaticLoggerBinder"
Improvement	Description
PAS-1759	Update Tomcat to version 9.0.52
PAS-1748	xUML Runtime 2021.8
PAS-1706	Logging and Tracing for the Bridge API

Builder 7.17.0



Contains xUML Runtime Version: [2021.8](#)

Bug	Description
PAS-1848	Replace dashes and spaces in project name when using in angular file/project names
PAS-1767	Angular build is blocked by another build with timeout
PAS-1762	Angular process cleanup issue
PAS-1693	Error deploying a project - Type 'Timeout' is not assignable to type 'number'
PAS-1681	Subproject watcher is missing package.json scripts
PAS-1604	Compiler crash if REST Adapter has multiple "AdapterResponse" outputs
PAS-1550	Total instance count on the instance list is wrong
PAS-1395	Service version number breaks compilation
Sub-task	Description
PAS-1764	uml.helper changes
PAS-1719	uml.helper changes
PAS-1700	uml.helper changes
PAS-1694	uml.helper changes: add xuml:id attribute on printed uml elements when possible
New Feature	Description
PAS-1672	Refactor id attribute from designer element with xuml namespace
PAS-1649	Only compatible base types operations should be send to designer
PAS-1647	Json example for REST Stereotypes
PAS-1467	Handle Base types operations in mapping/execution
PAS-1385	Make base type operations accessible in the mapping diagram
PAS-1368	Json structure for Activity Diagram
Improvement	Description
PAS-1631	Better error toast message
PAS-1627	Return count for all roles
PAS-1398	Clear angular workspace from removed element
PAS-455	Go back to instance list in case of 404 or status Done

- [PAS 21.1.2 \(31.05.2021 \)](#)
 - [admin-app 6.5.1](#)
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 - [bpaas-editor 6.3.0](#)
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 - [file-storage 4.2.0](#)
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 - [mongodb 1.3.1](#)
 - [mysql 1.2.2](#)
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 - [xuml-process-monitor 1.0.0](#)
 - [API Developer Portal 7.7.1](#)
 - [Bridge 7.13.0](#)
 - [Builder 7.14.0](#)
 - [Designer 2.2.0](#)
 - [xUML Runtime 2021.5](#)
- [PAS 21.1.1 \(04.05.2021\)](#)
 - [admin-app 6.5.0](#)
 - [mysql 1.2.1](#)
 - [ldap-auth-service 4.0.1](#)
 - [xuml-tool 1.2.0](#)
 - [Bridge 7.12.0](#)
 - [Builder 7.13.0](#)
 - [Designer 2.1.0](#)
 - [xUML Runtime 2021.4](#)

Cockpit 4.3.0

Improvement	Description
PAS-1640	Polymer 1 - Minor update
PAS-503	Calculated Attributes of Duration Type

Designer 2.5.0

Bug	Description
PAS-1846	Triggering a service export also triggers an export of the contained model
PAS-1837	Share item does not work from Explorer tree
PAS-1795	Erroneous behavior of export in Explorer
PAS-1781	Error logs if data model is updated and there are no models open
PAS-1780	Service name change does not update tab label
PAS-1775	Overview and Search panel do not appear
PAS-1772	Delete Save/Cancel buttons from service properties
PAS-1761	Deployment: Toast message "Deploying the service" does not disappear
PAS-1750	Large number of bridgeGetUiUrl calls are being made
PAS-1749	Designer application cannot be started from angular project
PAS-1747	Form attribute blinks when clicking on user task
PAS-1746	Error message pops out in console when starting
PAS-1718	Change "Styles" context menu option in Controls panel
PAS-1712	Instance table name is shown in the recent models
PAS-1633	Deleting the last service in a folder doesn't change the active tab properly
PAS-1623	User can move around BPMN items in a service that he has no edit permissions for
PAS-1619	Lane: Distribute horizontal disturbs other alignment operations
PAS-1589	Sub-form button does not trigger the form send
PAS-1504	Synchronization problems between data model and mapping diagram
PAS-1412	Export and Import functionality not given anymore in the new service panel
PAS-1396	Library not displayed in model after being imported
PAS-1386	Do not show instance table as an option for the user task Form attribute
PAS-1335	Error when triggering deployment causes misunderstanding
PAS-1334	File upload element validation
PAS-1180	Show grouping header at runtime
PAS-113	Toast message does not disappear
Improvement	Description
PAS-1806	Visual improvements of the tabs
PAS-1805	Add icons to all tabs (service, form, BPMN, Action Script, etc)
PAS-1776	Service page: description edit button
PAS-1770	Rearranging mapping arrows
PAS-1752	Add ccsClass attribute to form
PAS-1751	Finalize the service setting translations and tooltips

PAS-1745	Only expand the explorer pane if no service is opened
PAS-1739	Refreshing the recent-service-node instantly
PAS-1738	Service page: breadcrumb navigation read-only
PAS-1714	Service page: edit service properties
PAS-1713	Service page: remove application and manage service
PAS-1696	Add tool tip for "Organization" in service settings
PAS-1642	Remove administration from user menu
PAS-1603	Initially open the last open service and add recent services to node tree
PAS-1594	Updating projectOpenModels object after deleting/creating a service
PAS-1587	Changing a persisted value name does not affect column in instance table
PAS-1548	Enable Service tab panel functionalities
PAS-1547	Implement model subfolder creation and deletion in the Service panel
PAS-1481	Drag and drop columns shall only be possible on markers
PAS-1473	Rework the popup Service tree
PAS-1424	Update the Service panel structure and design
PAS-1423	Finalize the Service panel functionality
PAS-1422	Change panel behavior
PAS-1421	Enable library functionalities on the Service panel
PAS-1420	Reorganize the Service panel structure
PAS-1236	Use bearer to deploy via compiler
PAS-1177	Improve order of form element attributes
PAS-934	Color and UI redesign
PAS-569	Redesign the explorer/project structure
PAS-241	Get rid of Bridge user/password configuration
PAS-240	Add static Explorer/Administration icons to open the views
New Feature	Description
PAS-1777	Use an environment variable for the API Management realm
PAS-1624	Additional changes to the Service panel model handling
PAS-1599	Provide a possibility to configure the pagination for a data table
PAS-1598	New attributes for add/remove rows
PAS-1596	Create a new parameter "Editable" in the column configuration dialog
PAS-1466	Handle operations in Base Types
PAS-1322	The data table form element needs to be send to the compiler
PAS-1321	Create a data model for the data table element
PAS-1268	Implement add and delete model functionality on the Service panel
PAS-1267	Synchronize the width of all application side panels
PAS-1266	Use platform communication library for some API calls
PAS-1222	Add the data table element to the forms designer
PAS-1147	Save open tab data to the user extension
PAS-1146	Create the Service Control panel

PAS-1145	Move the admin tab into the new tab section
PAS-1144	Create the new ServiceDetail tab type
PAS-1143	Rework the tab system
PAS-1142	Add support for the new Service panel to the panel system
PAS-1141	Add the BPMN models and Forms to the Service panel
PAS-1140	Remove the elements from the explorer tree
PAS-1139	Move the explorer tree into a slide-out panel
PAS-1088	Make it possible to set the horizontal alignment for image element
PAS-158	API Management Integration
PAS-149	Secure API with a policy (API Management)

admin app 6.5.2

Improvement	Description
PAS-1763	Let keycloakId be editable
PAS-1640	Polymer 1 - Minor update
PAS-503	Calculated Attributes of Duration Type

analytics-etl-service 1.2.1

Improvement	Description
PAS-1501	Calculated Attributes: Add operator for division
PAS-1500	Calculated Attributes: Add operator for multiplication
PAS-503	Calculated Attributes of Duration Type

authenticator-service 4.3.1

Bug	Description
PAS-1705	It is not possible to connect to the server

bpaas-backend 4.2.3

Bug	Description
PAS-1480	mongocache clear is not working anymore
PAS-518	Error when loading the transitive closure occurs repeatedly when running new apps
Task	Description
PAS-1104	We have different versions of database-provider in bpaas-backend only one should be used

bpaas-editor 6.5.0

Bug	Description
PAS-1527	Column sorting in Applink (multiple) not possible

PAS-1346	Property in table element is linked to but not applied
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elasticsearch 1.1.1

Bug	Description
PAS-1404	Deprecated messages in elasticsearch logs

fluentd 1.2.1

Bug	Description
PAS-1707	Fluentd not working in dev/pas-release

form-designer-app 4.3.1

Improvement	Description
PAS-1640	Polymer 1 - Minor update

keycloak 1.1.4

Improvement	Description
PAS-1757	Fix Email-Addresses for internal users in keycloak

nginx 1.1.4

Improvement	Description
PAS-1617	Update scheer-proxy to nginx 1.21.x

one-docker 21.1.5

Bug	Description
PAS-1042	Add script for Bpaas-Backend configuration (Installation)

portal-app 1.3.1

Bug	Description
PAS-1574	Tiles should be rendered accordingly and detect display size

redis 1.2.0

Improvement	Description
PAS-1867	Update scheer-redis version

service-repository 4.4.4

Improvement	Description
PAS-1861	Set version of service-repository to 21.1.5

xUML Runtime 2021.8

Bug	Description
PAS-290	SOAP 1.2 server responds with SOAP 1.1 Fault

PAS 21.1.4.1 (09.08.2021)

Bridge 7.15.1

Bug	Description	Documentation Link
PAS-1679	Bridge throws 500 Error for E2EScheduler and E2ETimer	

PAS 21.1.4 (31.07.2021)

API Developer Portal 7.8.0

Improvement	Description	Documentation Link
PAS-1366	Use new PAS Header in API Mgmt Applications	
PAS-1429	Update versions to improve security	

API Management 7.9.0

Bug	Description	Documentation Link
PAS-1486	Plugin Policies do not work after update	
Improvement	Description	Documentation Link
PAS-1365	Use new PAS Header in API Mgmt Applications	

authenticator-service 4.3.0

New Feature	Description	Documentation Link
PAS-1265	Store keycloak grant in cookie after initial login	

Bridge 7.15.0



Known Issues

The Bridge throws a HTTP error 500 on startup of xUML services that contain services other than SOAP, HTTP and REST (fixed in Bridge 7.15.1).

Bug	Description	Documentation Link
PAS-1444	Avoiding "internal" SOAP requests on local node causes IllegalArgumentException in Bridge domain setups	
PAS-1451	BRIDGE API: uiInfo is missing in /services/xuml/{name}/info	
PAS-1578	Exception in Bridge start-up LoggerConfigConfigurator	

Improvement	Description	Documentation Link
PAS-572	Configure JSON logging for xUML services	
PAS-1607	xUML Runtime 2021.7	

Builder 7.15.1

Bug	Description	Documentation Link
PAS-1359	Analyzer does not accept "application/xml" as a response from the Runtime	

Builder 7.16.0



The following bugfixes and features have dependencies or are subject to migration.

Issue	Comment
PAS-418	Reimporting OpenAPI over an import from an older version will produce orphan proxies.
PAS-898	Ordering of HTTP header roles (incoming and outgoing) has been fixed. This may influence setting names. If header roles have been changed via settings, we advise to check if they are still correct.

Bug	Description	Documentation Link
PAS-418	OpenAPI Importer: operation xmi:id is not stable on re-import	
PAS-898	HTTP header handling rules regarding composite/REST service not consistent	
PAS-1332	Calling service instance via REST responds an empty object	
PAS-1344	Instance List is always empty	
PAS-1370	Role names are restricted to action script syntax	
PAS-1519	JSON userManager example throws error at startup in embedded Runtime	
PAS-1542	Export repository will always fail if no form is selected in subform element	
PAS-1553	Deploy service is not working due to error in generated app	
PAS-1575	Null pointer exception can come if library with base components	
PAS-1616	Update "content-type" to lower case in UIFileUpload example	
Improvement	Description	Documentation Link
PAS-454	Persisted state database configuration	
PAS-656	Add the count of instances in the roles buttons	
PAS-941	Improve "progress view" in designer application	
PAS-1194	Better errors when an operation is not found during WithReferenceTask	

PAS-1220	ResolveIdTask should handle idref with #	
PAS-1221	Use idref and constants in xsdt with base components	
PAS-1223	Generic Copy/Substitution task from template project	
PAS-1274	Interface XUMLogFilter trx_level faulty	
PAS-1294	Avoid unwanted warning messages	
PAS-1336	generate .gitignore, .npmrc, .dockerFile file to the compiled angular application	
PAS-1375	Create proxy conf for local development	
PAS-1401	Watcher on Subprojects	
PAS-1503	Generate all SQL aliases connected to the component	
PAS-1529	Run Linux Analyzer without changing start script	Installing the Analyzer on Linux
New Feature	Description	Documentation Link
PAS-924	Define json for foreach index element	
PAS-925	Compile mapping foreach index element	
PAS-969	Show the configured columns in the instance table on runtime	
PAS-1279	Link a subform library in the main form and show it on execution	
PAS-1338	Library descriptor json document classes	
PAS-1339	Add library dependencies in generated package.json	

Designer 2.4.0

Bug	Description	Documentation Link
PAS-56	Image element: Target URL field should be an url field not an upload field	
PAS-126	Vertical alignment is not working in the execution.	
PAS-986	pas-test: error message when opening application	
PAS-1206	Execution tab name in "older" models partly wrong	
PAS-1282	Send to Back / Bring to Front not working properly in BPMN Diagram	
PAS-1297	Reading instance table from database	
PAS-1312	Attribute css class for upload element is not set in execution	
PAS-1316	Highlight execution element does not work	
PAS-1329	Mandatory attribute is missing on Text area elements	
PAS-1333	Missing asterisk character in file upload element label	
PAS-1349	Can not overwrite the type of the return parameter in the getData execution	
PAS-1352	Column configuration modal - hidden field checkboxes not rendered properly	
PAS-1373	User can add/remove execution of a service that he has no edit permissions for	
PAS-1378	Updating label doesn't work after saving it in the column configuration modal	

PAS-1381	Library panel: Moving Message package and its content	
PAS-1394	Importing and exporting a service to another namespace angular errors	
PAS-1400	Model does not validate anymore on reopening it in new release	
PAS-1475	Label element: Styling not taken into account	
PAS-1478	Reading the application version sometimes shows an error in the console	
PAS-1531	FormDatePicker different order of attributes in different languages	
PAS-1541	Exceptions throwing when creating form and bpmn model	
PAS-1566	The instance list projectId is not retrieved correctly	
PAS-1581	Issues sending Instance List form models to the compiler	
PAS-1585	Unset the hidden flag for the initial columns current task and instance id	
Improvement	Description	Documentation Link
PAS-585	Show last used roles in autocomplete	
PAS-586	Possibility to create a new role	
PAS-917	Index in for-each	
PAS-973	Delete Save and Clear button from parameter dialog	
PAS-1020	We should be able to set a subLane even if there are elements	
PAS-1111	Lane: cursor movement and alignment operation	
PAS-1113	Further UI wording adjustments	
PAS-1116	Add new execution model type - Decision	
PAS-1269	Create migration script to add Roles attribute to old Lanes	
PAS-1307	Show Help Icons behind service properties	
PAS-1435	Migration script instance table naming	
PAS-1436	Renaming BPMN model should rename the Instance Table	
PAS-1512	Service communication issues on Vagrant and pas-test	
PAS-1516	Remove link attribute from user task	
New Feature	Description	Documentation Link
PAS-926	Send index foreach element to compiler	
PAS-967	Create a screen for the instance table	
PAS-968	Create a view to configure the column model of an instance table	
PAS-1230	Create a new form element for the subform element	
PAS-1232	Use the datamodel of the subform element in the mainform	
PAS-1377	Show the instance view tab name together with an appropriate icon	

keycloak 1.1.3

Bug	Description	Documentation Link
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PAS-1517	Registration form style broken	
Improvement	Description	Documentation Link
PAS-510	Add icon to make password on login page visible	
PAS-513	Refactor login page using plain JS	

mongodb 1.3.2

New Feature	Description	Documentation Link
PAS-1472	Create new profile for using the xuml-monitoring capabilities	

one-docker 21.1.4

New Feature	Description	Documentation Link
PAS-1471	Add new xuml-monitoring capability in base setup	

portal-app 1.3.0

New Feature	Description	Documentation Link
PAS-404	Integrate xUML Service Monitor as external module to management console	

user-service 6.2.3

Bug	Description	Documentation Link
PAS-1502	user-service "isBpaasUser": false not working	

xUML Runtime 2021.7



Due to changes regarding the response content type for traces, you need to update to Builder 7.16.0 and Analyzer 7.15.1 when using this xUML Runtime.

Bug	Description	Documentation Link
PAS-1342	xUML Runtime API: service crashes when calling /pstate /objects/{objectId}/states for an existing {objectId}	
PAS-1448	ZIP Adapter: Runtime crashes if basePath is empty	
PAS-1536	xUML Runtime API: service crashes when calling /pstate /classes/{class}/queryObjects	
Improvement	Description	Documentation Link
PAS-1032	Update curl to 7.78.0	

xuml-monitoring-service 1.0.0

New Feature	Description	Documentation Link
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PAS-1470	Create initial docker image for xuml-monitoring-service	
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xuml-monitoring-ui 1.0.0

Bug	Description	Documentation Link
PAS-1572	Some Labels not showing in UI	
New Feature	Description	Documentation Link
PAS-1469	Create initial docker image for xuml-monitoring-ui	

xuml-tool 1.3.0

New Feature	Description	Documentation Link
PAS-1341	Add new method for printing repository details	

PAS 21.1.3 (30.06.2021)

activity-service 2.3.0

New Feature	Description	Documentation Link
PAS-1018	Create migration script for transferring time series data to mongodb	

API Management 7.8.0

Bug	Description	Documentation Link
PAS-899	API Management logs do not show up in kibana	
PAS-1004	API Catalog does not download BRIDGE Swagger/WSDL files correctly	
Improvement	Description	Documentation Link
PAS-599	Change Logger Configs for UI and Gateway	
New Feature	Description	Documentation Link
PAS-406	Click on the PAS Logo should bring you to the portal home	
PAS-904	Create a gateway configuration to run the gateway in a DMZ	

authenticator-service 4.2.2

Improvement	Description	Documentation Link
PAS-929	Authentication between backend service and API Management	

Bridge 7.14.0

Improvement	Description	Documentation Link
PAS-1303	xUML Runtime 2021.6	

Builder 7.15.0

Bug	Description	Documentation Link
PAS-474	REST Adapter: blobBodyContentType not written to tabfiles	
PAS-897	loggerConfig.json does not log anything	
PAS-1125	pas-rc: Second form in process not executed	
PAS-1178	errors in log action scripts of default activities	
PAS-1195	Array parameters from library not handled correctly	
PAS-1202	Error on get request due to roles arrays concat	
PAS-1224	Missing translation in compiled app	
PAS-1261	If no explicit authorization everyone should be allowed	
PAS-1276	for-each mapping throws errors if mapping operation is used	
Improvement	Description	Documentation Link
PAS-462	Use SSO to deploy to the Bridge	
PAS-491	Control emitting type discriminator when serializing to JSON	classToJSON() Operation jsonToClass() Operation
PAS-493	Preset HTTP Service Base Maximum Connections in xUML model	
PAS-587	Define Lanes and roles in json structure	
PAS-589	Generate security module with roles	
PAS-591	Check roles in task requests	
PAS-644	Instance list request filter regarding if current user has role with list right on current element	
PAS-646	Add counts per role in get process instance list	
PAS-650	Add a selection step if two parallele usertask	
PAS-651	Show form or default view of task regarding the roles	
PAS-653	Return roles UUID in process meta request	
PAS-654	Retrieve roles UUIDs from metadata request	
PAS-655	Add the possibility to view the instance list by role	
PAS-724	REST Adapter: remove warning about unused output body parameter if AdapterResponse is used	
PAS-923	Generate friendly setting names for setting classes with special characters	
PAS-991	Use route guards	
PAS-1157	xUML API health check endpoint compatible with Kubernetes	
PAS-1219	Add creation and lastUpdate in process meta	

New Feature	Description	Documentation Link
PAS-66	Include linked CSS to the angular project	
PAS-441	Provide Form elements types to the designer	
PAS-506	REST service endpoint accepting input body of type Blob	
PAS-645	Possibility to query instance list by role	
PAS-943	Extend/Provide an interface to send css links to the compiler for the angular app	
PAS-1150	ZIP Adapter: (de-)compression with password	• ZIP Adapter • ZIP Adapter Reference
PAS-1153	provide roles to SecurityService	
PAS-1154	add authorizations in process module	
PAS-1168	Operations: classToExtendedJSON() /extendedJSONToClass()	• classToExtendedJSON() Operation • extendedJSONToClass() Operation

Designer 2.3.0

Bug	Description	Documentation Link
PAS-1026	Problems when adding boundary events in lane	
PAS-1028	pas-doc: Images not displayed in form	
PAS-1029	Paste issue when row is full	
PAS-1093	Grouping element uses multiple types of relations	
PAS-1103	Paste data model items to invalid parent	
PAS-1109	File upload: property in message class is missing	
PAS-1110	Lane: boundary events trigger validation error	
PAS-1120	Upload element can only upload to sandbox_support.is profile	
PAS-1159	Execution diagram remains shown when it should be empty	
PAS-1172	0 options shown after adding some options in select field / radio button group modal	
PAS-1174	Initial deletion upon opening the designer/explorer is not possible with "Del"-key	
PAS-1199	Execution pane: Blue "active" frame not completely displayed	
PAS-1204	Attributes Panel shows wrong content when switching between model and form	
PAS-1208	Not possible to adjust label layout attribute	
PAS-1252	Issue when importing old zips into pas-designer	
PAS-1254	Set the default layout for the user when opening the application	
PAS-1262	Unable to place BPMN elements / to modify Data Model	
PAS-1292	Added objects are not being displayed	

PAS-1305	Bad message type in a message start event, message intermediate event, receive task	
PAS-1315	Zooming and scaling buttons are not clickable	
Improvement	Description	Documentation Link
PAS-79	Forms: cancel drag	
PAS-85	Fix the performance issue in the layout-content-form.component.html template	
PAS-100	Select predefined CSS	
PAS-214	Import should support old format versions	Exporting and Importing Explorer Contents
PAS-216	Allow object flow from operation output pins to multiple targets	
PAS-573	Roles attributes for bpmn lanes	
PAS-588	Send lanes and roles to compiler	
PAS-759	Adapt validation error selection for the execution changes	
PAS-776	Execution diagram: Rework the changing of message /return types when the form attribute changes	
PAS-1117	Sort execution tabs	
PAS-1183	Default sequence flow should have no execution	
PAS-1217	Initial color redesign	
PAS-1259	Style issue by checkbox element	
PAS-1290	Rework the import version comparison logic	Exporting and Importing Explorer Contents
New Feature	Description	Documentation Link
PAS-160	Show a red X as icon in the panel title if we have validation errors	
PAS-944	Send the CSS data for a project/service to the compiler	
PAS-967	Create a screen for the instance table	
PAS-1081	Create a context menu entry for "Edit Instance view"	
PAS-1189	Create a template css that can be choosen for the generated angular application	

elasticsearch 1.1.0

Bug	Description	Documentation Link
PAS-1404	Deprecated messages in elasticsearch log	
Improvement	Description	Documentation Link
PAS-952	Update Opendistro to latest version because of new Rollup feature	

kibana 1.1.0

Improvement	Description	Documentation Link
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PAS-952	Update Opendistro to latest version because of new Rollup feature	
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mysql 1.2.3

Bug	Description	Documentation Link
PAS-366	Tables are not added to the dashboard database during first installation	

portal-app 1.2.0

Improvement	Description	Documentation Link
PAS-1137	Create tags and ID for file-manager-module	
PAS-1291	Search Bar of Portal must consider module subtitles and descriptions	
New Feature	Description	Documentation Link
PAS-963	Enhance UI experience	
PAS-964	Create tags and ID for service-manager-module	
PAS-965	Create tags and ID for cron-manager-module	
PAS-966	Create tags and IDs for other external modules	

user-service 6.2.2

Bug	Description	Documentation Link
PAS-1035	user-service doesn't wait for keycloak	
Improvement	Description	Documentation Link
PAS-1165	Reduce audit logs in user-service	

xUML Runtime 2021.6

Bug	Description	Documentation Link
PAS-1155	ZIP Adapter: unzip action does not overwrite files regardless the 'overwrite' parameter	
PAS-894	REST Adapter does not send proper Accept header when expecting Blob responses	
PAS-260	using blobBodyContentType on adapter call leads to RESTLM-19 during runtime	
Improvement	Description	Documentation Link
PAS-1283	Control emitting type discriminator when serializing to JSON	
PAS-556	Upgrade SQLAPI to 5.1.4	
PAS-267	xUML API health check endpoint /api/isAlive	xUML Runtime API Reference
PAS-265	Enable ZIP-Adapter to compress/decompress using password	

New Feature	Description	Documentation Link
PAS-1169	Operations: classToExtendedJSON() /extendedJSONToClass()	

PAS 21.1.2 (31.05.2021)

admin-app 6.5.1

Bug	Description	Documentation Link
PAS-527	After deleting a Calculated Attribute it should be removed from the list automatically	Editing Calculated Metrics

authenticator-service 4.2.1

New Feature	Description	Documentation Link
PAS-643	Forward userinfos in header	
Bug	Description	Documentation Link
PAS-4	authenticator-service: loses connection to user-service	
PAS-978	[SECURITY] Some Cookies in Auth-Service haven't the secure flag	
PAS-1027	Authservice sets cors headers wrongly ... and doesn't handle service-level configuration flags correctly	

bpaas-backend 4.2.2

Bug	Description	Documentation Link
PAS-399	Error when displaying instance tables "Default size for table page"	
PAS-1102	Update bpaas-backend and model-execution-service	

bpaas-editor 6.3.0

New Feature	Description	Documentation Link
PAS-383	Integrate uploaded modules to bpaas-editor/model-execution-service on startup	

file-manager-module 1.1.0

Improvement	Description	Documentation Link
PAS-385	Create a ui for the cdn part of the file-storage	Managing File Resources
PAS-951	Show an improved message when the file is too large for upload	

PAS-958	Show the file-upload options on one page	Managing Files
PAS-977	Show warning for special characters in filename	Managing Files

file-storage 4.2.0

Improvement	Description	Documentation Link
PAS-5	Extend the file-storage api for cdn	
Bug	Description	Documentation Link
PAS-956	Can not DELETE or GET a file from file-storage cdn part	

model-execution-service 3.4.0

New Feature	Description	Documentation Link
PAS-383	Integrate uploaded modules to bpaas-editor/model-execution-service on startup	
Bug	Description	Documentation Link
PAS-1102	Update bpaas-backend and model-execution-service	

mongodb 1.3.1

New Feature	Description	Documentation Link
PAS-6	Integrate ETL Light Monitor as external module to management console	

mysql 1.2.2

New Feature	Description	Documentation Link
PAS-6	Integrate ETL Light Monitor as external module to management console	

portal-app 1.1.0

New Feature	Description	Documentation Link
PAS-6	Integrate ETL Light Monitor as external module to management console	
Improvement	Description	Documentation Link
PAS-385	Create a ui for the cdn part of the file-storage	Managing File Resources
PAS-770	Administration can not handle unknown service types	
Bug	Description	Documentation Link
PAS-26	Services fail to register at service-repository and do not restart automatically	

user-service 6.2.1

Improvement	Description	Documentation Link
PAS-567	Cut trailing slashes for permission checks	

xuml-process-monitor 1.0.0

New Feature	Description	Documentation Link
PAS-1014	Update runtime due to style issues	

API Developer Portal 7.7.1

New Feature	Description	Documentation Link
PAS-597	Designer Integration - Use JWT for Public APIs	

Bridge 7.13.0

Bug	Description	Documentation Link
PAS-996	Restart proxy after creating a new self-signed certificate	Renewing the Self-signed Proxy Certificate
PAS-1008	Services applies still old setting after global setting variable was changed (introduced 7.11.0)	

Builder 7.14.0

New Feature	Description	Documentation Link
PAS-881	New MongoDB example	MongoDB Adapter
PAS-931	Compiler task hooks	
PAS-932	Compiler TraceCompileControl	
PAS-933	Abort Compile mechanism	
Improvement	Description	Documentation Link
PAS-453	Return 404 if instance does not exists	
PAS-458	Differentiate compile and build process	
PAS-459	Angular form trigger the transition regarding the event	
PAS-839	Add counts in get process instance list	
PAS-945	Use new app-theme version	
PAS-946	local service configuration	
PAS-947	umd module ids	
PAS-962	Retrieve user from platform and use user component	
PAS-990	Remove stereotype <<RESTParameter>> from activity parameter nodes in REST template	
PAS-995	Use data list and table element	
PAS-1013	Use new notification service and snackbar	

Bug	Description	Documentation Link
PAS-714	Alias Reader complains on unset Alias properties inherited from Alias Template	
PAS-766	Compiling forms returns unexpected errors	
PAS-858	Show available traces only works after clicking around	
PAS-877	Text area: compile error if you use multi line text	
PAS-914	Mapping simple type pin to parameter produces errors	
PAS-979	Pin handling with MongoDB adapter buggy	

Designer 2.2.0

New Feature	Description	Documentation Link
PAS-26	Services fail to register at service-repository and do not restart automatically	
PAS-61	Create grouping element	Grouping
PAS-408	Designer: Click on the PAS Logo should bring you to the portal home	
PAS-409	Designer: Use of PAS header bar	
PAS-568	Add new element lane	Lane
Improvement	Description	Documentation Link
PAS-78	Adjust file upload buttons to be consistent	
PAS-80	Read-only - Input fields	
PAS-95	Image element attribute "keep aspect ratio" should be checked as default	
PAS-173	Update user extension configuration when PAS Designer is opened by a user	
PAS-181	Possibility to expand the current operation in the service panel	
PAS-222	Link datamodel to form	
PAS-223	Enable collaboration for all parts	
PAS-495	File upload element	File Upload
PAS-740	Technical designation in the designer file is incorrect	
PAS-754	Use same wording in all deletion dialogs	
PAS-773	Execution diagram: styling and naming execution tabs	Modeling Execution > Execution Pane Contents
PAS-873	Some success messages are wrong	
PAS-896	Refactor the execution model switching logic	
PAS-961	Improve German display in Designer	
PAS-1019	Remove connectors of lanes	
Bug	Description	Documentation Link
PAS-107	Actual name of Library tree element marked as erroneous upon edit	
PAS-112	Two pixels missing in border width	

PAS-121	Mapping Editor: Scale 100 and fit model to canvas behave not as intended	
PAS-777	Undo on BPMN not possible in some combinations with the Execution model creation	
PAS-789	Empty parameter name	
PAS-893	Changes symbolType translations	
PAS-895	Action Script changes are lost if the tab is closed	
PAS-905	After deleting execution it is still visible	
PAS-906	Message type is any although form is selected	
PAS-915	Import of Designer service fails	
PAS-940	Execution diagram content is not always created /displayed	
PAS-960	Context menu issues #1	
PAS-974	Context menu issues #2	
PAS-975	Context menu issues #3	
PAS-999	Implementation model incorrect class assignment after DataModel cut/copy	
PAS-1024	Drag & drop on the grouping element doesn't work well in Firefox	
PAS-1085	Compiling group elements fails	
PAS-1114	Decision can not be compiled	

xUML Runtime 2021.5



Known Issues

ZIP adapter: Action **unzip** disregards the **overwrite** parameter and does not overwrite existing files.

Improvement	Description	Documentation Link
PAS-988	Improve pas-blue theme (details button and font in selection lists)	

PAS 21.1.1 (04.05.2021)

admin-app 6.5.0

Bug	Description	Documentation Link
PAS-765	Deleting a calculated attribute in Firefox does not work	Editing Calculated Metrics
PAS-531	user_management_admin profile grants not access to user management	Overview of Standard Profiles
PAS-751	Disable automatic activation of the designer checkbox when assigning a profile	

mysql 1.2.1



The following bugfixes and features have dependencies or are subject to migration.

Issue	Comment
PAS-366	We fixed an error that in some cases mysql could not be initialized correctly.

Bug	Description	Documentation Link
PAS-366	Tables are not added to the dashboard database during first installation	

ldap-auth-service 4.0.1

Bug	Description	Documentation Link
PAS-3	Synchronized groups won't get assigned to users	

xuml-tool 1.2.0

Improvement	Description	Documentation Link
PAS-55	control tool log level (default = info)	

Bridge 7.12.0

Improvement	Description	Documentation Link
PAS-744	Hardening: Apache Proxy: HSTS	
PAS-745	Hardening: Tomcat: Diffie Hellman Key Exchange	
PAS-743	Hardening: Apache Proxy: TraceEnable off	

Builder 7.13.0

Bug	Description	Documentation Link
PAS-767	Compiler returns errors if no post execution is present	
PAS-512	XSLT Exception if none of REST Tags used within a REST Port Type has 'order' assigned	
PAS-424	Null values coming from designer are wrong passt to control	
PAS-425	Compiling Angular returns compiler error "Compiling es2015 as esm2015"	
PAS-828	Compile errors when start and event is missing	
Improvement	Description	
PAS-450	Change default hold time: one minute	
PAS-836	Simple between task to list the project elements	
PAS-835	Generated action scripts line elements in part tasks.	
New Feature	Description	

PAS-436	Install angular dependencies per project	
PAS-438	Distribute initial meta data from get request to each form elements	
PAS-437	Add get operations in Interface and service of generated BPMN	
PAS-439	compile mapping array foreach	
PAS-832	provide angular sources to the designer	
PAS-833	Compiler task to package the angular sources	
PAS-834	Use new libraries in generated app	

Designer 2.1.0

Bug	Description	Documentation Link
PAS-837	Mapping sub context ids sent to compiler are wrong	
PAS-786	Execution diagram: Deleting of an execution model does not start the compile process	
PAS-785	Execution diagram: The Exclusive Gateway should not show the execution model creation sign	
PAS-774	Execution diagram: Sorting the execution tabs	
PAS-775	Execution diagram: Default type for Service Get should be any	
PAS-47	Don't allow trailing blanks in parameter names	
PAS-386	Date Picker within FormsEditor gets Application to hang	
PAS-129	Execution model: prevent variables of having same name	
PAS-387	Non-admin user can see Bridge Settings Internal	
PAS-57	Image element - displaying issues	
PAS-388	Highlighting Error - verify that the associated error is highlighted in the Validation panel	
PAS-108	Cannot create forms cause designer is somehow in an error state	
PAS-742	Inconsistent casing on the explorer permission popup	
PAS-122	Change terms in Designer UI	
Improvement	Description	
PAS-647	"Confirm Deletion" different representation	
PAS-590	Simplify the library DefaultAttribute class	
PAS-494	Image element	Image (Form)
PAS-9	Action Script undo	
PAS-395	Stop mouse event propagation from events handled on dialogs	
PAS-86	Refactor the form editor code and add tests	
PAS-225	Change generated IDs sent to the compiler	
PAS-391	Forms: update positions after pasting of objects	

PAS-396	Missing tests for FormDatePicker	
PAS-394	Delete model data operation	
PAS-230	Unify behavior of selected elements in Mapping editor	
PAS-237	Keep action script content when switching to another tab	
PAS-227	Remove unused logs	
PAS-246	Log in the console if the compiler send errors without element	
PAS-211	Action Script Editor: improving save	Using Action Script
PAS-392	Report action scripts errors with location to the operation	
PAS-393	Provide alignment for radiobutton	
PAS-195	Execution diagram: how to display get and put for user tasks	
PAS-190	Mapping diagram: Arrays: foreach	• Mapping Data Structures ◦ Supported Mapping Functions ◦ Array Mapping
PAS-226	Operation parameter: Return: name should be "return"	Modeling Data Mapping
PAS-219	Improve depiction of pin tooltip	
PAS-177	Adjust "Select Report" dialog	Creating Diagram Reports
PAS-788	Execution diagram: naming execution tabs	
PAS-197	Correct the distance in the service overview	
PAS-103	Datepicker element - value selection in attribute panel	Date Picker
New Feature	Description	
PAS-148	Provide a way to download the generated angular application	2021-12-03_11-22-19_Downloading the Angular App Project
PAS-164	GET execution for User Task	
PAS-163	Send the new GET execution to compiler	
PAS-166	Execution can be created and deleted for bpmn element	
PAS-139	Possibility to have multiple execution for a BPMN element	
PAS-150	Mapping diagram: add validation for foreach relations	
PAS-144	Send mapping array foreach to compiler	
PAS-390	Rework the form editor data model to support grouping	
PAS-389	BPMN Editor - User Task Attribute Panel - add redirect to selected form	



As of this Runtime version, **CentOS 6** and **RedHat 6** are no longer supported.



Known Issues

ZIP adapter: Action **unzip** disregards the **overwrite** parameter and does not overwrite existing files.



The following bugfixes and features have dependencies or are subject to migration.

Issue	Comment								
PAS-264	On Linux the new library version causes change of precision in floating point values. Example differences that may occur: <table><tr><th>Old</th><th>New</th></tr><tr><td>123456789012346.7</td><td>123456789012346.703125</td></tr><tr><td>65.430000000000007</td><td>65.430000000000006821210263296962</td></tr><tr><td>-0.222</td><td>-0.22200000000000000288657986402541</td></tr></table>	Old	New	123456789012346.7	123456789012346.703125	65.430000000000007	65.430000000000006821210263296962	-0.222	-0.22200000000000000288657986402541
Old	New								
123456789012346.7	123456789012346.703125								
65.430000000000007	65.430000000000006821210263296962								
-0.222	-0.22200000000000000288657986402541								

Bug	Description	Documentation Link
PAS-259	ZIP adapter cannot create directories when basePath contains drive letter on windows	
PAS-258	Zipped file with umlaut is not unzipped correctly	
PAS-283	XML Parser: throw error if parsing Any and no xsi:type attribute present.	
Improvement	Description	
PAS-264	SAP NW RFC 7.50 Patch 7	
PAS-2	libcurl 7.76.1	
PAS-790	Improve pas-blue theme	