Ticket #	Issue #	Title	Description	Product Area
INC-A14973 INC-A11043	827356 822376	FindWorkGadget control deprecated	After upgrade from Pega Platform version 7.2 to Pega Platform version 8.7, searching for a case using FindWorkGadget generated the message "Error 403: SRVE0295E: Error reported: 403". The FindWorkGadget control contains the list view control to view the data, which is a deprecated control. This was a missed use case, and has been resolved by deprecating the FindWorkGadget control. Alternate widgets present in the dashboard such as work list, work queue, and the search gadget may be used to find work in its place.	Case Management
INC-A21365 INC-A15775	842663 835722	Failed status correctly announced in BPNotes	JAWS was not announcing Failed status in the pzBPNotes section. This was traced to a missing focus event for the icon and has been resolved by replacing the Skipped and Failed label with a button to display pyTempText instead of the smart tooltip in the pyBPNotes Section.	Case Management
INC-A23925	839190	Improved security for potential cross-site scripting	Cross-site scripting protections have been updated for the case type rule name.	Case Management
INC-B11685	862940	Pulse notification link description read by JAWS	When a JAWS user selected the notifications link on the main navigation menu using the keyboard, the notifications that were listed in the sub-menu were not read. This has been resolved by changing the role type to component/widget and the value to Link in the pzShowNotificationDefaultWrapper section.	Case Management
INC-B147	868231	Handling added to avoid incorrect cover count value	While working on and resolving child cases, a validation error on screen was intermittently causing the pxCoveredCountOpen value to be decremented by one. Handling has been added to address this issue and maintain the correct count.	Case Management
INC-B15400	866422	Work-Cover-SimpleCase updated to use ResolveAndCloseCase	Cases were not being cleaned up as expected when using the Resolve Case action in the Actions menu. Investigation showed the flowaction was calling the UpdateStatus activity, which updates the resolution status but does not clean up the open assignments. This has been resolved by updating the case wide action in "Work-Cover-SimpleCase" case type(pyDefault) from pySetStatusResolved to pyResolveAndCloseCase.	Case Management
INC-B17952	869513	Activity and data transform rules updated for Questionnaire property handling	When a field was created for the first time under "Map Answer to Field" -> "Create New" in Questionnaire, entering a value starting with the letter "A" in the modal and submitting it set the value to "zzzz" instead. This was caused by the value not being properly appended to the pagelist, and has been resolved by updating the activity and data transform rules to correct the handling.	Case Management
INC-B18712	870680	Aria-labels updated for icons on Case Type Questions View	When creating a case type as a questionnaire, some icons were missing the accessible helper text aria-label in the edit/add questions view of App Studio. This has been resolved by updating the helper text value defined in the pzEmbeddedSurveyQuestion and pzSurveyQuestionTemplate sections.	Case Management
INC-B1967	855590	Corrected unexpected Stage rule creation	A Stage rule was incorrectly auto-created in a Production ruleset on save of a privately checked-out Case Type rule. This was traced to a previous change made in the handling for a case type rule with a Stage Rule reference, and has been resolved.	Case Management
INC-B19766	873685	Updated ReassignToWorkBasket to correct added history record	When an SLA rule to reassign an assignment after a timer expiration was applied to a case, a History type A record was incorrectly added. This has been corrected.	Case Management
INC-B20254	871563	Alternative Stage Name security enhanced	Security has been updated for Alternative Stage Name.	Case Management
INC-B21012	874365	Unchecked caching of options checkbox in Map Answer to Field	A new "Map Answer to Field" value was not available in dropdown. This was traced to "enable caching of options" being checked inside Map Answer to Field in the pzSurveyQuestionViewAside section, and has been resolved by unchecking the option.	Case Management
INC-B21986	874374	"Map Answer to Field" value retained when switching questions	After a new field was created for a question via the "Map Answer to Field" dropdown while configuring a questionnaire, switching to another question and then switching back cleared the "Map Answer to Field" value. This was traced to a data transform in pzSetQuestionAndFieldNames setting the value to null during the switch, and has been resolved by removing the step.	Case Management
INC-B22083	873980	Calendar control registered with BAC	Due to being deprecated, the pxCalendar control was not properly registered with BAC. This has been resolved.	Case Management

Ticket #	Issue #	Title	Description	Product Area
INC-B24727	877881	Corrected 'previous' button handling for multi-attachment screen	After adding more than one attachment in the multi-attachment screen, clicking on the 'previous' button did not return to the previous screen. This has been resolved with an additional 'workPage' page in the Pages & Classes tab of the pzJumpToStep activity.	Case Management
INC-B26685	878466	Deleted attachments cleared on the screen	When using the delete link to remove a document, the UI did not update to reflect the document removal until a browser refresh was performed. This has been resolved by checking the "Reload once per interaction" check box in D_AttachmentFieldInfo.	Case Management
INC-B3565	858160	pxIconShowReopenScreen rule deprecated	The Show Reopen control (pxIconShowReopenScreen) was generating a 403 security alert for an unregistered activity. As there are workarounds and other controls available which can be used to achieve the same functionality, the pxIconShowReopenScreen control has been deprecated.	Case Management
INC-B4850	862677	Accessibility added for selected radio button on Question Page	When navigating the 'questions' with a screen reader, the user was not made aware of their selected radio button once they've completed the action. This has been resolved.	Case Management
INC-B8440	860654	Link attachment handling updated for Constellation	The save timestamp was modified by the attachURL activity while adding a link as an attachment, causing an error when the timestamp did not match the eTag. To resolve this, a condition has been added to the skip saveAttachment activity in the AttachURL activity if the case is Constellation.	Case Management
INC-B8651	863959	Updated createdBy field handling for bot attachments	When a case was created from an email with an attachment, attempting to check the attachments section showed the file but indicated its status as "Loading..." and the attachment was not accessible. Investigation showed the DX API response for get attachments did not contain createdBy and createdByName for files which were attached by the system/bot. This meant the files were not accessible as the Attachments widget link to download the attachment is based on those two fields. To resolve this, an update has been made to set the createdBy and createdByName fields in the DX API response when the attachments are attached by system/bot.	Case Management
INC-B9875	863587	Ensured duplicate key exception for customized GenerateID	After upgrade, a customized version of the GenerateID activity reused an existing ID and overwrote an existing case. This scenario did not generate a duplicate key exception as expected during the case creation process (AddWork), which was a behavior change from Pega 7. This was traced to a difference in handling for newObject value, and has been resolved by updating the RecalculateAndSave activity to set newObject to true if pzInskey is not present on the work object.	Case Management
INC-B11552	864329	Extension added for custom triage class	After update, the SLA was not being applied to a custom class used for email-based triage cases. Investigation showed the OpenAndLockWork step was failing, causing the process to exit the Establishcontext activity and preventing the ProcessEvent activity from running. To handle this use case, the extension pyCheckAndMigrateInteractionCases_Ext has been added to set the objclass of the email triage case; this defaults to "Work-Channel-Triage" and can be modified as needed.	Conversational Channels
INC-B16449	867464	Updated HistoryIndex property handling for migrated cases	After update, emails were not being properly attached if the related case was created before the update. This was an issue with the method used to set the pyHistoryIndex property on the workPage, and has been corrected.	Conversational Channels
INC-B28596	879933	PostProcessTriageWork updated to pass parameter page	After update, a difference was seen in the behavior of pxCreateAndManageTriageWork due to "pass current parameter page" not being checked. This change in implementation caused some configuration logic to break when parameters created in steps prior to pzPostProcessTriageWork were needed. To resolve this, pzPostProcessTriageWork has been updated to pass the parameter page when calling pyPostProcessTriageWork.	Conversational Channels
INC-B13217	868314	REST connector socket timeout made consistent	The socket timeout value given on the REST connector rule form was not consistently applied, causing the observed timeout to exceed the configured timeout in certain situations. This was due to the timeout being calculated as a max time between packets, and has been addressed by setting the timeout to be a fixed value.	Data Integration

Ticket #	Issue #	Title	Description	Product Area
INC-B24386	874541	Updated property name handling for archival SRS migration	A Clipboard WrongModeException occurred during archival SRS migration, indicating the property .JobTitle was of mode Page while ClipboardPropertyImpl.getStringValue() was expecting String mode. Investigation showed the archival reindexer was skipping a loop that performs a check for Page if the property name did not contain multiple parts in the name, i.e. Case.JobTitle. This has been resolved with added checks for the property handling.	Data Integration
INC-A1110	807374	Corrected cache handling for link control data	Stale data was seen on the link control if it was referred from an embedded property, leading to information from one case to be carried into another. This has been resolved by updating webwb_pzpega_ui_template_link to get the correct value.	Data Integration
INC-A16756	871240	Added handling for pxUpdateRecord failure during save	Intermittent issues were seen with pxUpdateRecord failure when attempting to update the database table record by using a savable data page, causing cases to need reprocessing. The exception "Job Scheduler [ClaimCreation2] activity [CreateCC] execution marked as failed with message [pxResults (class:" was generated. This was traced to an invalid value for a PageList, and has been resolved by adding a retry mechanism along with a check for property mode before generating an InvalidParameterException.	Data Integration
INC-A18369 INC-B18082	870413 872108	Case lock maintained during Connect REST	After upgrade, invoking Connect REST to fetch data from an eternal system as part of case creation resulted in the case lock being released and the database commit failing. This was traced to the getSimulationActivity rule being invoked which reset the access group and rolled back any database transactions associated with the thread. This has been corrected so the correct access context is maintained.	Data Integration
INC-A19931	862364	Handling added for tenant URLs registered with Microsoft Azure	The Multi-Tenant Hash IDs generated by the Open ID Connect Setup contained wild cards which were disallowed by Microsoft Azure during the URL registration. This has been addressed with an update to remove the '*' and '!' characters from the redirect URL based on the boolean DSS setting "ignoreAsteriskAndBangSymbolInMT".	Data Integration
INC-A23729	845171	Dev Studio security updated	Cross-site scripting protections have been updated for Rules and Ruleforms in Dev Studio.	Data Integration
INC-A24646	843337	Corrected check in error for Connect-JMS	After checking out the Connect-JMS rule, checking it in generated the error "CheckIn was unsuccessful. Original Instance does not contain Lock Information. Original Instance Handle : RULE-CONNECT-JMS @BASECLASS". This has been resolved by modifying the when rule pzSaveRefresh of @baseclass to be set to true for private edit so the latest rule set is picked up and the check in will be allowed.	Data Integration
INC-A24930	843343	Corrected attachment delete after switch to new repository	View/Download actions were working after switching to a new repository, but deleting attachments failed. Investigation showed pzDeleteFromRepository was using application settings instead of fetching the repository information from the work/link attach tables, and this has been resolved.	Data Integration
INC-A25591	840670	Support added for migrating Oracle optimized index with Primary Key	When upgrading from Pega 7 to Pega Infinity '23, the error message "ORA-00955: name is already used by an existing object" was generated. This can occur when Oracle data pump is used to move the schemas in earlier versions of Oracle 18 or 19, and is caused by parallel threads optimizing the primary key (PK) index while another thread is simultaneously adding the PK index, and has been addressed by adding support for this edge case.	Data Integration
INC-A26110	849724	Corrected extra column label incorrectly shown	A delegated data type was unexpectedly displaying the "Delete" column header label. The delete functionality was correctly not shown. This has been resolved by updating pzrecordEditor to have the same condition for the Delete label as for the Delete icon.	Data Integration
INC-A26215	869992	Handling added for SP Rebuild Indexes on database name with dashes	When databases are named with dashes as per Microsoft Azure recommendations, executing the stored procedure sppr_rebuild_indexes generates the error "Unable to execute sql query: EXECUTE PegaRULES884.sppr_rebuild_indexes 'stats'; com.microsoft.sqlserver.jdbc.SQLServerException: Incorrect syntax near '-' ". This has been resolved with an update to handle the stored procedure execution error when database objects containing dashes '-' in their names are encountered.	Data Integration

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INC-A26543	873464	Prepending dot to fetch non-scaler properties in pxConvertResultsToCSV	Calling auto-populated properties or embedded properties without adding "." before them was not fetching their value while preparing the CSV file in pxConvertResultsToCSV activity. While scaler properties can be fetched without the ".", auto-populate properties are not scaler in nature. This has been resolved with an update to append a "." before the properties to fetch their values from clipboard.	Data Integration
INC-A27036	846451	Corrected decimal handling for read-only	For properties of type Decimal set with read-only format in the UI-Control and decimal point set to Auto, entering a 15-digit value returned an invalid result with an extraneous decimal point. On the clipboard, the 15-digit integer was set correctly. This has been corrected by updating pzpega_ui_formatNumber.js.	Data Integration
INC-A27482	842097	AddContainerItem handling updated	The Constellation UI was not loading. Investigation showed the deferload tab was considering the resourceType as 'CASE' when the correct value should be 'PAGE'. To address this, an update has been made to set resourceType as 'PAGE' when calling addContainerItem from loadPortalView.	Data Integration
INC-A2788	813222	Corrected header layout accessibility	JAWS was not reading Heading tags for the Param.ShortDescription value in pzDataTypeKeysAndDescription. This was traced to the ShortDescription being set as a label instead of part of the dynamic layout header, and this has been resolved by modifying the section to include the header with h1 tag.	Data Integration
INC-B1010	864072	Added catch for notification thread exception	A notification configuration was working in the development and production environments, but was not working in the pre-production environment. Investigation showed there was an uncaught thread exception, and handling has been added to resolve this issue.	Data Integration
INC-B10307	861803	Corrected OpenWorkbyhandle error in coexistence	When using an OpenWorkbyHandle configuration to launch a landing page using coexistence, a 403 error was generated. This was traced to the OpenWorkbyHandle URL being incorrectly generated with the thread name, and has been corrected.	Data Integration
INC-B10336	870639	Additional logger added for archival exclusion	Additional logging has been added to assist with diagnosing issues with ABAC security configuration filter conditions which cause classes to be mapped to a different table while running queries using nativeSQL.	Data Integration
INC-B10336	877135	setSecurityEnabled defaults to false when using NativeSQL queries	Adding a security rule to the work class and trying to run an archival exclusion activity on the WO of this work class generated an error indicating pxobjclass did not exist. Investigation showed that when ABAC filters are enabled, the NativeSQL layer was adding additional filter conditions in the 'where' clause of the query which caused the queries to fail. ABAC filters are automatically added to the query by default if EnableAttributeBasedSecurity DSS is enabled and an ABAC condition is defined, and the setSecurityEnabled setting was true by default. In order to correct the added filter issue, the setSecurityEnabled setting has been changed to false to disable ABAC filters in the query.	Data Integration
INC-B10764	870803	Corrected attribute handling for custom report definition filter	Opening a report and clicking on "other navigation" caused a pyDirtyCheck popup to appear even when no changes were made. Investigation traced this to the use of a form containing a date field that had text entry disabled that was used in a custom report definition filter rendered in non-template mode. This has been resolved by updating the handling for the "data-initialvalue" attribute so it renders as expected in both template and non-template mode.	Data Integration
INC-B11228	871069	Trim and special character handling added to attachment migration	Attempting to migrate an uploaded attachment with a name longer than 255 characters or with characters such as "[", "?", "*", "<", ">", "|", ":"] resulted in an error from the pzAttachmentMigrationProcessor queue processor. This has been resolved with the addition of a java step in pzGetAttachmentContent to remove the special characters as well as trim the attachment name to 90 characters.	Data Integration
INC-B1130	861792	Additional email processing logging added	Additional logging has been added to assist with diagnosing a NullPointer exception which was generated in a scenario where some emails were processed in the dev environment but not in the production environment.	Data Integration
INC-B11885	862430	Added handling for system pulse race condition on startup	A newly scaled-up batch node did not pick up new Next Best Action rules. This was traced to a race condition, and has been addressed by reloading the class map into the system pulse module.	Data Integration

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INC-B1193	862270	Corrected exception generated when expanding a property	Datapages were not working correctly, causing case creation to fail. This was traced to a ReadOnlyException that was generated when opening a workobject using ReadOnly Datapage, and this has been corrected.	Data Integration
INC-B12438	868449	Updated country codes	In order to meet ISO-3166-1 standards, the following country codes have been added: AX ALA Åland Islands BL BLM Saint Barthélemy CD COD Congo (the Democratic Republic of the) CW CUW Curaçao GG GGY Guernsey IM IMN Isle of Man JE JEY Jersey ME MNE Montenegro MF MAF Saint Martin (French part) PS PSE Palestine, State of The code for Romania was previously incorrectly listed as ROM. This has been updated. RO ROU Romania	Data Integration
INC-B12600	865196	Readonly date control correctly displays custom date	After adding a custom date time control with date property and checking "display value read only formatting" and selecting allow text entry as "no" in configuration panel, the custom format dd/MMM/YYYY was modified to mmm-dd-yyyy after the server side validation was triggered. This modification was occurring due to the date format which was picked up from the browser locale (set to English United States) overriding the custom control. If default locale is not mentioned on the Operator page, the system considers the browser locale. To resolve the custom format being overridden, a check has been added which will format the date accordingly even if the dateTime property is considered to have an error.	Data Integration
INC-B1278	869008	File Listener retry logic updated	File Listener was not moving the file to the error folder as expected after failing to read it three times, but instead was continuing to retry. This has been corrected with an update to properly set the processing status error message so the process continues as configured.	Data Integration
INC-B14091	872862	Logging added for terminate requestor	Additional logging has been added for the terminate requestor function in order to assist with diagnosing problems where the queue processor becomes stuck with "Ready to process" items.	Data Integration
INC-B14600	874757	StakeHolder widget updated to support pagelist properties	The data was not being saved when a pagelist property was used to add multiple addresses to the StakeHolder widget. This has been resolved by adding UI support for pagelist data to the StakeHolder widget.	Data Integration
INC-B14835	869415	Error handling updated for connections using setClientID	The error "ConnectorException: Couldn't establish connection: Method setClientID not permitted" was generated when attempting to establish a connection using Connect-JMS. This has been resolved with additional handling for setClientID() runtime exceptions.	Data Integration
INC-B15023	870822	Corrected handling for editable list with recursive embedded page list property	When presenting an editable list in Constellation that was created from a case type with an embedded page list property which itself contained another embedded page list property, accessing the form to edit a parent list entry to add, remove, or modify entries within the child list intermittently caused rows from the child list to disappear. This was traced to the interestPage handling for the modal dialog and has been corrected.	Data Integration
INC-B15281 INC-B26152	865981 876284	Added sync check for updated localization pack	Importing an updated localization pack through the App Studio localization tool did not immediately reflect the update as expected. This has been resolved by adding a last modified datetime and operator check in the update locale rule.	Data Integration
INC-B1548	850874	JavaBeanViewer updated to remove browser invocation	In order to ensure potentially sensitive information is not accessed without authorization, the 'allow invocation from browser' option for rule "RULE-OBJ-ACTIVITY DATA-ADMIN-IS-JAVABEANVIEWER" has been disabled.	Data Integration
INC-B1584	864672	en_PH locale added	The en_PH locale file has been added to support the Philippines.	Data Integration

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INC-B16148	867350	Corrected handling for SLA on Assign to Robot Queue flow shape	After creating a flow and adding the "Assign to robot queue" shape, the flow could not be saved after adding SLA to the shape. Investigation showed this was caused by an incorrect property referral in the SLA, and has been resolved by updating the property used for configuring the SLA and setting SLA type as 'Use existing'.	Data Integration
INC-B16409	869694	Logging added for diagnosing socket timeout issues with S3	An IOException was frequently generated when loading bulk data all at once, leading to corrupted clipboard data and a parsing exception. To assist in diagnostic work, logging has been added to track SocketTimeOut and Connection Time to Live.	Data Integration
INC-B16627	868070	Diagnostic logging added for engagement policy issues	Rule resolution tracer loggers have been added along with a check in the skipHitNotFound item PropositionFilter in order to assist with diagnosing issues with actions missing engagement policies.	Data Integration
INC-B17158	867154	Corrected duplicate data page from API	When using the v2 data_view/{data_view} API, the GetDataPage step was making two copies of the page. This has been corrected.	Data Integration
INC-B17344	875400	Utility Method available to validate JSON against YAML Schema	The validateJSONAgainstYAML function has been made available in the Utility function of AutomationUtils to validate JSON against YAML schema and return a list of validation messages.	Data Integration
INC-B1736	866062	Updated Pega Cloud File Storage (PCFS) handling for duplicate attachments	When migrating attachments to Pega Cloud File Storage (PCFS), attempting to move a file with a duplicate name failed. This has been resolved by updating the pzuploadattachment activity to handle duplicate attachments.	Data Integration
INC-B1756	872608	Updated Purge query handling of clipboard	The purge function was not working as expected. This was traced to queries in one of the steps in the purge activity not being handled correctly Oracle version 19 and passing empty strings as rulesetlisthashes, and has been resolved by improving the Select purge query method of storing the result to clipboard.	Data Integration
INC-B18729 INC-B17679	870908 871571	Diagnostic logging added for PegaArchiver	Additional logging has been added to assist with diagnosing issues around excessive run time for the Archive function.	Data Integration
INC-B20863	871717	RequestorLockException logging updated	The logging level for RequestorLockException has been changed from infoForced to debug.	Data Integration
INC-B2102	865629	Generic error message in offline mobile now translated	The "PleaseCorrectErrors" field value was not correctly resolved in the offline application.This was traced to a missing field value definition in the offline packaging configuration, which has now been resolved.	Data Integration
INC-B23600	876803	XSD data cleared after error	To improve security, XSD data will be cleared from the Connector and Metadata Wizard if an error is encountered.	Data Integration
INC-B25600	876931	Updated response data transform empty date value for GET	If a an empty date/time property was added in in the Insights dimensions, it defaulted to 01 Jan 1970. This was traced to the default automap behavior of the pzTranslateViewPageToJSON data transform, and has been resolved by updating the response data transform for GET request to use "null" as the default.	Data Integration
INC-B26697	878258	Control selection correctly saved in screenflow	Radio button selection was not being saved in the screenflow after using the next and previous navigation buttons. This has been resolved with an update to store the correct page reference for the list fields.	Data Integration
INC-B4258	862216	Child cases correctly archived when top two parents are of same type	Dynamic Hierarchy support has been added for case archival. This supports the use case of archiving an asymmetric case hierarchy where a parent case type becomes a child case type for one of the child case types in the case hierarchy. This resolves an issue where SuperParent has 4 children and Parent2 has 3 children and SuperParent and Parent2 are of same class, which had resulted in child4, child5, and child6 not being archived as expected.	Data Integration
INC-B5709	859361	Corrected flow rule edit 'when' logic	The "configure view" button was unexpectedly being offered in Dev Studio after reopening a submitted screen flow, and clicking on it generated the error "Only one modal dialog can be opened at a time". This was traced to an error in the 'when' rule logic for the property panel of assignment pyOutcomes which caused it to become initialized in the flow rule form when it should only be initialized in Case Designer. This has been corrected.	Data Integration
INC-B6802 INC-B19202	866914 872006	Corrected AccessGroupSwitch handling	Attempting to open a case belonging to another application without manually switching to the application generated a Login screen and the case was not opened. This has been resolved by updating the handling for the application switch cookie paths.	Data Integration

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INC-B730	864636	Corrected code for dynamic operator time zone	After configuring a date control in a grid, attempting to change the operator timezone resulted in the values appearing in the filter in GMT format. This has been resolved by updating the code for Central European Standard Time (CEST) to be Central European Time (CET) as CEST represents Summer Time (Daylight Time).	Data Integration
INC-B767	849389	Extra validation check for space character added for Service REST	A 502 Bad gateway exception for third-party connectivity was traced to the response header using "request id" instead of "request-id". A validation check has now been added to ensure spaces are not allowed in Service REST response headers during save.	Data Integration
INC-B7715	859127	Accessibility corrected for using enter key to edit table	When a keyboard user navigated to a row in a delegated table and hit the enter key to edit the inputs, a new line was created instead. This has been resolved by modifying the section in such a way that pressing the enter key will edit the existing record rather than creating a new row.	Data Integration
INC-B791	875253	Added handling for search null pointer error	After creating a case hierarchy with multiple child case types, removing one of those child case types from the ruleset and then attempting to archive the parent cases led to a null pointer error from the search API for the deleted child type. Handling has been added for this use case.	Data Integration
INC-B791	864557	Updated Archived-shared records handling	Cases in Archived-Shared status were not being cleared from the pr_metadata table, increasing the table size. Investigation showed that when using the pxLinkAttachmentToCase activity, attachments were only marked as Archived-Shared status when they occurred in the same batch. This led to marking the shared attachments as regular attachments when they were not part of same batch while running the archival jobs, and caused the shared attachment to only be accessed by the case that was archived, leaving the unarchived case not able to access it. This was a missed usecase, and has been resolved.	Data Integration
INC-B8067	871690	Corrected handling for generating nested JSON elements	When using a data transform to create a REST connector in clipboard and subsequently transform it into a JSON text for Amend to Map, the JSON data transform did not work in cases where the clipboard structure was more complex (for example a pagelist containing a page list). This has been resolved by updating the logic of the mapping order of elements between clipboard and JSON.	Data Integration
INC-B8317 INC-A28696 INC-A11557	861974 844493 828721	Updated data transform to use correct context for embedded properties	When using a JSON data transform to output an object with a property Page List, the properties were not being correctly mapped after encountering embedded pages. This has been resolved by popping the clipboard context after Append and Map to action.	Data Integration
INC-B9025	870968	CreateConnection correctly passes JNDI credentials	Connection issues were seen when authentication was enabled on the JMS broker side and JNDI credentials mentioned in the JNDI server rule form were not being passed as expected. This has been corrected by updating the activities called in the JMS explorer functionality.	Data Integration
INC-B9435	860732	Added null check for strKey in SafeURL	Opening an existing assignment and then clicking on the cancel button generated a browser alert with the error "NullPointerException in SafeURL.put(key,value) {recordKey}, {undefined}". This was traced to an empty value for strKey, and has been resolved by adding a null check.	Data Integration
INC-B14451	866215	Corrected ADM snapshot truncation	The data import case in Data Migration was failing with a "Rule not found" error. An audit trail showed there was a failure in the ADM datamart table truncation prior to ADM data import; this has been resolved with an update to only truncate the ADM snapshot data if ADM import is enabled.	Decision Management

Ticket #	Issue #	Title	Description	Product Area

HFIX-B799
HFIX-B1043
HFIX-B1313
HFIX-B1332
HFIX-B1703
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	870269
	878241
		Decision simulation batch size made configurable	Data migration was failing at the export phase while processing the pyRemoveDuplicatesFromSimulationDataSet data flow run. This was traced to a Cassandra read and write timeout exception, and has been resolved by adding a batchable feature to the data set with size configured with a prconfig setting.
			Create the below DSS only on Production:
			 * Owning ruleset: Pega-DecisionSimulation
			  - Setting name: simulation/datamigration/inboundsample/deduplication/batchsize
			  - Setting value: 50
			 * Owning ruleset: Pega-DecisionSimulation
			  - Setting name: simulation/datamigration/inboundsample/deduplication/requestors
			  - Setting value: 1
			Create the below DSS on both Production and BOE:
			 * Owning ruleset: Pega-DecisionSimulation
			  - Setting name: simulation/datamigration/inboundsample/requestors
			  - Setting value: 3
			 * Owning ruleset: Pega-Engine
			  - Setting name: prconfig/dnode/dds_partitioner_class/default
			  - Setting value: com.pega.dsm.dnode.impl.dataset.cassandra.TokenRangePartitioner
			 * Owning ruleset: Pega-Engine
			  - Setting name: prconfig/dnode/cassandra_use_extended_token_aware_policy/default
			  - Setting value: true
				Decision Management

INC-B13083	864618	Improved Interaction History sync performance	Interaction History was very slow when working with extremely large data sets. This has been addressed by refactoring the pxInteractionHistory browse operation for better performance in very big data use cases involving records from a large time range (15 months). This improvement also eliminates the merge shape limit on the number of records and avoids the customer interactions limit.	Decision Management
INC-B13604	864414	Improved validation logic for revisions	Clicking on "Current Revision" from the Revisions Management landing page caused an extremely large requestor clipboard page of over 2.7GB to load, leading to performance and memory issues. The size of this page was a result of the system handling more than 200 ChangeSet requests in one revision along with detailing the validation checks for 8500 rules. This validation check is no longer needed due to current handling processes for the change requests, and has been removed to improve performance and the clipboard page size. In addition, pagination logic has been added for displaying the change requests in a revision.	Decision Management
INC-B14031	866753	Corrected count for HandleResponses	After update, the response count on the event strategy window was not accurate. This was traced to the data in the stores_pxHandleResponses table being unexpectedly removed, which was an unintended consequence of a previous update to the event strategy logic to add the new property pyOutcomeWeight. This has been corrected.	Decision Management
INC-B1476	857424	Instruction text rendered in a Questionnaire page	After developing a Questionnaire with some introduction text on each page, the introduction was not shown when running the Questionnaire. This was due to difference in handling for the Question page in Constellation, and has been resolved by adding a new parameter to the pzQuestionPageScr flow and setting it when saving the Questionnaire case type so the introduction text is included.	Decision Management
INC-B14837	868053	Scenario Planner displays top N for Projected Reach	Scenario Planner was displaying only the top 1 for Projected Reach, causing the Scenario Planner simulations to be off when inbound slots have multiple offers per slot, not just the top 1 in rank. This has been resolved with an update to ensure the top N actions are considered for Scenario Planner.	Decision Management
INC-B15053	864772	Updated logic for ADM case resolution	When there were multiple Adaptive Decision Manager (ADM)-based predictions in a case type, some decisions made by predictions were missed when the cases were resolved. Investigation showed that during case resolution, the make decision and set response call were concurrent and could result in some data loss. This has been resolved by changing this to sequential queue processing.	Decision Management

Ticket #	Issue #	Title	Description	Product Area
INC-B15096	872135	Batch sizing made available for Cassandra queries	When a Decision Data Store (DDS) dataset BrowseAllRecordsOperation was executed there was no method to pass the batch size to use for the Cassandra page size. This caused the default datastax driver page size of 5000 to be used in queries, potentially leading to out of memory conditions for datasets with large records. To address this, the feature class BatchableFeature has been added to the data flow for BrowseAllRecordsOperation to allow limiting the number of records received by each Cassandra query per dataflow run.	Decision Management
INC-B15704 INC-B12209	865577 865017	Truncate operation improvements	In order to support a variety of different database engines and avoid truncation failures of the pyADMFactory data set during the data migration import process, the implementation of the truncate function has been updated to better handle external and internal tables and tables mapped to more than one class.	Decision Management
INC-B15792	872387	Updated handling for Customer/DSM aliases	If the strategy changed the alias Customer to a Decision Strategy Manager (DSM) page and tracked the original Customer page for resetting later, during the enrichment of aliases, if Customer was included, it was reassigned to a DSM page and the previous page (now the DSM page set in step 1) is tracked again. As a result, the oldAliases list contained both the original Customer page and the DSM page from the initial change. When resetting the aliases, Customer remained associated with the DSM page from step 1. Consequently, this alias was visible to the parent activity, leading it to incorrectly use the DSM page for Customer instead of the intended original page. To address this, the reset order has been reversed to the alias order to ensure the correct page on the final reset.	Decision Management
INC-B16495	867489	ADMPredictorsFilter limit increased	Model predictors were not properly populated in the predictors monitoring screen. This was due to the limitations in the pyADMPredictorsFilter Report definition which was set to retrieve a maximum of 500 records at a time. To resolve this, the limit for maximum records to retrieve in pyADMPredictorsFilter has been increased to 99999999.	Decision Management
INC-B17436 INC-B14730 INC-A12911 INC-B3007 INC-B899	867396 865858 829353 854257 852879	ADM model queuing criteria updated	Model Factories were being updated continuously without any changes to the ADM model or when there were no model responses to update. Due to the continuous update, table space was filling and performance issues were seen. This was traced to the Factory table not showing data for the model keys but there were records in the scoring table on Cassandra side, causing unwanted queries to be issued for these 'phantom' models. To resolve this, an update has been made so models are only queued for update by the ADM service when both the time interval is met and new training data is found.	Decision Management
INC-B17441	868571	Resolved permission error in pyProcessCaseEvents	The queue processor encountered report definition permission issues related to process AI calling a Strategy, resulting in an exception while invoking the Interaction History summary top-up queries. This was related to the handling of the complex field type used by the context page copy that is sent as an input page to the prediction strategy, and has been resolved with the addition of an extensible 'when' rule to allow skipping the desired properties while executing prediction.	Decision Management

Ticket #	Issue #	Title	Description	Product Area
INC-B17549	875821	Handling and warnings updated for Next Best Action change requests	After the Next Best Action (NBA) process created the customer journey (with one action and one entry criteria) for each of the stages, some of the stages had stripped off actions/entry criteria after the deployment. This was due to the change request handling. Both standard change requests and ops change requests relied on the backup DDR to revert journey associations changed as part of the change request. A common rule was used for reverting changes made by different types of change requests. As a result, if journey changes were made using both types of change requests within the same revision, reverting any one of them impacted the changes made by the other. To address this, the dependency on the backup DDR for reverting changes made using ops change requests has been removed. Ops change requests now maintain a backup of the original journey associations in the case meta data during case creation and use this backup whenever a revert is performed. This ensures that reverting ops change requests will not affect changes made by standard change requests. In addition, a warning will now be displayed when a user tries to withdraw a change request that is used to perform NBA-related changes, and a warning has been added for situations where a user tries to modify more than one NBA rule as part of the same revision using an OpsMT task or another type of change request	Decision Management
INC-B17807	870560	Corrected file data set Preview file filter	In any file type data set, selecting Preview File next to the export showed a different file than the one expected. This was traced to Preview in the file data set picking the first file in data set directory even if it did not match the file pattern, and has been resolved with an update to correctly filter out files not matching the pattern even if they are in the same directory.	Decision Management
INC-B18411	875084	Updated date filter handling for proposition eligibility	Inconsistencies were seen in eligibility between customer profile viewer and the Next Best Action (NBA) run and between the strategy trigger and the Globally Optimized Strategy (GOS). Investigation showed this was due to the handling of the date when using a filter component with @pxIsBlank(StatDate) OR @pxIsBlank(EndDate), and has been resolved.	Decision Management
INC-B19635	876214	Updated HandleResponses data flow to minimize false alerts	PEGA0161 alerts were being generated indicating "The Adaptive models are not learning as they are not getting responses. The pxHandleResponses dataflow has restarted at 20240425T023357.744 GMT." This was a false alert, as shown by the models page indicating they were being regularly updated and that the pxhandleprocess dataflow was in an in-progress state. To resolve this, an update has been made to pxHandleResponses which will check the restart time and send out alerts only within 3 days from the time the dataflow is restarted. The schedule for the check has also been updated from every 10 minutes to once per day.	Decision Management
INC-B20239	872837	MVEL library deprecated and replaced for PropositionFitler explain mode and simulation mode	Simulation runs were not returning counts in CDHSample even though the counts were populated as expected if the proposition filter was run individually. This has been resolved by replacing the MVEL library with a simple expression evaluator for PropositionFitler explain mode and simulation mode. As part of this work, the DecisionDataExpressionEvaluator class has been deprecated and will be removed in a future release. This class uses MVEL library and is only used in PropositionFilterTemplate Rule-Utility-Functions.	Decision Management
INC-B20390	874085	Updated handling for recursive Prediction references	Page type predictor values were not being displayed on the prediction widget. This was traced to a configuration where Prediction execution could result in infinite recursion for complex data structures if case reference and data reference properties referred to case and data classes containing case predictions. This has been resolved with an update which sets the useOptimized flag to false so that prediction execution considers Clipboard page and not just DSMClipboard page.	Decision Management
INC-B20725 INC-B18063	873918 869239	Updated parameter handling for dataflow sourced from report definition	After update, a dataflow for processing records with source as report definition and destination as activity was failing with a null pointer exception. This has been resolved with an update ensure parameters are properly handled to support using a report definition in a dataflow, including selecting a nested property mapped to an exposed column, sorting on a property from a joined class, selecting a function alias instead of a property, and sorting on a function alias.	Decision Management

Ticket #	Issue #	Title	Description	Product Area
INC-B21171	871486	Session and message usage metrics enabled	CDH Session and message usage metrics were not enabled in any environment. This was traced to the channel name or application name being created with the character '-'. While doing context switch, the App name was captured and a Page Group created with Subscript as the name of Application. This caused the app name to be "-", which caused the issue to the form page group. To resolve this, an update has been made to strip special characters from the string.	Decision Management
INC-B21582 INC-B17974	872102 871408	Corrected button access for decision revision management	Attempting to remove treatment attributes from Action Decision Data was not working due to an incorrect state for Add field and other buttons in the form tab of the decision data rule. This has been corrected.	Decision Management
INC-B2228	867392	Decision Funnel query activities log proper stack trace	In order to improve debugging, Decision Funnel query activities have been updated to allow logging a stack trace.	Decision Management
INC-B24605	876279	Migration pipeline performance improvement	Data migration pipeline comparison runs were taking an excessive amount of time. This has been resolved by updating the DDS Data Set SDK to improve the resuming behavior for compound token ranges.	Decision Management
INC-B24750	875848	Support added for rolling back data changes after campaign failures	A campaign run that failed in middle of execution may leave datasets in an unwanted condition. In order to facilitate restoration, this update introduces an AggregateKey setting which will roll back the changes when AggregateCount is set to a negative value. This manual process will use the generated file (created using a data file set) to stage pertinent information for records to be rolled back into a database table, decrement the counts in IH summaries, remove triggered contact policies and reset them for subsequent runs, and decrement the count in VBD reporting datasets.	Decision Management
INC-B25391	876572	Corrected truncate handling for file data set with manifest	If the Truncate operation was used on a file data set with a manifest file, then the manifest file was deleted instead of the data files. This was an error in the implementation following other work, and has been corrected.	Decision Management
INC-B26433	877087	Added handling for Oracle database lookup for GOS performance profiler report	The Globally Optimized Strategy (GOS) performance profiler report was blank. This was traced to the database handle coming back empty due to the Oracle database lookup being case sensitive. This has been resolved by adding an alias for the selected column so that the case of the key and returned column name match.	Decision Management
INC-B27326	878683	VBD supports configurable threshold for Dictionary size	Decision Funnel metrics were cut off due to VBD Dictionary size limit of 10,000 records. To address this, the DSS Pega-DecisionEngine.vbd/dictionarySizeThreshold has been added which makes this limit configurable within a range of 10000 / 100000.	Decision Management
INC-B2737	852667	Updated handling for "Not a Number" in predictive models	A model created using a Predictive Model Markup Language (PMML) LightGBM algorithm file was missing output results. This was traced to the model outcomes returning NaN (Not a Number), and has been resolved by updating the handling for missing, undefined or unrepresentable value data in the target field for the Tree Model.	Decision Management
INC-B5879	861177	Made DDS availability datacenter-aware	The Data Distribution Service (DDS) SDK version has been updated to enable DDS availability check being datacenter-aware.	Decision Management
INC-B7423	863673	Updated handling for reading files from S3 repository	When attempting to read files from a custom S3 repository, the directory was visible but it was not possible to list subdirectories or read the files. This was traced to an issue with access to view files that were created or uploaded by other operators, and has been resolved with an update to the file data set to work with non-explicitly created directories.	Decision Management
INC-B7952 INC-B9183 INC-B9606	858481 863014 868671	DSS added to control data flows for Data migration pipeline	Data migration processes running in parallel with all data flow runs triggered at once can take some time to complete with high volumes of data (customer samples or interaction history) and may fail with out of memory errors. One way to pace resource utilization is to sequentially run the individual data flows involved in data migration. To that end, the DSS dataMigration/numberOfConcurrentRuns has been made available to set the number of threads per data flow when the migration pipeline is running. Further work is planned for a future release to improve, simplify and stabilize the data migration pipeline.	Decision Management

Ticket #	Issue #	Title	Description	Product Area
INC-B8811	865040	Improved backwards compatibility for GOS	While trying to create a globally optimized strategy (GOS), providing the top level strategy and then trying to save the rule generated the error "Optimization failed to parse ".RecoPilotFlag!='Y'" using IL parser because the type CHARACTER is not supported in this context." The type CHARACTER has been deprecated but is still used. In order to support this usecase and maximize backwards compatibility, an update has been made to convert CHARACTER to a string value whenever possible so the GOS will run.	Decision Management
INC-B9208	868483	Security updated for edited Pulse messages	Cross-site scripting protections have been updated for editing Pulse messages.	Decision Management
INC-270434	821789	Duplicate attachment check updated for iOS	In work done previously, a change was made to append a UUID to the attachname when the device = mobile and browser = Apple Safari. This was done to prevent photos captured through the camera app from being treated as duplicates when being attached to a case and was in response to the iOS default of naming all of the camera uploads as "image". As a side effect of this, UUID was also added to the images/photos uploaded through the gallery/library of an iOS device with the result that uploading a previously taken photo called 'image_205589' became a unique filename with the UUID added which was able to bypass a check for duplicate uploads. To address this, an update has been made to only add the unique ID when the filename is exactly equal to "image" and the upload is from an iOS device.	Low-Code App Development
INC-A21070	835263	Localized Constellation application label character count limit removed	An issue was seen when trying to create a Constellation application with the locale set to "de_DE" (Germany). This was caused by the field value text CosmosReactApplicationTemplateLabel being limited to 200 characters; because the German translation exceeded that count, the creation failed. This has been resolved by removing the character length validation for the localized value from the activity pzValidateApplicationTemplateSettings.	Low-Code App Development
INC-A24726	843940	Application Wizard security updated	Cross-site scripting protections have been updated for the Application Wizard.	Low-Code App Development
INC-A25634	868714	RecordAPI logging added	Additional diagnostic logging has been added to track context and decisions made for the RecordAPI.	Low-Code App Development
INC-A28855	874606	Corrected repeat of ConversationFlow called by Create Case Shape	When a conversation flow invoked using CreateCase shape from a conversation flow was advanced to the end, it started from the beginning of the invoked flow again. If the same flow was started and advanced without using CreateCase, the start over did not occur. This has been resolved by revising the conversational "create case" shape logic to use the create top case functionality instead of a custom function.	Low-Code App Development
INC-B11364	868335	Function pxIsInListOfValues updated for improved backwards compatibility	After update, a function which previously evaluated to true when certain values were empty changed behavior to evaluate to false under the same condition. This discrepancy stems from a change from the previous regex method for splitting the listOfValues to using Apache Commons CSVParser logic. In this particular scenario, this update changed the behavior of the function @pxIsInListOfValues() thereby causing the when rule to return false and thus all the offers were filtered out by one of the proposition filters that used this when rule. In order to support backwards compatibility, an update has been made which will return true when listOfValues is empty and value is blank.	Low-Code App Development
INC-B12444 HFIX-B991	864836 864493	Corrected chat transcript migration for authenticated events	After update, chat transcripts for older cases were not visible. This has been resolved by updating the migration mechanism used by pyHistory for outbound authenticated events.	Low-Code App Development
INC-B12671	862301	Security improved for exporting CSV	The Export to Excel function has been updated to improve security when handling CSV files.	Low-Code App Development
INC-B15287	868501	Corrected two pyEmails created on OEML cases	After creating a case and sending an email to a customer, the customer reply on the same thread created another pyEmail on OEML correspondence case. This was a missed usecase for "New outbound email" and has been resolved with an update to pzCreateInteractionReply.	Low-Code App Development
INC-B16631	869697	Corrected truncated error message text display on hover	When using the Expression Builder and there is an error on the test, the error message was truncated and the full text was not visible on hover as expected. This was traced to an error in the pzEllipsis control, and has been resolved.	Low-Code App Development

Ticket #	Issue #	Title	Description	Product Area
INC-B16799	877468	Engagement policies populate correct data in edit mode	Changes to action engagement policies/when rules in engagement policies were not propagated as expected. This was traced to incorrect rule resolution logic in pzLoadUserFriendlyWhenConditionRows, and has been corrected.	Low-Code App Development
INC-B20251	871558	Case data object security updated	Cross-site scripting protections have been added to the case data object creation activity.	Low-Code App Development
INC-B20714	872617	docx4j library updated	Values were not populating in a Microsoft Word template using Pega property references, and opening a document created from a Word Template with Pega property references generated a popup with the message "Word found unreadable content in <File Name>. Do you want to recover the contents of this document? If you trust the source of this document, click yes". This has been resolved by updating the docx4j library.	Low-Code App Development
INC-B21921	872016	Added handling to avoid duplicate queue creation	When incoming messages were sent rapidly, multiple chats with agent case types were called during the queuing process. This resulted in duplicate conversations being created in the Customer Service layer with a single customer session having multiple conversation IDs created and routed to multiple agents. Some agents received an "Assignment not found" error. To resolve this, an update has been made to suppress the duplicate escalations. The customer will see a system message such as "Your request is already under process" which can be customized in the 'cyDuplicateEscalationMessage' question rule. In addition to this, the 'cyDeleteDuplicateQueuedChat' queue processor has been added to delete the queued duplicate conversation if one is created while one is already in process.	Low-Code App Development
INC-B22756 INC-B24711 INC-B3573	873822 875470 878950	#resolvedissues note: Corrected null pointer error for decision tables	After upgrading Pega 7 to Pega 8, a null pointer exception occurred when evaluating a decision table. This was traced to the engine rule classes expecting the parameter page in a different format, and has been resolved by copying the paramPage to another page using copyValues(false) when the param page is instance of ComplexParameterPage, and doing action on this new page and on original page when page is not complex.	Low-Code App Development
INC-B23721	878559	Updated image tag handling for downloaded case emails	Email attached to a case using a send email automation step was in HTML format when downloaded and inline images were missing. This has been addressed by adding logic to replace and convert the image tag src attribute value from a relative path to base64.	Low-Code App Development
INC-B25455	875214	Logger Category Name correctly marked as mandatory	On creation of a new logger category, the Logger Category Name field was not marked as mandatory. This has been corrected.	Low-Code App Development
INC-B26810	877753	Added exception handling for missing LinkAttachmentToCase parameter	Inbound email with an attachment was encountering a null pointer exception due to a missing required parameter, WorkInsKey, which is used by the activity pxLinkAttachmentToCase. This exception has been handled with an added condition to check if the service case is present, and will exit the activity if the parameter has no value.	Low-Code App Development
INC-B335	861885	Corrected branch development handling for Production rulesets	After adding a production ruleset to the application definition and access group, a test branch was created and then all rulesets were locked. It is expected that the branch will only be for the top ruleset of the current application, but in this scenario branches were created even for the Production rulesets. When branch development was enabled through the Branch Development Toggle icon on the top right corner of the screen, the Production ruleset was being populated as default. Attempting to change that to some other value reverted back to the Production ruleset value. This is incorrect behavior as Production rulesets should not appear in the list. These issues have been corrected.	Low-Code App Development
INC-B340	849395	Added handling for special BranchID value	Unexpected errors were seen on the datapage during validation. Investigation showed the datapage contained an input parameter for "SkipNoBranchOption"; if that is false, the datapage will add an extra result with pyBranchID "---" for the 'No branch' option, but these characters were not supported in the edit validate rule on pyBranchID. This has been resolved by adding handling for the value = "---".	Low-Code App Development
INC-B8351	862181	Appstudio overview screen color contrast improved	The background color for the Appstudio overview screen has been updated in the pz-app-dashboard CSS file for improved accessibility.	Low-Code App Development

Ticket #	Issue #	Title	Description	Product Area
INC-A21383	863721	Updated logging for invalid case types	The presence of a bad/missing case type causes an error to happen in case-related processing logic. This error is caught but a bad step status was still set with the "Failed to find a 'RULE-OBJ-CASETYPE' message, and this message was not being logged. This has been addressed with an update so that Validation for Applications flags invalid case types. The runtime case logic will gracefully handle the error situation and clearly notify the application owner of the problem.	Mobile
INC-A25025	846330	Decimal value properly rounding on Mobile	Decimal values in a number UI control were not rounding properly for offline Mobile. This was a missed use case, and has been corrected.	Mobile
INC-B11890	869989	Radio button focus behavior customizable for mobile	The default behavior for radio button focus on mobile devices is to move focus away from where the action was triggered following a refresh event. To enable customizing this behavior, a global flag has been added. Set "pega.ui.bEnableMobileFocus" to true in userworkform to maintain focus on the button after a refresh action on mobile.	Mobile
INC-B12458	862127	createPDF action updated for QR codes in offline mobile	Preview was not working for offline mobile when a QR code was included in the PDF. This has been resolved by adding base64 image field support for the PDF generator in Client for Windows.	Mobile
INC-B12602	879245	Added handling for iOS scroll issue	When using multiselect or autocomplete on iOS, multiple scroll/swipe motions were needed to be able to scroll up or down in the list. This issue was seen on iPhone when the minimum search character setting was 2, and has been resolved with a check for iPhone so that when the result div is not present, scroll to top executes after the keyboard is open.	Mobile
INC-B14995 INC-B13626	870601 866599	Corrected multiselect and autocomplete handling for touch screens	The multiselect and auto complete controls were not loading the data when a touchscreen was used and the source for the control was a data page. The data loaded as expected when using a mouse. This has been resolved by adding the needed target element in the success function in Control_multiselect.js.	Mobile
INC-B19548 INC-B19829	869098 869916	ZIP files correctly packaged for offline mobile	ZIP files were not correctly packaged as BINARY when using offline mobile. This has been resolved by adding zip and bin extensions to the binary files list.	Mobile
INC-B20939	871355	Client for Windows supports custom datapage for PDF generation/download	In order to improve case handling, an API has been added to the PDF generator in Client for Windows which allows generating PDFs from a custom datapage. This supports the use case of a single button to download all attached PDFs within a given Case type as a packaged zip file. For more information about this API, refer to the "What's new in Pega Client for Windows" documentation.	Mobile
INC-B7021	871233	Alert announced by Android/iPhone	VoiceOver in iPhone/Android was not announcing 'Alert' for the error icon on a page level error message. This worked as expected for desktop. Investigation showed the page level validation message on the alert icon was being picked as "center panel region landmark" instead of "alert", and this has been resolved by adding the Alert word in py-cosmos-helper-classes.css so it is read as expected.	Mobile
INC-B9657	863579	Updated handling for autocomplete cancel button in mobile	When using an autocomplete control in a mobile screen with full screen enabled, navigating to the autocomplete, clicking on it to launch it in full screen, and clicking cancel without entering any characters did not close the autocomplete as expected and the screen froze. This was traced to a javascript error caused by the system expecting a popup from the autocomplete which was not generated, and has been resolved.	Mobile
INC-A30085	854710	Get next work supports fetching cases from multiple application	The documentation regarding the logic for selecting the next work assignment has been updated to clarify that the Get Next Work functionality retrieves assignments from all the applications to which the user has access.	Project Delivery
INC-B19849	877363	Documentation updated for testing repository connectivity	The documentation for creating an S3 bucket repository and configuring an authentication profile has been updated to clarify that if the authentication profile is changed, the repository must be saved again to avoid the system testing the cached version and producing erroneous results.	Project Delivery

Ticket #	Issue #	Title	Description	Product Area
INC-B9024	862963	Constellation documentation updated regarding editing user profiles	An update has been added to the documentation to clarify that the Constellation UI does not support the ability to edit the user profile through the Constellation DX API. As a work around, it is possible to open the user profile harness from a traditional application with Theme Cosmos and provide a link to the page in the Constellation application.	Project Delivery
INC-A24184	860832	Custom search with pagelist functions with SRS	After migrating to the Search and Reporting Service (SRS) from Elastic search, the old implementation of a custom search was no longer working. This has been resolved by adding the DSS "enableOrInFilterValue" to control processing OR in the search filter value.	Reporting
INC-B10322	867030	Handling added for embedded properties in a sub-report	After update, reports containing a specific sub-report could not be saved and an error was generated related to two columns present in the sub-report. Investigation showed the Propinfo had a null value, and this has been resolved by adding logic to handle embedded properties and validate them.	Reporting
INC-B12870	868134	When condition updated for Live UI button	After update, the Live UI button was being populated in reports for end users. This has been resolved by updating the when condition of pyEnableUIInspector in code-Pega-list.	Reporting
INC-B13389	864587	Report name with special characters displays correctly	After update, a report name containing special characters showed the ASCII values in the tab names. This has been resolved by updating the RDWinTitle control.	Reporting
INC-B13561 INC-B24931	868296 877719	DSS added to control descendant class lookups	In some use scenarios, system performance can be severely impacted by thread blockage around ClassMapImpl when there are saves of the Rule-Obj-Class records and Rule-ClassMetadata records linked to the data tables. To address this, the DSS useClassMapForDescendantClasses has been added to allow modifying the behavior of descendant class lookups and use the Classmap in memory instead of the Database. The default for this DSS is false, which directs lookups to use the database.	Reporting
INC-B16714	875594	Hyperlinks open as expected in scheduled report	After enabling "Embed link to output in notification" in a scheduled report, the "please click here to see the output" hyperlink in the generated email did not work. This has been resolved by adding the storageType in the pyActionAttachFileToWO.	Reporting
INC-B17668	867690	Support added for disabling SRS Incremental Indexing before migration	In order to improve the process of migrating to externalized search, an update has been made which will disable the Search and Reporting Service (SRS) incremental indexer when SearchCapability.SRS_ALLOW_INCREMENTAL_INDEXER is not activated. This capability should be deactivated only in the following scenarios: 1) environments with SRS and the migration in the state 'Ready'; and 2) environments without SRS.	Reporting
INC-B18313	872432	Restored date format for report prompt filter	After upgrade, the date format in the report prompt filter was displayed as a timestamp value such as '20240609T045800.000 GMT' instead of the previous format of 'June 9, 2024'. This was traced to an incorrect behavior in pzResolveCopyFilters for DateTime and has been corrected.	Reporting
INC-B22380	874334	Corrected error on reordering of report columns	After update, reordering the columns in the report browser generated a "contact your system administrator" popup error. This was due to previous work done which enabled invocation from browser for report filter actions, and had been corrected.	Reporting
INC-B22862	874550	Improved performance for BIX extraction to CSV	BIX extractions to CSV run via job scheduler were taking significantly longer to execute after upgrade. Investigation traced this to a check on the value of the DSS setting enableDefaultDelimiterForMSExcelInCSV which was being run multiple times in a while loop during the execution of the internal.access.ExtractImpl.addCSVData method. To resolve this, the addCSVData method has been adjusted so the DSS check happens once before it goes into the loop and it is not done at all within the loop.	Reporting
INC-B23827	877819	Corrected exception for Report Browser column drag/drop/delete	While editing a report in the Report Browser, drag and dropping a column or deleting a column generated an exception. This was traced to a code error in the pzPostReportConfigSection activity which added an additional condition to the 'when', and has been corrected.	Reporting

Ticket #	Issue #	Title	Description	Product Area
INC-B4697	861762	Copy/Move Report Definition Shortcut behavior updated	When trying to copy a report shortcut to the same category of the Report Browser, the error message "Category name: This report shortcut already exists in this category. Please select a different category." was displayed. However, in the backend, the report shortcut was created in open rule set version and deleted from the existing locked rule set version. Investigation confirmed that for Copy to Same Category, the error was shown but it still created a new record in an open available ruleset and deleted the original one. For Move to Same Category, no error was shown but a new record was created and the old one was deleted. To resolve this, for Copy to Same Category, an error will be generated and the new record will not be created. For Move to Same Category, an error will be generated and the record will not be created. A check has been added to ensure that pxCreateRecord should happen only when the Category is not the same.	Reporting
INC-B6183	856596	Reports clickable on list view	After update, the clickable rows used to access the respective reports were no longer functioning as expected when accessing the reports section and choosing to display all reports in a list view. Investigation showed the pyReportBrowserAllReports section was missing an action set when the Optimize code checkbox was checked, and this has been added for onclick rows.	Reporting
INC-B7958	865462	Corrected distortion while scrolling fixed header alignments	When the "Do not scroll header" checkbox was enabled, the report column headers were becoming jumbled at run time. This has been resolved by updating pzPega_ui_grid.js and adding the necessary CSS for a fixed header to pyReportEditorStyling.	Reporting
INC-B9677	867355	Bix CSV extract files for child cases include headers	When the "-c" option for BIX was used in Pega Cloud to include child case data in the CSV extracts, the child extracts were produced in files separate from the parent cases and contained only the data lines while the parent extract also included the column headers. This has been resolved by adding the necessary support for the headers to be included in the child data file.	Reporting
INC-B9729	869270	Updated empty value handling for validation of custom filters in reports	In some specific scenarios when the validation failed for a report with filters in a custom section using multiselect controls, the system displayed a Pega internal error screen instead of displaying the expected error message and a java error was logged. Investigation showed the Filter Operation in pyContent of the pzValidateCustomFilterSection had the value IS NULL at the initial point of the report definition, and this was carried over into the later process. This has been resolved with an update to pass the value as = instead of IS NULL to match the filters in the pyBody of the RD.	Reporting
INC-B7968	861647	Observability increased for SAML WebSSO request	In order to assist with troubleshooting the logged error "Caught Exception while validating SAML2 Authentication response protocol : SAML token security failure", the observability has been increased to identify what attribute in SAML Assertion is causing validation failure.	Security
INC-A24541	866153	Updated handling for custom browser CSP	After introducing a separate application for handling the unauthenticated browser context (requester type Browser) with a very strict Content Security Policy configured as blocking, attempting to log in to an application in the platform failed when authentication was passed in context of the local access group. Investigation showed that after configuring different CSP policies for unauthenticated context at the application level and user-specific application level with varying CSP modes, users were receiving both CSP headers after logging in. To ensure that only one CSP header is present at any given time, updates have been made to remove both CSP headers from the response headers map before replacing the values with the new policy.	Security
INC-A28575	875282	Added basic authentication handling for modified API servlet mapping	Changing the default servlet mapping to disable PRBasic authentication or move default /prweb to map to PRAuth authentication caused the API calls that used defined authentication in the service package to stop working. This has been resolved by adding logic to support basic authentication type when basic authentication is selected for services where the * url pattern is mapped to PRAuth.	Security
INC-A29484	855139	Cross-site scripting protections updated	Cross-site scripting filters have been added for dynamic layout sections.	Security

Ticket #	Issue #	Title	Description	Product Area
INC-A3941	836302	Stacktrace suppressed when OAuth2 token is expired	Numerous errors related to JSON Web Tokens (JWT) were logged, including messages that the JWT was rejected during signature verification due to a bad signature or being expired. This has been resolved with an update to suppress the stacktrace in logs when the OAuth2 access token is expired and only print the error message. If log level is debug, a complete stack trace will be printed.	Security
INC-B12748	865818	ABAC policy conditions updated to include descendant classes	When running a report definition on a case class which has class specialization on it, the report returns rows (cases) from all of the specialized classes as expected when the "Report on descendant class instances" option is checked. If an ABAC policy is implemented for this case type to enable row level security and the policy condition uses a property on the case itself, the report eliminates the rows that do not meet the condition as expected. However, if the policy condition used an association rule to join with a data class (or another case class) to perform the check, the report failed to fetch any of the case instances from specialized classes even when the policy condition was satisfied. This was caused by the ABAC policy conditions that use associations not including descendant classes, and has been resolved by updating the file PolicyConditionActionAssembler class with the new entries.	Security
INC-B13609	870915	Improved accessibility for focused empty labels	The screen reader was announcing 'space, space, space' when there was a visible focus on an empty space. This has been resolved by updating the pzMFAForm harness to replace the container with screen layout and embed the section.	Security
INC-B15155	868913	Diagnostic logging added for logout issue	Additional logging has been added to assist with diagnosing issues related to pxStopPending causing unexpected logout.	Security
INC-B17248	867779	Trim added to authentication key construction scope	Trying to make API calls using an OIDC token from an active SSO session generated the exception "Unable to obtain access token for client details in authentication profile configured for connector." Investigation showed there was a scope issue while constructing the key, and this has been resolved by implementing trim during this process.	Security
INC-B17764	868629	Corrected handling for Constellation authorization header	When attempting to invoke an embedded logout method that did not have secureCookie='true', the Service Broker revoke transaction had an incorrect authorization header for the transaction. This has been resolved with an update to avoid using default headers for revoke tokens.	Security
INC-B19337	877617	Field values security updated	Cross site scripting filters have been added on Field Value strings.	Security
INC-B20617	876581	OpenRule control replaced with OpenRuleAdvanced for BAC handling	After upgrade, the 'skills' & 'availability' item sections pyChangeOperatorSkills and pyOperatorAvailability in the navigation menu pyProfileHeaderMenu were generating a 403 error for end users but not for admin users. This was traced to BAC registration issues with the OpenRule control, and has been resolved by replacing OpenRule with OpenRuleAdvanced which contains pzEncryptURLActionString.	Security
INC-B20904	872588	Corrected page render for pxDefaultSecured CSP rule	Executing the rule 'pyStatusResponse' standalone by using the pxDefaultSecured CSP rule in the Reject and Report mode did not load the page as expected. This has been resolved by adding the domain "https://fonts.googleapis.com/" in the style-src directive of the 'pxDefaultSecured' CSP rule.	Security
INC-B22806	877845	Improved database table connection testing security	Cross-site scripting protections have been updated related to testing the connection to a database table.	Security
INC-B23015	874339	Updated OperatorID security	Security has been updated for the OperatorID clipboard page.	Security
INC-B23403	875644	Sanitizing filters added for query parameters	Cross site scripting filters have been added to the URL query parameter input.	Security
INC-B7191	859927	Corrected filtering for certificate expiry notifications	The pxfetchRequiredCertificationForNotification report definition was fetching all the available certificates in the platform irrespective of the "No.of.Days" filter condition in the configuration. This has been resolved by adding the parameters daysToExpire and notificationInterval to the filter criteria so only those certificates that are expiring based on the "Send expiration notifications before (days)" value will be retrieved.	Security

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INC-B8872	865595	Corrected NoInformationRecognized code for PRauth	The field value "NoInformationRecognized" is available for updating the error message associated with incorrect login credentials, but the updated error message worked only if requests contained "/prweb". The configured error message was not shown for requests with /PRAuth. This was traced to a typo in the PRauth code which caused it to not override the value from the NoInformationRecognized field; this has been corrected.	Security
INC-B9267	874631	Email work link correctly routes to the case after MFA	Clicking on a work link in an email moved to the MFA screen as expected, but once the MFA authentication was done the user was routed to the dashboard instead of to the case screen. This was traced to the URLRedirection for correspondence email not having the required parameter to open the case when Login Service Selector screen was called, and has been corrected.	Security
INC-B12578	865611	Additional passivation logging available	In order to assist with diagnosing an intermittent issue with data loss when submitting from one screen to another, additional logging has been made available for the passivation APIs.	System Administration
INC-B11448	866873	Made message processing flow more robust against heavy loads	During periods of heavy system load, the data flow thread might receive the Kafka confirmation slightly later than usual and overlap with the queue processor thread reading the message and starting to process it. If this occurred during the queue processor's thread experiencing an issue and re-queuing the message for another attempt, the data flow thread removed the message from the database while it was still being processed by the queue processor thread. This race condition has been addressed by modifying the database query for removing the message.	System Administration
INC-B12042	866876	DSS added to change casing for queue processor's Kafka topics	Some sites have a limitation of creating Kafka topics only in lower case in the external enterprise Kafka cluster for the stream service. To better support moving to Kafka externalization, a DSS has been added to change how the queue processor's Kafka topics are named (lower vs upper case). Set the value to the desired strategy; allowed values are: UPPERCASE - for pzStandardProcessor queue processor the stream name will be PZSTANDARDPROCESSOR and Kafka topic name will be: pega-PZSTANDARDPROCESSOR - this strategy is used as the default; LOWERCASE - for pzStandardProcessor queue processor the stream name will be pzstandardprocessor and Kafka topic name will be: pega-pzstandardprocessor; To apply the configuration naming convention all nodes need to be restarted simultaneously (not a rolling restart), then stale Kafka topics must be manually removed as these are not removed automatically.	System Administration
INC-B13493	868012	ZoneDateTime used for dayoffset in Daylight Savings Time scheduler calculations	The Calendar Class was not correctly handling Daylight Savings Time when calculating the next run time if the job was scheduled at the exact time change, for example summer 02:00am in Europe/Warsaw. To resolve this, the Calendar Class has been replaced with the ZoneDateTime class to add dayoffset, which provides correct calculations for DST for a specified time zone.	System Administration
INC-B17068	873495	Markdown library update	The markdown library has been updated to the latest version.	System Administration
INC-B17182	872742	Added explicit websocket close for Robot activities	Robot activities were not being invoked by data pages after a prolonged (several hours) period of working stability. This was traced to the websocket sessions not getting closed properly, causing the connection limit to be reached. This has been resolved with an update to explicitly close the session after the message is received from the message service.	System Administration
INC-B17485	871619	Disabled queue processors filtered from alerts	PEGA0137 Alerts were being reported for disabled queue processors. To resolve this, filtering has been added which will be applied before the alerts are sent.	System Administration
INC-B18402	871092	Updated logger handling for PRPulseDispatcher class	The campaign process program run status was not progressing to the completed state, and error were generated indicating "Invalid value for aClassName passed to .createPage:Failed to get column mapping for property Data-BatchOutPR132.pySubjectType". This has been resolved by modifying the logger for the PRPulseDispatcher class to continuing pulse processing even after pre-processing failure.	System Administration

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INC-B18834	872631	JobSchedulerLifecycle logging warnForced	The warning message "Detected duplicate job scheduler execution. Skipping execution." was being generated unnecessarily for sites running job schedulers on multiple nodes. To address this, the warnForced log line in PersistentJobExecutionFactory has been updated to a debug message.	System Administration
INC-B2470	861916	External Hazelcast v5 startup updated for use with Oracle use	When the Weblogic server was started using Hazelcast v5 with Oracle, multiple errors were generated including a null pointer error. This was seen with Oracle deployments but was not encountered with tomcat,postgres deployments, and has been resolved by refactoring the Hazelcast v5 initialization flow to mitigate startup failure for the prcluster_service.	System Administration
INC-B5470 INC-B12898	867557 876681	Optimized APIs added to improve lag calculation for external Kafka	When an enterprise-level Kafka cluster is hosted in multiple regions with multiple Kafka racks and many Kafka brokers, Pega's partitions can be stored anywhere in the cluster. This can drastically impact the network latency for the Kafka API calls that perform the lag calculation process to render the "Ready to process" values in the Queue Processors landing page, as the underlying mechanisms used for lag calculation need to complete the entire process within 30 seconds to avoid a timeout exception with the error message "Unable to calculate lag for <QP-stream-name>". To address this need, new stream SPIs/APIs have been added which provide significant optimization in obtaining offsets in a faster fashion with reduced total number of Kafka API calls.	System Administration
INC-B5791	861688	Processed count data type updated from integer to long data	The records processed in last hour count was always shown as 0 in Admin studio for a queue processors handling an enormous number of records each day. Investigation showed the queue processor had more than 6 billion processed records, which exceeded the allowed limit for integer. This has been resolved by changing the integer data type to long data type.	System Administration
INC-B7039	865513	Additional logging information added for purge agent	In order to assist with diagnosing issues with the purge agent not cleaning up instances as expected, more detailed log statements have been added to the RAPurge function.	System Administration
INC-227483	775404	Corrected user portal harness issue for Cosmos	The user portal was not correctly rendering in Theme Cosmos when set as a single page. This has been resolved by updating the handling for the Show-Harness and Show-Property activities.	User Experience
INC-A14835	830561	Updated scroll handling for flow in modal window	When a flow was used in a modal action event, refreshing the modal window or moving the flow to the next task resulted in the modal window itself moving when a scroll was performed in the main page. This has been resolved by updating the modal container handling of the overflow scroll for this usecase.	User Experience
INC-A15251	835004	Interaction remains open after submitting task	After opening the email reply dialog of an incoming email interaction and then minimizing the dialog again, adding a task from the task menu and submitting it would close the task but also unexpectedly closed the email interaction. This only happened if a single task was added; adding multiple tasks or showing the confirm harness after submission did not close the entire interaction on submission. This has been resolved by updating the code in the AutoClose section.	User Experience
INC-A18620	833832	Resolved table layout validation	The UI was becoming distorted when validation was triggered for a property added to a column inside an optimized table layout, and it was no longer possible to add anything in the table due to the the text-input field disappearing. An error icon was seen. This has been resolved by updating the pzbase-grids CSS.	User Experience
INC-A20262	867368	Added handling for special characters in KM article titles	Attempting to open a Knowledge Management article in the Customer Service application failed to load the content in the popup window if there was an apostrophe in the article title. This has been resolved by escaping the special characters in the window name parameter of the Show Harness action when the target is a popup.	User Experience
INC-A23427	849454	Default application image correctly available in Mobile	When using Switch Application on desktop, the default application can be identified from the image available on the left side of the application. Using the same configuration for Mobile in Navigation – MobileIconBar the image on the left did not appear. This was traced to the pyChecked and pyRadio attributes not being correctly populated as string literals in the mobile configuration, and has been corrected.	User Experience

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INC-A23866	838646	Updated Rich Text Editor resize and accessible label	The option has been added to toggle the availability of the resize button on a Rich Text Editor area using the enableResize setting. The default for this is =true to make the resize available. In addition, a label has been added to the Rich Text Editor keyboard icon with an associated tooltip to improve accessibility.	User Experience
INC-A24366	842945	Background color maintained when spellchecker is called on-change	If a section had one or more text areas and a Rich Text Editor configured with a spell checker action on change, an incorrect spelling caused all text areas on that screen to become yellow. Investigation showed the repaintTextArea function was incorrectly being called by spellcheckerscript.js for all text areas in the document, and this has been corrected.	User Experience
INC-A27098	842790	Corrected UI Accessibility_ Filter application with ESC key	When using a table list, clicking on the filter to investigate the required value and hitting ESC to exit resulted in unexpectedly applying the filter as if "Apply filter" had been clicked instead. This was traced to the filter popover passing 'reason' as an empty string in this scenario, and this has been resolved by adding a check.	User Experience
INC-A27311	843688	Page number field made editable	The page number field could not be edited in a table in the dashboard portal. This has been resolved by updating the handling in the GridActivePage control to allow an onchange of the pageNumber field.	User Experience
INC-A30206	846623	Non-actionable Google access errors suppressed in TrackingMap logs	After update, an excessive number of exceptions were being logged when using the pyTrackingMap UI Control. These were related to "isGoogleSupported" and did not impact the control's function. To resolve this, the logging has been addressed with an update to suppress the errors.	User Experience
INC-B10225	873841	Required field indicator handling updated for accessibility	The required field indicator '*' was not appearing when tooltip and required were configured on the control. Investigation showed both client side and server side validations were executing after the tab key placed the focus on the next field, causing JAWS and other accessibility tools to either read a control that became disabled/read-only or a field which had become editable was missed altogether. This has been corrected.	User Experience
INC-B10230	863325	Security improved for autocomplete	Cross-site scripting protections have been updated for autocomplete.	User Experience
INC-B10809	864663	Spell checker styles removed on Rich Text Editor section refresh	When an incorrectly spelled word like "test mesage" was entered into a Rich Text Editor control, clicking on spell check highlighted the error, but clicking outside of the area did not remove the highlight during the refresh section action. This was a change in behavior from previous Pega Platform versions, and the regex has been updated to restore the expected clearing of the highlighting.	User Experience
INC-B10814	864863	Header values provided to resolve upload errors	When trying to upload the localization Excel sheet, a 403 error was generated and errors indicating the request had an empty CSRF token and a null BrowserFingerprint were logged. Investigation showed the upload API call was missing the required header values in the post request for X-Requested-With, pzCTkn, and pzBFP. This has been corrected.	User Experience
INC-B11290	862165	Updated preserveClientChanges handling for Form Refresh	After performing a Form Refresh and removing values from the fields, those cleared fields popped up again during attempts to enter a value in a different field. This was traced to the redux state still holding the previously entered value due to the handling for preserveClientChanges when combined with dataChanges containing a user-selected start date time, and has been corrected.	User Experience
INC-B11529	863371	Application is accessible at 150%+ zoom	When the portal was rendered at 150% zoom or more, there was no option for keyboard users to close the navigation menu until a mouse click was performed or an option was selected from the menu. This has been resolved by adding the necessary handler.	User Experience
INC-B11674	878303	Corrected portal rendering when switching applications from new work object tab	When working with two applications, opening a work object in a new tab and then switching applications resulted in the second portal loading only left navigation while the main content remained blank. This has been resolved.	User Experience
INC-B12101	862715	Added setting for allowcustomtags in Rich Text Editor	After update, custom style tags were being removed when using the Rich Text Editor. This was an unintended side effect of work done to enhance cross-site scripting protections for the Rich Text Editor control, and has been corrected.	User Experience

Ticket #	Issue #	Title	Description	Product Area
INC-B12263 INC-B21999	873872 874801	Corrected nested layout group tab headers	When multiple layout tabs were present, including nested layout tabs, and there were more than 10 tabs open, selecting the last indexed tab from the dropdown caused the tab headers to scroll back to the extreme left and hide the selected tab. This was traced to an incorrect calculation for the right side navigation control in the "_slideEnoughToBringSelectedHeaderIntoFullView" function in layoutgroup.js, and has been corrected.	User Experience
INC-B12407 INC-B12602	870538 865473	Corrected multiselect display for iOS	The multiselect list was not working as expected on iOS. Investigation showed the calculation for height and top position in mobile were not correct when mobile height is small and the results were shown in a specific fullScreen scroll container. This has been resolved with an update to fix the gap and input visibility issues of multiselect and autocomplete in this scenario.	User Experience
INC-B12432	868841	Modal context preserved for Constellation Page-Set-Messages	When running the Search and Select pattern within a modal which included a custom Data Transform to set page messages through page-set-messages activity, these messages were displayed in the review harness but not in the modal itself. This was traced to previous work to not add messages to the work area context and rather do it on the primary context, and has been resolved with an update to ensure context will not be trimmed if it has a modal for an error message.	User Experience
INC-B12739	865764	Mandatory field warnings cleared correctly when using RefreshData	Mandatory field warnings cleared correctly when using RefreshData When using Constellation, a validation error for a required field was not cleared when a value was set using pyRefreshData. This prevented the screen from being submitted, and the error "Cannot be blank" was displayed for all of the error messages. This has been corrected so the field will be validated as expected irrespective of previous validation state.	User Experience
INC-B12766	864580	Corrected button accessibility for close/cancel in case creation	After the case create harness was displayed in a pop-up, the pop-up dialog minimized and the close and collapse buttons were being read as blank by the screen reader (NVDA). Investigation showed the aria-labels inside the header tag were not read properly by screen readers, and this has been resolved by removing the "aria-hidden=true" in the header section.	User Experience
INC-B12824	863464	Security update for Smart Tip	Cross-site scripting protections have been added to the 'Show Smart Tip' feature.	User Experience
INC-B12956	863836	Updated focus order for modal dialog buttons	The focus order of cancel and submit buttons in the modal dialog was not consistent between @baseclass and Work class. The default order has now been set set to first move focus to the cancel button and then to the submit button. This is handled in a new py section "pyModalButtons" which is used inside pzModalTemplate, and the button focus order can be customized by changing the button order in pyModalButtons.	User Experience
INC-B12999	862955	Optimized table has correct row values	An optimized table was showing showing Pega property names as row values after update. This was traced to an issue with resolving the parentPage if the pageList was referenced as a property, and has been corrected.	User Experience
INC-B13349	866730	Accessible filter dialog role corrected for optimized table	When using JAWS with an optimized table, navigating to the menu button on the column header and opening the Apply Filter caused the screen reader to announce both the aria-label and the role. This has been corrected by updating the aria-label for the column filter modal dialog from 'Column filter popover' to 'Column filter'.	User Experience
INC-B13558	867671	Added accessibility for custom validation error message	A custom validation error message was not read by JAWS when set on a property for a text input. This has been resolved by adding a role alert for the custom message.	User Experience
INC-B13743	868372	Cosmos-react libraries updated to resolve styling errors	A page containing Pega web embed with custom DX components correctly displayed on the first load, but the web embed did not display after navigating to a page in the app which did not have a web embed and then returning to the first page with the custom components. This has been resolved in version 4.2.4 of the "@pega/cosmos-react-*" libraries which contains an additional check to prevent these Styled Components errors.	User Experience

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INC-B13759 INC-B24969	866438 876622	Corrected handling for click of Operator image	After creating a case and routing it to a work queue, clicking on the operator image refreshed the case and no content was displayed on the UI. This was an unintended side effect of work done to correct an accessibility issue with the operator icon, and has been resolved by updating the div tag handing for role="img", tabindex="0" in the pxInitials control.	User Experience
INC-B14356	868822	Corrected portal rendering after resize	The top navigation window was not rendering correctly after launching the Provider manager portal and resizing the window to a smaller size. This has been resolved.	User Experience
INC-B14380	864598	Corrected handling for Malaysian date/time	When using the ms_MY locale in an Operator profile, setting the date/time or performing a section refresh generated an error indicating the date/time was not valid. This has been resolved by adding formatting for the values PG (pagi) and PTG (petang) for Malaysian (ms_MY) uses.	User Experience
INC-B14528	875621	Validation message retained on the UI	A non-mandatory property was validated upon submission of the screen, but messages did not stay on the UI under the Property field. Investigation traced this to the system performing a client side validation on blur event, and this has been resolved by removing the client validation on blur event and performing validation only on change event.	User Experience
INC-B14559	866545	Corrected Previous and Cancel button behavior	When there were required fields in the screen, clicking on previous/cancel generated a "value cannot be blank" error. On the second click, the screen moved to the previous screen. This was traced to a validation issue and has been resolved.	User Experience
INC-B14617	866212	Timeline list displays sorted events correctly	When using a timeline view in Constellation with Sorting criteria applied in authoring, rendering more than 1000 records did not always display the most recent entries at the top unless the display was scrolled down and back up again. This has been corrected.	User Experience
INC-B15113	865870	Added handling for missing display field in Constellation	Using a Picklist property sourced from a datapage in Constellation resulted in the message "An internal error occurred. Please contact administrator." This was traced to an empty 'Display field', and has been resolved with an update to the logic which will set the display field value only when available and will otherwise fallback to use the Identifier field for Dropdown&RadioButton if display field is not configured for the property.	User Experience
INC-B15209	870800	Corrected multiselect item delete	Attempting to remove a selected value from a multiselect field within a live interaction by clicking on the cross icon was not working. This was traced to a div focus issue and has been corrected.	User Experience
INC-B15506	871970	Datetime validation message displayed with java edit validate rule	A date time control with "allow text entry" set to No did not display the validation message in the UI even though it was in the clipboard. Investigation showed the div responsible for showing the error was not available in the dom if "allow text entry" is No and the java edit validate rule is used. The same configuration worked as expected if the existing standard validate rule IsFutureDate was used. This has been corrected.	User Experience
INC-B15574	869929	Corrected overlapping columns in Export to PDF	The column that contains the currency property was overlapping with the column to the right of it when exporting a report as a PDF. This has been corrected by updating the pyReport_ExportToPdfStyles.css file.	User Experience
INC-B16001	875111	Supported locales list available	The documentation regarding internationalization and localization has been updated with a list of the valid Locales with appropriate formats	User Experience
INC-B16320	870817	Corrected tooltip overriding control label	JAWS was no longer reading the label of a control after an inline tooltip was added. This was due to the control label being overridden, and as has been resolved by providing an ID for the helper text div and giving it to aria-described-by instead of aria-label.	User Experience
INC-B16345	866726	Clear filter focus outline appears for non-optimized table	An update has been made to correct a missing focus outline on Clear Filter by adding a selector specifically for a non-optimized table filter.	User Experience
INC-B16594	870958	Corrected label default for afternoon period of current date and time	An error in the date/time widget for the current date and time default was evaluating the period between 12:00:00 PM (12 noon) and 12:59:59 PM as AM instead of PM. This has been corrected.	User Experience

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INC-B16914	869818	Added condition to prevent Mozilla Firefox navigation collapse	During runtime in the user portal it was not possible to select any of the AccessGroups using a mouse and the Mozilla Firefox browser. After Opening the dropdown and hovering over the area with the possible options, the whole section collapsed and jumped back to the initial PortalNavigation section. Investigation showed there was a "mouseleave" event called when the mouse is over "select" control options list, which is a behavior specific to the Firefox browser. This has been resolved by adding a condition to not collapse left navigation in this scenario.	User Experience
INC-B17170	871953	Corrected visibility condition incorrectly evaluating to false	If a view contained views/fields with a visibility condition on them, they were not shown even if the visibility condition was satisfied. The views/fields only displayed if the parent view contained at least one field set as always visible. This was traced to the visibility conditions for the fields inside the conditionally rendered EmbeddedData views all evaluating to false when checked by the getComputedVisibility method in corejs. Because a field with no visibility condition was not incorrectly evaluated as false, the view was determined to have at least 1 visible child. This has been resolved.	User Experience
INC-B17397	871481	Removed hard-coded aria-label interfering with localization	When adding a date time control to a section or applying a date time column to a non-optimized or optimized table, the date time calendar icon picker had an aria-label of "Date Picker" which was not translated. This was caused by the aria-label being hard-coded for this field; as the aria-label is not required here, it has been removed to resolve this issue.	User Experience
INC-B17863	878484	Error messages are correctly updated for conditionally visible fields	When a view contained conditionally visible and mandatory fields, the error message triggered when a mandatory field was skipped was not cleared after the answer was updated and submitted. This led to error messages which were previously displayed being shown again with the latest one appended. This was a missed use case, and has been resolved with an update to ensure the error messages are cleared before validating the form while finishing the assignment.	User Experience
INC-B18193	868152	Calendar date picker contrast improved	The background color of the date picker has been updated from #0089ec to #076bc9 for improved accessibility.	User Experience
INC-B18562	874037	Updated Authoring regex for custom true/false condition	A custom condition did not accept 'true' and 'false' strings. This has been resolved by updating the method for the regex matcher in expression.js in Authoring to check for ".FirstName == true" vs ".FirstName == 'true'" so true will be treated as boolean while 'true' will be treated as text.	User Experience
INC-B18735	873737	Home+end works with hidden columns	Attempting to use the shortcut command 'home'+'end' to navigate to the end of the current row of the table was not working when a column was hidden by default within app authoring. This has been resolved with an update to calculate the last cell even when columns are hidden in an optimized grid, and focus correctly.	User Experience
INC-B19809	874041	Localized the fields width and height in the binary field	The fields (height , width) were not localized when delegating binary rules in an Arabic locale. This has been resolved by updating the pzbinaryImage control.	User Experience
INC-B19813	871396	Support added for manual localization rule creation	Attempting to manually create a localization rule via the class explorer did not generate the rule correctly. Investigation showed the localization rule instance was created with an empty JSON object if pxLocaleJson was not present. To resolve this, a pydefault datatransform has been added to handle a localization rule which doesn't has pxLocaleJson defined.	User Experience
INC-B20427	871996	Scroll bar works for disabled text area	Scroll bar was not working for a text area when it was set to Disable the Text Area Always. This has been resolved by updating the disabling CSS to specifically ignore the text area.	User Experience
INC-B20656	870259	Corrected display of readonly hyphen	After update, the "--" for readonly with no value was misaligned for Inline labels in dynamic layouts. This has been corrected by updating the width to 2px for no-value-span.	User Experience
INC-B20809	872123	Stakeholder widget visible in Constellation	A stakeholder widget with an added visibility condition for embedded section was not displaying as expected in Constellation. This has been corrected.	User Experience

Ticket #	Issue #	Title	Description	Product Area
INC-B21180	871598	Corrected activity registration for FieldHistoryCustomAction	Attempting to download the Field History from a case was generating a SECU0019 alert. This was traced to pyExportFieldHistory not being correctly registered when using BAC, and has been resolved by updating the registered activity for the download button in the pyFieldHistoryCustomAction section.	User Experience
INC-B21364	876030	Corrected Print Screen overflow handling	After adding a section containing a read-only text field with a property to a harness with a modal popup, pressing Ctrl+P in the popup generated a Print Screen where blank values were populated as \"No Value\". This was traced to the overflow property being overridden, and has been resolved by updating the CSS to add "overflow: hidden !important;" to class no-value-span in the userworkform.	User Experience
INC-B21747	874055	Validation errors displayed on all embedded records	When validating embedded data, errors did not show up under the fields after the 9th record. No red outline or message was seen even though the error count at the top of the page included the non-highlighted fields and all error messages were listed. This was has been resolved by modifying the regular expression handling to support an unlimited number of rows.	User Experience
INC-B22567	875179	Updated refresh call handling for rapid selection	After opening a case, choosing multiselect options quickly caused the Check Refresh call to fail and already checked items were getting unchecked and then checked again after a successful refresh call. This has been corrected.	User Experience
INC-B22612 INC-B23379	874563 876501	Corrected DirtyCheckConfirm context	If an activity was performed which caused the dirty dialog popup to appear when working within a report with filters, clicking OK to discard the changes resulted in the Home page being loaded instead of any other landing page that was originally selected. Investigation showed the "pyDirtyCheckConfirm" was being called from the @base class section instead of the work-section, and this has been corrected.	User Experience
INC-B22665	877644	Updated container handling for overflow report titles	The full Report Title was cut off when the length of the title was more than the container height. This has been resolved with the addition of a helper class "text-ellipses-2lines" to limit title lines to 2 and ellipse overflow.	User Experience
INC-B22699	876359	Corrected time conversion error in Taiwanese calendar	When using the zh_TW (Taiwan) locale, entering a time between 11:30am-11:59am was converted to PM when saved. This was an error in the date/time conversion, and has been corrected.	User Experience
INC-B22745	877865	Corrected Anypicker scrolling	Anypicker results were scrolling with the parent webpage scroll. This has been corrected by setting height 0 px when the height has been calculated as a negative value.	User Experience
INC-B22996	876290	Text area character count correctly decrements when using voice recognition	The character count on a text area did not decrement as words were added to a text box using Voice Access or other speech recognition software in Microsoft Windows. This has been resolved by adding the necessary code to support this use case.	User Experience
INC-B23036	873701	Corrected uneven row height in grid	After update, the row height of the grid table layouts were not consistent across different portals in the application. This has been resolved by adding "display: none" to the extra span added for for an empty data cell.	User Experience
INC-B23163	877307	Masked values made read-only	After configuring an access control policy to mask certain property values, the masking was performed as expected, but when the properties were included on an editable view they were displayed as editable. When the values were submitted without change, the literal masked value was passed rather than the actual value of the field and validation failed. This has been corrected with an update to ensure masked values are maintained as read-only.	User Experience
INC-B23201	874089	Added handling for localization syncing issue	When using an application ruleset stack with multiple rulesets which each can contain localization records, issues were seen when generating the localization pack due to the pzFetchRecords and pzFetchRecordsForSync reports having conflicting filter definitions about which files to pick and in what order. This has been resolved with an update which will set a filter for the base locale.	User Experience
INC-B23529	878555	Updated XML error handling for Mozilla Firefox	After upgrade, submitting the pop-up screen in the Mozilla Firefox browser caused it to freeze. This was due to a difference in the XML error handling for CalculatedValueTargets which was related to a change in the underlying Java version. To address this, an update has been made to CalculatedValueTargets to use StringUtils.isNotBlank to check if tools.getPrimaryPage().getMessagesAll() is not empty.	User Experience

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INC-B23548	873756	Corrected handling for Japanese double-byte values	After entering a number value like [1] using Japanese IME double-byte characters, moving focus out from the input field cleared the value. This has been corrected.	User Experience
INC-B23770	877552	Filtering supported for pxCreateOperator	Previously, the property pxCreateOperator fetched a list of all operators available in the system and could not be customized. An update has been added to support the option of having a custom datasource for filtering the results list with a "UserReference" type to be sourced only with unique table values.	User Experience
INC-B24642	877603	LocationComponent preserves location value for "Use as it is"	When using using the Address component in Constellation with an address not present in Google, the value was not preserved when selecting the "Use as it is" from the address dropdown and the field was reset to empty after the blur event. This was traced to the value not being set in OnSelectHandler in location component in this scenario, and has been corrected.	User Experience
INC-B24720	876297	Corrected error message color	After update, the error message test background color was gray instead of the expected red banner. This was traced to the layout-noheader-errors class not being present, and has been resolved by adding the needed class pageErrorList layout-noheader-errors and role alert.	User Experience
INC-B24915	876428	Corrected duplicate copy/paste for Rich Text Editor	After update, copying content from "Reflection Workspace Mainframe" by OpenText and pasting into the Rich Text Editor duplicated the value. This was traced to CKEditor treating the pasted input as an image in base64 format, and has been resolved by updating the handling.	User Experience
INC-B24929	877971	Corrected style of stage buttons on chevron	When simple style for buttons was used in workflow chevrons, setting background color in the skin caused poor contrast and resolution. This has been addressed by adding a background color style in the CSS.	User Experience
INC-B24966	875882	Updated autocomplete dropdown accessibility	JAWS was not reading the first value of a dropdown list in autocomplete. This has been resolved by ensuring the live region div is updated when autocomplete results are rendered as a grid.	User Experience
INC-B25264 INC-B18163	876735 872693	Corrected error messages being duplicated	Duplicate error messages were being appended during validation instead of replacing the existing error message for each refresh call when using Constellation. This has been resolved with a check for duplicate error messages before populating.	User Experience
INC-B25266	876126	Empty cells correctly display double hyphens	After update, double hyphens were no longer appearing inside the tables. This has been resolved by updating the CSS to show double hyphens when there is no data in grid cells.	User Experience
INC-B25382	878688	Corrected cleared date field value being repopulated	In a DateOnly field control set to required always, a value which was set through a data transform in a pre-flow action reappeared after having been manually cleared. This was caused by the value being undefined on clear, and has been resolved with an update to set the date value to empty string when clearing it.	User Experience
INC-B25437	876557	Updated modal flowaction for "Close the Work Object"	When using the "Close the Work object" configuration on the last flow action in a case flow under the actions tab, completing the case flow generated a blank space in the portal rather than the worklist as expected. This happened when a work object was opened in review mode and the assignment was opened in the primary Ajax container, and has been resolved with the new function closeWorkObject in the utils file to handle the close of the work object.	User Experience
INC-B26158	876338	Added handling for aborted localization process	The Constellation localization wizard was getting stuck if a localization had previously been canceled / aborted by closing the modal dialog after the Excel/JSON package had been generated. When generating the package the second time, the error "Create new record failed: this instance already exists" was shown. This has been resolved with an update which will delete the old file.	User Experience
INC-B26566	878366	Corrected validation error incorrectly persisting	If a validation error message was triggered on a particular screen by clicking the "next" button, the same message was shown when the "back" button was clicked on the same screen. This has been resolved with the addition of an explicit step to clear context messages from the active work area during navigation.	User Experience

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INC-B3711	858658	Modified flow save functionality	Clicking the save button on any screen in the Quote Flow that had a blank required field was triggering the client side validation even though the flow was not submitted. This has been resolved by modifying the save functionality so the validation error is only triggered if there is an attempt to continue without completing required fields, and saving is permitted at any point in the application process, including the Convert Stage.	User Experience
INC-B3966	854297	File upload alert and busy indicator display in correct position	Uploading a file that exceeded the max upload size resulted in the the file loader alert / busy indicator not being properly centered on the screen. This was traced to multiple modal dialogs and overlays causing incorrect calculations for pega_ui_busyIndicator.js, and has been resolved by setting the active modal as the root element when calling the busy indicator.	User Experience
INC-B4451	852936	Updated handling for Date Picker date out of bounds error	When using Constellation, selecting a date late in a month and then adjusting to a month with fewer than that number of days from the dropdown caused the picker to skip the short target month and display the next one containing 31 days. While there was a workaround of selecting any date from 1-28 from the current month and then selecting the desired month, this has been corrected by improving the handling when switching months of different lengths.	User Experience
INC-B4761	859246	Corrected section grid alignment for To Do	After performing the case action "Save to my worklist" and assigning the case to a logged-in user, the To Do section grid alignment was not correct. This was traced to the showHideAssignmentGadgets function which was attempting to show/hide the hierarchical table sections on some actions. As the hierarchical table section was marked as display: none, the height was not correctly calculated while refreshing the section. This has been resolved with an update to the widget row heights on show of the pxAssignmentView section when the assignment block is visible.	User Experience
INC-B4844	857427	Overflow correctly applied to optimized grid in popup	When there were more than 15 columns in a optimized table displayed in the overlay, scrolling the page up and down caused the column names to come out of the overlay and become disorganized. This issue Issue only occurred when the pop-over was displayed above the grid and contained enough columns to trigger a scroll bar, and was caused by the overlay container with id ="po0" on the first load not having the overflow CSS applied. This has been corrected.	User Experience
INC-B5095	858438	Cancel button corrected for temporary mode	The Cancel button was not functioning on the case worker area when the case was opened in temporary mode. This has been corrected with an update to pycaseactionareabuttons.	User Experience
INC-B5434	855747	ARIA-Expanded set correctly for Accordion Layout Group	When using a custom accordion layout group with "Collapse all panes on load", the screen reader was announcing the state of the button as expanded even though it was collapsed. This has been corrected.	User Experience
INC-B5484	864617	Views dereferenced correctly	When getting the case view data, dereferencing the view with pConnect generated an error and returned null. This was traced to OpenCase returning empty values for pyName, and has been resolved by adding a safe check while resolving the view name.	User Experience
INC-B6140	867335	Filter date selection correctly triggers filter	When making a selection from the promoted filter date icker, the filter was not immediately triggered based on the entered date range and instead required clicking in and out of the field in order to trigger the filter. This has been corrected to the expected behavior of the filter being applied immediately after closing the date picker pop over.	User Experience
INC-B6531	871462	Corrected unexpected scrolling in control timeline details	Clicking on an icon in the control timeline opens the details overlay, but clicking anywhere else to close the overlay caused the screen to move down to the expand icon in the table. This was traced to work done on pega_ui_modaldialog in the performFlowACallback API to check for multiple overlays before focusing into the grid row, and has been resolved with an update which will focus on the table when the overlay launching element is part of an active grid.	User Experience

Ticket #	Issue #	Title	Description	Product Area
INC-B6613	859056	Function onGridFilterClose added to improve performance	In an optimized table, enabling a filter for columns having unique data caused the filter overlay itself to contain thousands of records. Once the filter overlay was opened, subsequent interactions took significantly more time than required. This was traced to the filter body not being removed and the results having an extremely large markup which stayed in the DOM, and this has been addressed with a new onGridFilterClose function.	User Experience
INC-B7407	871131	Corrected reference for child cases in collapseModal function	Creating a child case in a modal window and then deleting or minimizing it before finalizing it caused an incorrect reference to be used for other actions, leading to other child case confirmations being displayed with an unexpected size and placement. To resolve this, an update has been made to set a value for the variable _openCaseOnCreate in collapseModal function.	User Experience
INC-B7782	858201	Save button in pyApproval flow action made available	By default, the save button is hidden in the pyApproval flow action for automation steps. In order to support local use for cases such as completing a lengthy form (HierarchicalForm) in Constellation, an update has been made which will display the 'Save for later' button on an approval step based on the SaveLater visibility checkbox in the pyApproval flow action.	User Experience
INC-B7857	860317	Corrected screen reader announcing \"angle bracket\" in navigation pane	When navigating the left navigation pane, highlighting "create case" resulted in the screen reader announcing "〉" as "closed angle bracket". This has been resolved by adding aria-labels for menu item elements so the screen reader will read only the label.	User Experience
INC-B8352	862195	Added accessible name for iframe	Aria label has been added for the live composer iframe name in App Studio for improved accessibility.	User Experience
INC-B9218	867659	Clarification for keyboard shortcuts instruction	The Text Editor keyboard shortcuts instruction in Knowledge Management article creation has been updated to clarify that "use keyboard shortcuts Alt+F10" applies only when inside the Rich Text Editor body.	User Experience
INC-B9573	861473	Updated handling for autocomplete using datapage query	Autocomplete was not presenting a complete list if the search characters were changed while the data was being loaded. This occurred when the autocomplete was sourced with a datapage and dataapiobj was querable in an embedded data as a fieldgroup, and was caused by the load-more call back setting duplicate items while concatenating the previousItems and searched Items. This was a missed use case and has been resolved with an update to avoid rendering AutoComplete menu items with duplicate keys.	User Experience
INC-B9833	867544	Corrected handling for changing the Display As for an embedded property	After creating a case type in Constellation of an abstract class with properties, followed by adding a page of the abstract class to the case, adding a view to the case type, and adding a property of the abstract class to the view which was then configured, there was no option to change the Display As property. This was due to a missed use case, and has been resolved with an update to get the needed field property for embedded field to display the required configuration.	User Experience