Ticket #	Issue #	Title	Description	Product Area
INC-229623	763198	App Studio case type creation chooses correct ruleset	When the application ruleset had versions such as 01-01-01 and 01-99-01 and 01-99-01 was unlocked, during the case type creation App Studio was always selecting the 01-99-01 version to create the rules even though the application rule had restricted the version to 01-01. Analysis showed the activity PZCREATECASETYPEWRAPPER step 8 was using the GetRuleSetVersion function to get the ruleset version to save all the rules and was always returning the highest unlocked ruleset present for a ruleset. This has been resolved.	Case Management
INC-239347	772003	Improved accessibility for Case Manager	Role ="Main" was configured at two places in the DOM for Case Manager which resulted in a structural error in Accessibility Inspector. This has been resolved by modifying the accessibility of Aria's role from Main to Presentation in the pyCaseManager7 section.	Case Management
INC-245267 INC-243845	759519 767846	Flow error resolved for Split for Each	After completing the assignments in a screenflow launched from a Split for Each utility, a validation error was generated when a second user clicked on the breadcrumb to change to another assignment within the screenflow. This was a missed use case related to the GoToPreviousTask activity (which calls jumpToTask) not getting the correct flow name and task name parameters to navigate due to the split. This has been resolved by adding the new property pxSubscript which holds the flowname with subscript for split flows on pyFlowData.	Case Management
INC-249902	772469	DSS added for MaxChildCasesToBeProcessedInDependency	DSS added for MaxChildCasesToBeProcessedInDependency Very slow Wait shape processing performance was seen when there were more than 499 child cases in a parent case. This has been resolved by adding a DSS to control the processing of dependent cases where Current AG is same as Dependent AG. Use "MaxChildCasesToBeProcessedInDependency", and provide the value for maximum number of cases to be processed in same thread. By Default the value is set to 499.	Case Management
INC-252536	772093	Status visible in history after field auditing	After performing field auditing for the pyStatusWork property and changing the status of the case, the field audit of the case history showed the old value in the UI even though the the D_pxFieldHistory data page had the new value. This was due to some non-autogenerating code present, and has been resolved by reworking the visibility conditions in pyDynamicNewValue and pyDynamicOldVlaue and adding StatusWork in the pyIsControlHandled rules.	Case Management
INC-253340	771195	BAC attachment issue resolved	Clicking "Attach Content" was not bringing up the dialogue box to attach content. Network call logs showed "HTTP 403 error" and a SECU0019 alert was observed. This was an issue with BAC, and has been resolved by registering the AttachmentForECM local action in the Work-.pyAdvancedAttachmentMenu navigation menu.	Case Management
INC-255107	777491	Added update/delete assignment exception handling for bulk approval	When using bulk approval for pending approval cases, the flow was not resuming after a wait shape. This has been resolved by adding exception handling in the pzUpdateAndDeleteAssignments activity.	Case Management
INC-247059	761724	M3 session stopped when node is disconnected	If a node was in the middle of the shutdown process and the logging subsystem already halted, a null pointer error occurred due to the M3 thread waking up every minute to log the JVM metrics. This has been resolved with an update which will stop the M3 session whenever the node is checked and disconnected.	Cloud Services
INC-249636	769492	Consistent Data extraction from emails	When extracting key-word based data from emails, the data extracted from the body or the subject of email was different than the data extracted from the attachment of the email. Investigation showed pyResolvedValue was not passed to D_pzEntityPropertyMap from pyEntities during attachment analysis, causing the case property to take pyValue instead of pyResolvedValue. This has been resolved by adding pyResolvedValue from attachment analysis to D_pzEntityPropertyMap.	Conversational Channels
INC-256209	777216	Resolved datapage error when opening channel email	Each time an email from an email channel was opened, the error "Required parameter 'cid' for data page 'D_pyAttachmentCacheByCid' cannot be blank" was logged. This was traced to using the data page as a step page in the same step when checking for null parameters, and has been resolved by removing the data page as step page.	Conversational Channels
INC-256526	777167	Service case correctly created for email with extended subject line	When the subject on an email was very long, the email triage (ET) case was created but the corresponding service cases were not. This was traced to the subject line being truncated and assigned to pyLabel for the ET case creation while pyWorkPage.pyInbound.pySubject, which held the non-truncated value, was used while creating the service case. This has been resolved by adding .pyLabel to CreateWorkFromMail of Work- class.	Conversational Channels
INC-257145	781025	Corrected extraneous final comment appearing in chat transcript	Downloaded chat transcripts had an additional message from the chatbot, "Sorry, I did not understand that", after the system message "System: The conversation has disconnected". This has been resolved by adding a new check to skip processing an outbound message when a customer has ended the session event.	Conversational Channels
INC-222857	743252	Resolved null pointer error for OpenAPI import	A null pointer exception was generated when attempting to import OpenAPI specification to integrate with the REST API to generate and map request and response for all REST service methods. This has been resolved by adding a null check to propsMap which gets properties from Schema in OpenAPIReaderImpl class.	Data Integration

INC-226843	778722	Updated clearance of stale passivated search data	After performing a search, expanding one of the search results in the work table, and then passivating the session, reactivating the session later and performing a new search populated the table with new results as expected, but expanding an item showed the previously expanded search result instead of the new one. This was caused by stale data holding a page with the name which was passivated but not yet activated, and has been resolved by explicitly removing the passivated page from the mPassivatedPages set.	Data Integration
INC-228124 INC-250963 INC-252455	771912 767025 768794	File Listeners correctly process files from external S3	File listeners were not correctly processing files from S3 storage. This was traced to a null pointer exception in the S3Factory.getTImer method, and has been resolved.	Data Integration
INC-230648	777807	Diagnostic logging added for preprocessing deferred operations	In order to assist with identifying potentially corrupted underlying properties triggering a runtime exception when performing a transfer from the worklist to the work queue, additional diagnostic loggers have been added to DirectStreamEncoderV7.java.	Data Integration
INC-232467	767040	DSS added to control access to lower versions of Rule-Utility-Functions	Some functions which belong to a different application were accessible in activities and started giving an error after deployments to other environments. To address this, the DSS RufFilterByRulesetVersion has been added. The default is 'false' to maintain the current behavior of allowing access; setting it to 'true' will restrict access to Rule-Utility-Functions present in lower major version rulesets. When the value is changed from false to true a server restart is required.	Data Integration
INC-236049	766906	invokeXMLParseRule updated to ensure activityParamPage correctly initialized	After update, a "java.lang.ClassCastException: java.lang.String incompatible with com.pega.pegarules.pub.runtime.ParameterPage" error resulted when calling a connect java rule to fetch data and store it in a data page which was then invoked from another activity called from a flow. Resubmitting the same flow without changing anything worked as expected without error. The issue only occurred when using the Apply-Parse-XML step with a blank ElementName parameter, and was traced to an issue with the parse rule code flow logic where the activityParamPage param was not initialized correctly in every code path. This caused the error when the value had already been set to an incompatible type. To resolve this, the common code for the two invokeXMLParseRule methods has been merged to ensure both add activityParamPage to the paramPage.	Data Integration
INC-237985	775556	Suppressed unnecessary SOAP exception	SOAP service invocations were intermittently failing with the message "Content-Type HTTP header is missing". The Content-Type header is only used as a means to determine the SOAP service method name, which can also be derived from the endpoint URL or the SOAP body. To address this, the SOAPService code has been modified to suppress the exception that was being thrown when there was neither a SOAPAction or Content-Type HTTP header value. If actionToken is missing, the action can be taken from the HTTP body. The system will still generate an exception later if it cannot derive the SOAP method name from other parts of the request.	Data Integration
INC-239789	773083	LRUMap removed to resolve listener null pointer error	The email listener was running but not picking up and processing the records even there were few unread mails in the inbox. The "Last access" was updated periodically as if the listener was monitoring the inbox even though emails remained unprocessed. This was traced to a null pointer exception when retrieving the fresh access token, and was caused by the MSGraphEmailClientProxy class where LRUMap was being used with max size of 50 in a synchronized way. The max limit of the map was exceeded, causing deletion of entries (auth profile name with an object for locking) which led to a null pointer error being thrown while synchronizing on a null object. This has been resolved by removing LRU Map as its hard limit caused an error, and by adding handling that will put the listener to sleep when encountering unknown exceptions.	Data Integration
INC-239993 INC-240101	769234 769231	Corrected From address value when using MSGraph	When viewing an email attachment pop up in MSGraph, the From address was not displayed correctly. This was traced to an incorrect value of the pyFrom parameter due to the principal name value in the email account rule being configured with application settings, and has been resolved.	Data Integration
INC-240298	766841	Corrected harness refresh in Ajax container	Harness refresh was not working in Ajax container tabs. Investigation showed "main" was undefined due to the system not creating the form element when there was only one fieldset in the container, and this has been resolved by updating the submitWhenFail method in pzpega_ui_doc_submit.	Data Integration
INC-240745	754795	Currency code added for Sierra Leone	Support has been added for the new Sierra Leone currency code, SLE.	Data Integration
INC-241055	759632	Reset flag to resolve delegated rules issue	After editing delegated data type and the closing screen, favorite rules were not opening properly and the UI was not displayed correctly. Investigation showed that when editing a delegation data type row, clicking on the close button of the window without saving or cancelling or clicking any where in the screen caused the flag D_DelegationConfig.pyIsFromManageChangeLP to not reset to false, impacting the other rules when opened directly. This has been resolved by adding an update to reset the above flag to false when the close icon is used in this scenario.	Data Integration
INC-243067	764730	Message IDs correctly appended when using MSGraph	After switching to MSGraph, the Message-IDs were not appended to the References header for reply, reply all, and forward, causing an issue when identifying whether a work object already associated with the existing thread was in the system. This was traced to a difference in message ID formats between MSGraph and IMAP, and has been resolved by overriding the updateMessageID() method of MimeMessage class.	Data Integration

INC-243285	764833	Logic updated to handle digital certificates in MSGraph	When using MSGraph, attachments were not being stored if they contained a digital certificate. This was traced to the system failing to extract attachments from email with mimetype application/pkcs7-mime, and has been resolved by updating the logic to handle application/x-pkcs7-mime or application/pkcs7-mime attachments.	Data Integration
INC-244872	764103	MSGraph REST API support	Support has been added for the MSGraph REST API client to send attachments which are greater than 3MB.	Data Integration
INC-245088	765265	Corrected execution calculation for CleanupServiceMonitorInstances agent	When using the pzCleanupServiceMonitorInstances agent to delete the service invocation history records which are older than the specified value in DSS-service/MonitorInstanceTTLMins (in mins), setting a value greater than 35791 minutes caused the time to be miscalculated. This has been resolved by updating the data type from int to long.	Data Integration
INC-247166	766059	Export allows comma separated filter values	Delegated table records were not exporting when there was more than one filter value in the search box. This has been resolved by removing the replace function to enable exporting the record from data type with comma separated fields.	Data Integration
INC-247173	766515	Atmosphere jar updated to resolve screen pop failure	The PegaCall application was receiving screen pop requests from the telephony systems, but there was an intermittent issue with generating a screen pop to the user. No error was generated. This was traced to a null pointer exception related to Atmosphere which was removing the necessary resource for the screen pops from being delivered, and has been resolved by upgrading the atmosphere jar version.	Data Integration
INC-248011 INC-246686	772043 775913	DSS added to skip corrupted BLOB property	It was not possible to open the records if a BLOB contained a corrupted property. To address this, DSS settings have been added which will allow conditional bypassing of a corrupted property during BLOB deserialization. a. Dynamic System Settings short description : propertiesToIgnoreDuringBlobDeserialization Owning ruleset : Pega-Engine Setting purpose : propertiesToIgnoreDuringBlobDeserialization Value : Corrupted property name b. Dynamic System Settings short description : dumpBlobOnDeserializationException Owning ruleset : Pega-Engine Setting purpose : dumpBlobOnDeserializationException Value : true A restart is required.	Data Integration
INC-248681	774816	Correspondence circumstance evaluated incorrectly	When using a circumstanced correspondence template, the base version was retrieved when creating the emails. After re-saving the circumstance definition used for the correspondence template, the correct correspondence template was selected during the email generation. This was traced to the circumstanced definition being filtered during the application calculation, and has been resolved.	Data Integration
INC-249800	768003	Exception handling updated for PRPulseTRREQProcessor	When the PRPulseTRREQProcessor.prprocessMessage method is run, the node.handleTerminateRequestorRequest can throw a com.pega.pegarules.pub.context.StaleRequestorError exception. StaleRequestor handling has now been added to PRPulseTRREQProcessor in order to ensure the System Pulse thread which dispatches pulse messages continues to function properly.	Data Integration
INC-249832	768723	Changed log level to debug for withdrawn rule	Logs were filling with the error "Failed to find a 'RULE-DECLARE-EXPRESSIONS' with the name 'PYLABEL'". This was due to the rule being searched in child class where it was not present and in its parent class where it's withdrawn. To resolve this, the logger level has been changed from error to debug in VirtualTableCandidateRuleResolverImpl.java.	Data Integration
INC-252186	772088	String.FormatMessage() also searches class name	Previously, the @String.FormatMessage() rule only searched message rules in the @baseclass. This has been expanded with the addition of code to retrieve the message class name from the message key in MessageEvaluator#getLocalizedText(). If the message key has a class name, then the @String.FormatMessage() function will return the expected message.	Data Integration
INC-252652	770335	CompareTwoValues Rule-Utility-Function refactored for performance	Slowness during PegaMKTContainer API calls was traced to the CompareTwoValues Rule-Utility-Function comparing all different data types, starting with a Date and Timestamp comparison that consumed excessive CPU cycles. To resolve this, CompareTwoValues has been refactored to improve efficiency and performance.	Data Integration
INC-252658	777587	Localization added for en_MO	Support has been added for the Asia/Macau (en_MO) locale.	Data Integration
INC-254329	774884	Archival indexer performance improvements	The indexer job in archiving and purging was taking an excessive amount of time when maxIndexerRequestors=1. This delay was traced to forward chaining being enabled, and has been resolved by disabling forward and backward chaining for the archival and search indexer to improve performance. Chaining isn't needed since there are no changes made to the case.	Data Integration

INC-254760	778696	Handling updated for Europe/Amsterdam calculated date time	When using the getAsBusinessTime() function with the timezone set to Europe/Amsterdam, the calculated date time was returned as 20221230T080000.000 GMT+01:00, but setting this value in a DateTime property did not include the +01:00 at the end of the string and the property value became 20221230T080000.000 GMT, which was incorrect. This was traced to the parseInternalDateTime function ignoring the offset value for backward compatibility, and has been resolved by adding the Europe/Amsterdam timezone to the en_US and nl_NL locales to generate timezone codes without offset values.	Data Integration
INC-255906 INC-257221	778556 780058	Archival process made more resilient	The PegaPurger was failing with the error "NullPointerException / Unable to Execute the activity for purging". This was traced to an ArrayList which wasn't thread safe, and has been resolved by using a SynchronizedList to avoid null pointer. Additional improvements have also been added to the archival process to make it smoother and more resilient.	Data Integration
INC-255933	81133	Savable data page caching updated to improve performance	Network calls were issued every time a data page was loaded even when the data page was marked as requestor level and reload once per interaction was unchecked. This caused a significant performance impact. To address this, savable data pages are now cached by default and a DSS has been added to allow modifying the caching parameters or turn off caching completely. For available settings, please see https://docs.pega.com/bundle/platform-88/page/platform/data-integration/savable-data-pages.html	Data Integration
INC-257572	781879	LoggerContext initialization updated	SoapAppenderPega was failing to initialize or was stopping unexpectedly. This was traced to a null pointer exception and has been resolved by updating the LoggerContext initialization to check whether it has been initialized with class loader by default, and if not it will initialize LoggerContext again with class loader.	Data Integration
INC-257632	781172	Expunger updated to handle on-premise	When running Pega Infinity on-premise the error "Issue retrieving reference file://pegacloudfilestorage:/archive/archivedclasses/Pega-DM-Simulation-Bias" was generated by the internal.RepositoryManagerImpl function. This was caused by pyPegaExpunger running pzPerformExpunge by default despite there not being a cloud storage component designated. This has been resolved by updating Expunger for on-premise scenarios.	Data Integration
INC-294170	80645	MSGraph integration allows proxy endpoints	In order to better control access, support has been added to route internet facing HTTP endpoint interactions for MSGraph email integration to use a configured proxy end-point. More information is available at https://docs.pega.com/bundle/platform-88/page/platform/data-integration/configuring-proxy-msgraph.html	Data Integration
INC-89249	79819	Google Cloud Storage (GCS) support updated	Previously, errors were seen during certain functions when using Google Cloud as a repository. To address this, an update has been made to improve integration for storage and retrieval. Please refer to the available documentation for "Configuring a Google Cloud repository" for more information about the updated procedure for using this service.	Data Integration
SR-D13375	484792	Added handling for null requestor returned to ManagementDaemon	An invalid parameter exception was raised by the ManagementDaemon executing checkRequestors method. This occurred when the requestor argument, retrieved by the ManagementDaemon, was attempting to determine whether a PEGA0019 alert should be emitted in case of a long running requestor, but the NodeRequestorMgt.getRequestorNames() implementation returned non-existing application requestors. This has been resolved by adding handling for InvalidParameterException in cases where the requestor is deleted before the job is executed on it.	Data Integration
INC-235496	766562	When rule added to control attachment thumbnail generation	In some circumstances an unauthorized user may be able to view the thumbnail generated for an uploaded attachment. To address this, the when rule pycangeneratedocumentthumbnail has been added which can be used to prevent thumbnail generation. The default value is true, which will allow thumbnail generation.	Decision Management
INC-243039	756041	HealthCheck logging improved	In order to assist with resolving node issues, when the Pega HealthCheck monitor daemon evaluates a cluster node member as non-responsive or slow responsive, the HealthCheck monitor will include the runID information in the logfile message.	Decision Management
INC-245799	764375	Updated action rule validation check	Check-in of the action rule was failing due to the wrong configuration of the eligibility criteria. This was caused by private checkouts intermittently not being released correctly if validation failed during rule check-in. This was a missed use case, and has been resolved by correcting the validation of action rules during CR submit.	Decision Management
INC-247517	764156	Corrected dirty pop up message incorrectly displayed	The dirty dialogue was being thrown upon commenting on a Pulse post, even when there were no unsaved change in the form. Investigation showed the method "pega.u.d.clearDirtyState" was not being called when posting a comment in the Pulse, only when making a post. This was a missed use case, and has been resolved by adding the clearDirtyState function after posting a reply.	Decision Management
INC-247763	769869	Security updated for input text	Sanity checks have been added for spaces, documents and cases to improve security.	Decision Management

INC-248221	767225	Distribution simulation results cleaned up on resolution	Simulation results were not cleaned up from the database table-type output destination when a simulation was withdrawn/resolved. Over time, using the same output destination for simulations led to a large number of records in the database table and subsequent reports run on that table were timing out. To resolve this, a new activity has been added to truncate simulation results on case resolution. The pxCleanUpSimulationResults API used for one-time clean up of results for resolved simulations can also be used to clean up older runs.	Decision Management
INC-249244	764245	Prompt class value correctly propagated to ConditionBuilder page	When opening the expression builder from source (right) expression field in the Data Join property panel, the wrong page context was used by the expression builder. This was due to previous work which changed the promptclass parameter such that the primary class used by the Expression Builder is now the primary class of the strategy instead of the appliesToClass of the component or page selected in the data join component. To resolve this, a data transform has been added to propagate the prompt class value from the Component page to the ConditionBuilder page.	Decision Management
INC-249829	764845	PEGA0075 alert more detailed	The PEGA0075 alert has been updated to include Query info (to identify the involved column family), Requestor ID, Interaction number, Correlation id, and PAL data.	Decision Management
INC-250008	767821	Updated exception handling for empty partition key	No results were shown after a dataflow run, and a DdsBatchOperationException was logged at the compose shape in the dataflow. This was traced to the DDS DataSet returning empty results instead of throwing an exception when given an empty partition key, and has been resolved.	Decision Management
INC-251504 INC-256560 INC-256560	773156 778025 780839	Resolved memory issues related to ADMSnapshot agent	Production utility nodes were terminating due to out of memory errors. This was traced to the RULE-OBJ-ACTIVITY DATA-DM-SUMMARY PYSAVEWEEKLYANDMONTHLYSNAPSHOTS activity, used in execution monitoring to aggregate weekly and monthly data. Investigation showed the merge operation of a numeric summary for each predictor was added to the list, increasing the size. When this was serialized into JSON and de-serialized again, it occupied a lot of heap memory for each predictor which then affected the utility nodes' heap memory. To resolve this, a compress call has been added to summaries post-merge for daily, weekly, and monthly snapshots.	Decision Management
INC-252956	778804	NBA_TopLevel Strategy Proposition Filters updated for optimization	The expression parsers for EmailTreatmentEligibilityRule and MobileTreatmentEligibilityRule have been updated to handle multiple ORs, allowing them to be optimized.	Decision Management
INC-253588	775763	Security updated for Pulse text	Sanity checks have been added for Pulse text to improve security.	Decision Management
INC-254828 INC-252654	777290 778148	Warning logging updated for Avro schema	After creating a dataset with the Avro schema, the Kafka save operation created extremely large log files which led to system performance issues. This was traced to warning messages generated for non-mandatory fields, and has been resolved by discontinuing logging exceptions on null values for Avro schema.	Decision Management
INC-256236	779524	Zero results for user tag will display as (0)	On the tag navigation tab, the display indicated (--) if the current user did not have any recently entered tag. In earlier versions of Pega this was indicated as (0). This difference was due to a change in the implementation for D_MostRecentlyUsedTagsForResource which resulted in the (--) if the report definition did not have any pxresults and no value was set for Primary.pxResultCount. This has been modified to display (0) by updating property-set to default pxResultCount to 0 in pyGetTagsAcrossWorkpools activity.	Decision Management
INC-232907	776589	Added handling for service-HTTP locking error	Operator via service HTTP was unable to check-in its own checked out record, generating the error "Update record failed: .pyRuleSet: You are not the owner of this checked out rule." Investigation showed pxThread.pxSecuritySnapshot.pxPersonalRuleset changed in the middle of processing. This has been resolved.	Low-Code App Development
INC-237496	766394	Corrected overlay context loss in Cosmos	Attempting to add a condition in the eligibility criteria for a Next Best Action in the Cosmos portal caused the field to refresh and remain blank. Investigation showed there was a loss of context for overlays, which has been resolved by moving the hidden layout to the last dynamic layout in the pzInnerEmbedConditions section.	Low-Code App Development
INC-237925	768607	Corrected validation rule resolution after modification	A validation rule showed OR in the statement but validated at runtime as an AND condition. This happened only when the second condition was given as AND, then one more condition row was added as OR, and the second condition was deleted, and has been resolved by updating the pzBasicValidWhen section to remove the pzSwitchOperation activity call on refresh of pyCondValueCategory.	Low-Code App Development
INC-239887	766720	Manual results pages will have ObjClass explicitly set	After defining multiple case types, for example CaseTypeA and CaseTypeB, as related cases for another case type such as CaseTypeC, trying to add CaseTypeA as a related case to CaseTypeC using the related case functionality generated an exception on selection of CaseTypeC in the first dropdown. This was traced to pxObjClass, which is required for Obj-Sort to function, not being set automatically due to data page / activities. This has been resolved by ensuring pxObjClass is set when creating pxResults pages manually.	Low-Code App Development

INC-243595	761318	RecordInner updated to check Rule-RuleSet- during new component save	After opening Designer Studio -> Application ->Components and creating a new component, adding label and version and attempting to submit resulted in the message "Error- No open ruleset versions available". This has been resolved by updating pxUpdateRecordInner and pxCreateRecordInner to check for Rule-RuleSet- instead of only looking at Rule-RuleSet-Branch so that a version is not required for ruleset instances themselves.	Low-Code App Development
INC-246401	779554	MaxRecords default raised to handle a large number of skins	After performing a major ruleset skimming, a warning appeared indicating that a skin was not available in the application even though it existed in a new ruleset version which was in the application rule resolution. This was traced to the "pyMaxRecords" parameter being set with a default value of 50 during query execution, and in those first 50 results, the skin rule from highest version was not available due to there being over 100 skin rule instances in different major versions in the app. To resolve this, the default has been modified to listPg.putString("pyMaxRecords", "10000"); for CheckForWarnings in Rule-Application to handle cases where there are a large number of skins.	Low-Code App Development
INC-248341	764942	Corrected Expression Builder error when opening from Decision Table	Opening any delegated decision table from the UI and then opening the Expression Builder generated a pop-up message. Clicking on "OK" closed the pop-up but a new page showing an error message was opened. A security trace showed the activity pzCreateNewTempPage did not have the necessary registration in the pzEBHiddenElement control, and this has been resolved.	Low-Code App Development
INC-250133	773512	Added startingWorkHandle check to enable case unlock	Using the DXAPI to get screen definitions and submission on an assignment submission resulted in a 400 HTTP error and the message "ValidationMessage:Unable to unlock [case id#]". Investigation showed this was due to a missing reference to "startingWorkHandle". To resolve this, the performB2BAssignmentCheck activity has been updated to add a precondition to check that Param.startingWorkHandle is not null.	Low-Code App Development
INC-250717	775091	Decision table export corrected	After update, the decision table export functionality was not working. However, if a trace was started the functionality worked without any issue. Investigation showed there was a timing issue with the removal of the iframe before actual download of the document. This has been resolved with the addition of a timeout in pzRuleDeclareDecisionTableStandard.js to ensure the document is downloaded.	Low-Code App Development
INC-253430	774564	Resolved name conflict in Expression Builder	After update, attempting to edit an existing expression caused it to disappear from the Expression Builder in the decision tree. The error "Data Transform not found" appeared. Investigation showed there was a name conflict during resolution due to the system attempting to populate the class name instead of the expression condition. This has been resolved by updating the function names in OpenRuleAdvanced_OverLabel to rename functions declared in this control but called from other places with the suffix "_OverLabel" so the Javascript call is not overwritten with the function of the same name from other controls.	Low-Code App Development
INC-223328	736535	Mobile app push notifications history updated	The history table of mobile push notifications remained empty after sending a push notification if the history table had over 1000 records. Investigation showed push notifications are taken in inpxGetPushHistory using Obj-Browse and then filtered in Java step by appID so the oldest push notifications were listed first, and the list of instances did not show the pagination even though it existed. To resolve this issue, the sorting in push optimization has been modified.	Mobile
INC-238299	752473	Server response filtering updated	To improve security, additional filtering has been added to the server response.	Mobile
INC-244702	770311	Corrected Assign Mismatch error on Mobile	After a new comment was added to a work object on Mobile, the assignment status was set to "ERROR: ASSIGN MISMATCH" and it was not possible to perform any action or advance any further. This was traced to a security issue related to the the Assign-acquireworkobject activity, and has been resolved.	Mobile
INC-247240	763799	Value updated for Development/Sandbox APS certificates	Apple has changed the value of the Common Name (CN) attribute for Development/Sandbox APS certificates. Support has been added for this new format in the pzOnCertificateChange activity.	Mobile
INC-229116	742054	Transport Layer Security (TLS) documentation updated to clarify additional steps after update	In some cases, customer search failed to work after updating from Pega Platform version 8.4.6 or earlier to version 8.7.2 or higher. In Pega Platform version 8.7.2 or higher, Rest Connect causes this issue when the lowest allowable SSL/TLS version is set to TLS version 1.0. To address this, the Transport Layer Security (TLS) best practices documentation has been updated to clarify that the rule form for outbound connections must be edited to use the appropriate protocol supported by your Pega application's underlying Java version, preferably TLS 1.2 if the server supports that version.	Project Delivery
INC-236160	741166	Clarification for mobile app update best practices	The documentation related to best practices for updating mobile apps has additional information to clarify that when creating a new authentication service name, it should not be created with an existing authentication service name. Pega Platform includes different authentication services out-of-the-box in different releases. When you update Pega Platform, your existing authentication service name must not conflict with the out-of-the-box authentication services of the newer Pega Platform version.	Project Delivery

INC-242183	757210	Mask property visibility documentation updated	The documentation for mask property visibility for users has been updated to clarify that when masking an embedded property, the ABAC property read policy must be configured in the work class where the embedded property is being referred and not in the class where the leaf property exists. If configured improperly, the application can display the masked property to unauthorized users. For example, if using an embedded property called WorkPage.Customer.Name, the ABAC property read policy must be configured on the WorkPage class and then the embedded property is added in the masked properties list instead of the class where the leaf property Name is defined	Project Delivery
INC-189766	676262	Search thread timeout adjusted to 30 seconds	Searches were not working and general performance issues were seen on the nodes. A review of logs showed that there were requestorLockExceptions and thread dumps indicated there were problem threads waiting for search result. To prevent this, the search timeout has been adjusted to 30 seconds.	Reporting
INC-251270	778980	Dev Studio search works with ABAC	When ABAC was enabled, a null pointer exception was generated in ClassMapImpl when using Dev Studio search. This was caused by a null value for PegaSearchContent.className passed to the method FilterValueResolver.resolve(), and has been resolved.	Reporting
INC-231890	740604	DSS added to control empty value display on export to Excel	A DSS has been added which allows customizing the export to Excel function to use zero for the decimal instead of showing an empty value. Set ExportToExcelDecimalUseZeroWhenEmpty to true to override the default behavior of zero values being blank.	Reporting
INC-233990	744707	Handling added for special characters in tab name	After update, a Report name with special characters showed the ASCII values in the tab names. This has been resolved by decoding the HTML in javascript using a javascript function before setting the title.	Reporting
INC-241251	753497	Report filter categories correctly localized	The filter category displayed in the header of the reporting landing page was not being localized. This was traced to an error in the "FieldValueKey" parameter in the pzGetStyledLocalizedText control, and has been corrected.	Reporting
INC-242955	757160	Dev Studio search updated	Search in Dev Studio was not working as expected after update. To resolve this, search has been updated to accept a regex expression containing two hyphens for work ID pattern check.	Reporting
INC-250412	777460	Corrected Report Viewer error	After update, the Report Viewer tab had a difference in the Group Results options of a new report definition and the error "pyReportDefinition: "pxRequiredSkill" This property does not exist or has no column mapping" was generated. This occurred when Filter Caption Settings was set to "Apply Caption to Left Side of the condition", and was traced to the "strFieldName" value in RRFilters_Logic being overridden. To resolve this, a new variable has been added to the RRFilters_Logic control to preserve the value.	Reporting
INC-251114	780106	Corrected DateTime report filtering	The DateTime filter was not working for a report on the user portal. Investigation showed there was a case mismatch which caused the datatype to not satisfy the filter conditions for pzpopulateselectedvalues. This has been resolved by setting the filter value to Range.	Reporting
INC-252882	773408	Handling added for maintaining count during BIX extraction	The number of records in the XML BIX extract did not match with the pxTotalClassInstanceCount of the Manifest file. This issue occurs only when there are any updates during the extraction process, and has been resolved with an update which will show the actual processed records count in BIX extraction Manifest file.	Reporting
INC-254593	777250	DSS added to control date identification on BIX file	After upgrade, custom application behavior was not working as expected due to BIX file names having YYMMDD appended to the extraction name, for example Work_ExtractCase_00To04_1.zip under the previous version and Work_ExtractCase_00To04_221214_1.zip under the upgraded version. This date appendix was previously added to ensure the file name generated should be unique. To address this, the removal of the date from the extracted zip file name before placing in the FTP location may be controlled through the DSS setting BIX/ignoreExtractDateInZipFileOnCloud.	Reporting
INC-257867	780703	Added accessibility for grid/list toggle	The grid/list toggle on the Cosmos reports browser was missing a label for the currently selected toggle and an accessible cue as to the current state (which option is selected). This has been added.	Reporting
INC-251088	770179	"None of" added to access control policy conditions	Support for the "None of" has been added in order to support using ABAC and access control policy conditions to suppress resulting values from logged-in users visibility. The comparison value supports string, decimal, double, integer data types and consists of a comma-delimited list. The comparison value also supports value-list or page-list. The list of String values should be given inside a pair of double quotes for example: "BRAZIL,CANADA,FRANCE,GERMANY,SOUTH AFRICA,UK,USA". The condition is satisfied if an element of the list within the Apply To property value is not an element in the list within the comparison value.	Security
INC-252607	768827	Updated EndSession request encryption for basic logoff activity	Clicking on logoff generated an error. The error also appeared when valid MAF credentials were entered and the cancel button was clicked. This was traced to the logoff URL being encrypted with an old URL encryption mechanism, and has been resolved by ensuring the logoff URL uses the latest URL encryption mechanism.	Security

INC-247586 INC-243512	763564 765343	Corrected tracking of MFA verification attempts	When using multi-factor authentication where a verification code is sent, it was possible to override the three strikes rule and re-enable the resend verification button by refreshing the browser. This has been resolved by adding a parameter in the requestor page of the pzHandleMFA activity which will hold the pyCount and be checked on browser refresh.	System Administration
INC-247916	770110	Job scheduler will use current time to avoid DST offset	Job scheduler was running jobs twice after the change for daylight savings. This has been resolved by using currentTime.get(Calendar.DST_OFFSET) rather than referenceTime to reduce the potential offset mismatch.	System Administration
INC-249284	771082	Handling added for null CreateDateTime value	Job schedulers were not running due to pxCreateDateTime being null in the pr_data table. This has been resolved with an update which will add the pxCreateDateTime value to instances of tables where it is missing.	System Administration
INC-249918	768618	BCEL library updated	The Apache Commons BCEL library has been updated.	System Administration
INC-255699	777626	QueueProcessorMaintenance alert threshold raised to 15 seconds	Previously, the Rule-Async-JobScheduler for QueueProcessorMaintenance was configured with a 5 second threshold, causing excessive alerts due to the actual value range on average being 6 secs with occasional spikes to 10 or 12 seconds. To address this, the alert threshold has been extended to 15 seconds.	System Administration
INC-237999	761906	Layout renders with combined visibility and expand conditions	Visibility expressions were not working and that particular layout was not rendering when there was a combination of a visibility expression and expand layout. Either condition rendered correctly when alone, but not in combination. This was traced to the expandParam containing ".", which generated an exception when using non-template mode, and has been resolved.	User Experience
INC-204349	704561	Updated check for portal name with search	After update, using search from a Cosmos portal landing page launched the results in a new tab, and the logoff menu did not show which portal was being used. This has been resolved by updating the 'when' rule to check if pxThread.pxPortal contains the portal name rather that testing for equality.	User Experience
INC-222731 INC-245380	734965 765373	Refresh corrected for iPad	Performing a screen refresh after completing a case by swiping down or clicking the client icon was not working on newer model iPads. This was traced to the overflow property being set to hidden on the body tag, and has been resolved by adding overflow auto for iOS tablet devices.	User Experience
INC-231096	775978	Corrected inheritance section refresh / call data transform logic	When a button was pressed in the UI to refresh the section and apply the data transform RequestSignature, which exists in both the Work and Work-Signing class, the data transform resolved correctly to the one in Work-Signing class. However, when using the DX API PUT /assignments/{ID}/actions/{actionID}/refresh endpoint, RequestSignature from the Work class is invoked. This was traced to an error in the DX API code which caused the data transform to be called from the wrong class. To resolve this, the inheritance logic for DT/ACT for a refresh in an inherited section has been updated.	User Experience
INC-231696	769656	Added forceReconnect to address telephony error	While using telephony, a pop-up appeared intermittently indicating "Reconnecting" when an agent was on a call or idle for specific time (more than 30 mins). To address this, support has been added to use pega.u.MessagingManager.forceReconnect in handleWebSocketError. This API will be used by Pega Call to reconnect the websocket when pega.u.clientEvents.WS_ON_CLOSE is registered.	User Experience
INC-234202	763982	Navigation items highlighted correctly when using render as single page	If "render as single page" was unchecked in the user portal, clicking on any navigation item or opening a work object from the left navigation panel caused the whole page to reload and the wrong item was highlighted in the navigation menu. This has been resolved by updating constructMetadataObject to consider context.	User Experience
INC-235733	770106	Radio button support added for Nuance Dragon	To improve accessibility, support has been added for using Nuance Dragon to activate radio buttons by adding the necessary CSS styles to the radio button inputs.	User Experience
INC-240757	754424	Localization check added for sourced dropdown values	When dropdown values were sourced from a data page using a report definition, the values were always localized even if the localize box was unchecked. This was due to the values being stored in Data Type when the localize checkbox controlled labels and read only text. This has been resolved by adding a check for bLocalize in Context Processor.	User Experience
INC-241805	756269	Tab layout uses template mode when using defer load	When using defer load, the multiselect dropdown was rendered in readonly mode. Investigation showed that when the defer load checkbox was checked for section include of tab group layout, it generated non-template markup. This has been resolved with an update which will render the tab layout in template mode when using defer load.	User Experience
INC-242855	768286	Documentation updated to include validateHiddenField DSS setting	Documentation has been updated to note that the validateHiddenField DSS setting for Theme Cosmos and other section-based applications will control whether the application validates fields that are hidden through visibility rules. By default, validateHiddenField is set to true, which means that the application fields are validated for completeness even if they are not displayed in the form. This functionality can be switched off by changing the setting value to false.	User Experience
INC-242985	757459	Icon helper text read by JAWS	Tooltips were read by JAWS when the helper text was configured on an input but not when the text was configured on an image. This has been resolved with an update which will announce the helper text value when focus is brought to an icon in browse mode.	User Experience

INC-243277	756360	Display of navigation link label corrected	The label of the screen flow's navigation link was intermittently displayed in an incorrect location when steps in a multi-step form in a stage were configured with a decision shape and steps were routed based on the decision result. This has been corrected.	User Experience
INC-243935	769202	Minimize button working in Rich Text field	When using a section containing a repeating dynamic layout with drag and drop capability enabled on a Rich Text Editor, all of the buttons on the edit bar were disabled after using maximize. If the "Enable drag to reorder items" checkbox was unchecked, the minimize and maximize worked correctly. Investigation showed the sortable library injects event handles when the maximize icon is clicked, and these handles are added to the document element. Upon clicking of minimize, the correct target was not picked for the action because of the additional event handlers attached. To resolve this, a condition has been added for the Rich Text Editor in the sortable.js file to handle minimizing the rich text field.	User Experience
INC-243995	759019	Corrected tab focus after using group-by	When interacting with grid operations such as creating groups and hiding columns using only the tab key, tabbing again once the actions were complete refreshed and focused on the beginning browser bar instead of the table as expected. Investigation showed that the button from which the popover was launched was no longer present in the screen once the grouping was completed, causing the focus to move to the browser. This has been resolved by overriding focus to a visible group-by button when the toolbar is refreshed or a button is changed due to an action in the popover invoked by the group-by button.	User Experience
INC-245431 INC-246531	764786 778035	Mashup loads correctly with setAuthenticationHeaders	Mashup was not loading correctly when using the pega.web.api.setAuthenticationHeaders function to set an authorization header. This has been corrected.	User Experience
INC-245567	762499	Corrected error message handling for on-change	If there was a validation error message on a field generated by on-change of some other field, the validation message went away when the field was clicked even though there was no data change. The error message persisted on the clipboard, but was removed from the UI. This has been resolved by changing the order of the condition check for calculate expression.	User Experience
INC-245664	766612	Adjusted display of "Case created by" to handle long name value	After creation of a case through the email listener, the "Case created by" detail was spanning out of the tile. This was caused by a long value for pxCreateOpName, and has been resolved by allowing it to break for the display.	User Experience
INC-245819	766348	Updated visibility condition logic	After update, a visibility condition that contained references to D_CaseAssignments that was set to any stage-wide local action made all local actions not visible in the Actions menu. This was traced to the condition returning as false during runtime, and has been resolved by updating the logic in the pzPopulateAssignments activity.	User Experience
INC-246171	774008	Tooltips localized	Localization has been added to the Pega breadcrumbs browser tooltips.	User Experience
INC-246207	765049	Corrected tab focus for iframe	The interaction driver on the add task and close button was missing tab focus. This was traced to a missing tabindex for iframe, and has been resolved with an update which will check if the content has iframe; if so, tabindex will set to iframe else the existing flow will continue.	User Experience
INC-246980	765284	Null checks added to resolve null deference alerts	Null dereference is low risk in general in Java applications because no memory corruption can occur. Pega rules or variables will not be null at runtime during rule execution and thus a null pointer exception will not be thrown. However, the initialization of these may be detected by a scan which documents the theoretical possibility of not being initialized at runtime. To resolve these scan reports, null checks have been added to some identified areas related to dropdowns and checkboxes.	User Experience
INC-247813	762274	New window opens correctly from global search bar	No content was displayed when a new window was opened from the global search bar in the user portal application header. This was traced to a mismatch in parameters for the harness action, and has been resolved.	User Experience
INC-247967	764665	Expanded Create menu item will not take submenu color	Changing submenu item colors for the "Create case menu" menu format caused the expanded Create item to take this color as well. This has been resolved by hardcoding the color styling.	User Experience
INC-248044	768776	UI action from Mashup Screen corrected	After upgrade from Pega 8.3 to 8.7, a BAC/SECU0019 error was reported when launching harness in Mashup. This was traced to the use of a dynamic container with multi-document mode, which is an unsupported configuration for Mashup due to the BAC features introduced in Pega 8.5. Switching to a dynamic container with single document mode resolved the security issue, but using the close / cancel button on a work object in Mashup was not returning to the home page and there were resize issues due to Mashup not having extensive support for a dynamic container with single document mode. This has been resolved.	User Experience
INC-248452	766596	Corrected rounding precision issue	A rounding error appeared during multiplication of some numbers. This was traced to precision settings for the fields and has been resolved by using toFixed in specific circumstances when the actual decimal precision is less than configured.	User Experience
INC-248692	765252	Number controls honor custom width	After update, decimal properties with integer control were ignoring all custom width settings. Investigation showed the generated style was ' 'width instead of just width, and this has been resolved by modifying the style from """ to "" in order to fix the custom width issue for number controls.	User Experience

INC-248981	764956	Screen reader correctly announces accordion button status	When a layout group(accordion) was overridden in the application skin and the checkbox was checked for "Collapse all panes on load", the panes were collapsed on load but the screen reader was announcing the state of a button as expanded even though it was collapsed. This was traced to the aria-attribute handling, and has been resolved by adding a multi-accordion identifier and updating the logic in layout group js to toggle multi-expand accordion independently.	User Experience
INC-249197	775842	Added special handling for Asia/Jakarta dates	For timezone 'Asia/Jakarta', when the date '01/01/1964' is selected, the date is changed to 1 day less (31/12/1963) . This is an issue particular to this locale, caused by a time zone change from GMT+7:30 to GMT+7 at the end of 1963-12-31(GMT+7.30). This means the moment 1964-01-01T00:00:00 in GMT+7.30 is also 1963-12-31T23:30:00 in GMT+7. To resolve this, an update has been made which will convert using Date.UTC before applying the timezone for the dates in question.	User Experience
INC-249243 INC-258056	765690 781057	Corrected keyboard focus in modal window	When a flow action was configured to hide the default action button sections and then launched in a modal window, using the tab key moved the focus out of the modal window and into the background sections. This has been resolved.	User Experience
INC-249417	764839	Updated regex for button labels in case creation screen	After upgrade, adding "&" before the letter in a button label no longer worked to create a keyboard shortcut for the button, for example using "Submit & E&mail" in Fieldvalue (pyButtonLabel) resulted in "Submit & E&mail" rather than the expected "Submit & Email". This was caused by the system restricting two '&' symbols in template mode, and has been resolved by replacing double backslash (\\d) with single backslash (\d) in the regex.	User Experience
INC-249703	768022	Main navigation submenu icons display correctly	After adding two or three sub child Menus to the "pyCreateCaseMenu" with different Icons, selecting the child menu caused the menu name to get padding on the left and the icon for the child was stacked on top of the main icon at the top. This has been resolved by modifying pzPega_menu_item_icon_template.js and pz-cosmos-ui-portal.js so the items are displayed correctly.	User Experience
INC-249749	777858	Screen reader focus correct when error icon displayed	The NVDA Screen reader focus was not correct after clicking submit when validation was not met. This was a missed usecase for an error icon on top of the field which prevented the focus moving to the first invalid element in the modal. This has been resolved by updating the focusToFirstInvalidField function in pzpega_ui_doc_focus to correctly handle this scenario.	User Experience
INC-250022	766729	Loading text made available for customization or localization	When the dashboard of a user portal was being loaded, a hardcoded "loading.." string in English appeared and disappeared. This was coming from the final rule PegaCompositeGadgetMgr[Final] and was hardcoded and not localized. This rule has been modified to accommodate the localization or removal of the loading string completely by using the field value for "Loading".	User Experience
INC-250615	777281	Tab name handling updated to support symbols	After upgrade, creating a case in a user portal that used an AJAX container resulted in symbols like '(' and ')' in the tab name being replaced with junk characters. This has been resolved by modifying the setTabName function in pzpega_ui_mdc_tabs.js.	User Experience
INC-251168	775046	Updated breakout encryption for offline mobile app	After implementing BAC security and setting the when rule pyBlockUnregisteredRequests to 'true', any offline mobile AJAX calls with Executebreakoutcall failed. Investigation showed the pzOSCOBreakoutWrapper dispatcher itself was throwing an unregistered error.This has been resolved by encrypting the OSCOBreakout activity.	User Experience
INC-252009	776213	Corrected PST datetime converting to GMT and then to CST	When a user in the PST time zone selected the current PST time for a submission, the value was being converting to GMT in the CST server time zone instead of PST user time zone, causing a validation failure that the date cannot be in the future. This has been resolved by updating pega_ui_calendar and pega_ui_formatdatetime handle this scenario.	User Experience
INC-252723	772303	Able to select localized date values	Logging in using the French locale and selecting the date was generating an error. This was traced to a localization issue with strings having single or double quotes and has been resolved by adding handling for escaping single and doubles quotes in the Smart Tip message rule field generation.	User Experience
INC-252879 INC-250977	771304 778746	PD4ML updated	Issues with formatting PDFs have been resolved by updating the PD4ML jar to version 4.0.13fx6.	User Experience
INC-252957	780597	Correct buttons displayed for local action in screen flow	After creating a case type which included a screenflow in the case lifecycle along with case-wide actions, progressing the case to step 2+ in the screenflow and selecting a case-wide action displayed the Back button instead of Cancel. This was an issue with pyCaseActionAreaButtons when using a case-wide action while the case is in a screen flow, and has been resolved by adding a new visibility condition for Cancel/Back buttons which will avoid showing screen flow buttons in case-wide actions.	User Experience
INC-253043	770870	Tab key focus added to Operator icon	To improve accessibility, styles have been added to the user/operator icon to support keyboard tab focus.	User Experience
INC-253092	771594	Corrected highlight persistence	When using a field with control Currency, entering a value into the field and highlighting it using the keyboard input ctrl + a / cmd +a added the highlight, but when the ctrl +a / cmd +a was released the highlight was removed. This has been resolved by adding an additional check for selection.	User Experience

INC-253692	773878	AJAX container correctly shows busy indicator	The busy indicator was not appearing during a long finish assignment processing wait when using an AJAX container. This was caused by the condition to display the busy indicator only checking for document.forms.length (DC), whereas in case of an AjaxContainer, elements will present in fieldset instead of form. This has been resolved by updating the check to work for both DC and AJAC containers.	User Experience
INC-253866	776449	Added handling for missing InstanceID	Based on a search, data from 8-10 different case types was fetched and displayed in 5 different hierarchical tables. One of the tables had a retry link column; on click, a local action opened which could be submitted. When there were a large number of records, the submission took a long time but no busy icon appeared. Investigation showed this only happened with hierarchical tables and not with optimized tables. The intanceID was not getting generated for the hierarchical table, due to which the grid object was stored with an undefined key by replacing the existing grid object and storing the last table object details in the metadata. To resolve this, pyInstanceID will be set on the componentInfo object to get the correct IDs for the treegrid during registration.	User Experience
INC-253940	775005	Currency Control alignment corrected	The currency symbol position was not calculated properly and was misaligned when placed on the left side of the span element. This has been resolved by changing styles to support height change so the currency symbol is displayed as expected.	User Experience
INC-253992	775255	Filter pop up displays correctly for absolute position	The filter pop up was not displayed properly in reports when the parent container position was absolute. This was due to a missing condition check, and has been resolved.	User Experience
INC-254668	773111	Handling added to correct Moment DST offset for dates after 2037	When a datetime of greater than 2038/01/01 00:00:00GMT was read from the clipboard In certain timezones, 1 hour was incorrectly removed as a DST offset by the third-party Moment JS. In cases where the time was set to midnight, this resulted in the displayed date being 1 day early. This issue only affected datetime values and can be avoided by using a date value instead. To resolve this, handling has been added for correctly returning the moment object if the year is greater than 2037 for a datetime control with date property.	User Experience
INC-255216	776252	Corrected decimal formatting display	Issues with formatting a decimal value were seen after update. The error '<Number>' is not a valid decimal value was traced to the system enclosing quotes in a decimal input property after submit. This has been resolved by correcting the value formatting if the last character is a separator. An issue with the "$" value not being visible when an error message is displayed has been resolved by allowing updating of the date-value for backspace and delete.	User Experience
INC-255697	780077	Active when condition restored for read-only harness	The Active When condition in the Navigation rule was not working for a read-only harness when navigating through the screens, leading to the current step in the navigation menu not being highlighted. This was an inadvertent side effect of work done on the "pzpega_control_menu" rule which has been reverted to restore the previous behavior.	User Experience
INC-256304	778347	Layout header property read by screen reader	After adding "Include icon or value" to a layout header, a property or constant was not being read by the screen reader in browse mode with arrow keys. This was caused by the aria-label that was being applied to the button element overriding the constant text property and causing it not to be read by screen readers, and has been resolved by removing the aria-label from layout_header_content for a collapsible dynamic layout.	User Experience
INC-257175	778982	Selections not cleared on adding search filter	After performing a search, applying filters caused the selection to be cleared. This has been resolved by removing filterexpression and search from the dependency of clearSelectedRows.	User Experience
INC-258212	781041	Corrected Expand-Collapse icon accessibility	When an optimized table is configured with grouping enabled, Pega renders group headings with a button that can expand or collapse a particular group. After update, the top-most button (expand/collapse all) was not accessible using keyboard navigation when using Microsoft Edge. This has been corrected.	User Experience
INC-258275	781098	Improved checkbox accessibility for repeating dynamic layout	Table filter checkboxes did not have the correct label and state for an accessibility reader to read-out, causing the state of the checkbox and the context of the checkbox to not be announced. This has been resolved by changing the repeating dynamic layout navigation mode to "Use form navigation (by tab)".	User Experience
INC-258427	780417	Corrected typo in toLowerCase function	The processHarnessType.toLowerCase function in the ui_doc file has been updated to correct a misspelling in the code.	User Experience