precisely

Data360 DQ+ Release Notes

Version 10.1

This document describes the enhancements and modifications included in the latest release of Data360 DQ+, and highlights any changes that may affect your current implementation.

Contents:

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What's new

This is a multi-tenant, cloud-only release.

New data load range option

When specifying a **Data Load Range** for input data stores and other executable stages, a new option has been added: **Based on File Path Parameter**. This setting allows you to work with a specific file, avoiding a file scan and failing if the indicated file does not exist. When you select this option, the specified parameter value must be a sub path to a single file under the data store root path. For example, if the data store root is /bucket/folder, and the file is test.csv in that folder, then the parameter value should be just test.csv. The system will add the root path automatically and will not allow an alternative root path to be used. If the file is not found, processing will fail instead of processing zero records as the **Based on File Path Pattern Parameter** option does.

Node error behavior

Many analysis nodes do not fail outright upon a problem occurring, instead logging an error and continuing. The analysis only fails when the quantity of logged errors exceeds a defined threshold. Now, you can configure the analysis designer to test values after a node completes and cause the analysis to fail if required values are not present. You can achieve this new behavior by using the new `FAILUNLESS` function in a computed column's expression. This function throws an error that causes the analysis to fail if required values are not present.

For example, the HTTP status code of a REST API Call node might be checked for a value of 200 to ensure downstream node processing will be correct, and cause the analysis to fail otherwise. This would be done by adding a Compute node and computing a Boolean value using the `FAILUNLESS` function.

Access via proxy

Previously, if you chose to limit outbound internet connections from the application server or execution engine, you could not fully utilize the Data360 Govern or Spectrum OnDemand integration. Now, you can specify access through a proxy server for both Data360 Govern and Spectrum OnDemand. This allows on-premise or single-tenant customers to establish tighter internet access rules.

Group By node

The Group By node has been enhanced to allow the analysis designer to directly specify aggregation fields on the Group By node Properties panel. This speeds up and simplifies the analysis designer's task compared to using the node sheet actions to add aggregate fields, and then rename them.

Search screen preferences

The system has been enhanced to remember customization's that you have made on each search screen you use, including re-arranging, sizing or hiding fields.

Email information in tooltip

A tooltip with the user's email address is now displayed when listing users to be added to groups or environment groups. This helps to identify the correct user when first and last name information is incomplete or insufficient to identify the desired user.

Download audit trail data

Added the ability to download audit trail data from the audit trail page, and a new GraphQL API `queryAuditTrailDetails()` for querying audit trail data.

Corrected issues

Issue Summary	Issue Number
Fixed a dashboard issue where not all error messages were shown when there were multiple dashlets with errors.	ISX-21317
Fixed a query error that occurred in the query filter expression of a Case Store when a single argument was used in an IN or NOTIN function.	ISX-21218
Improved permission-related error messages in process models.	ISX-21309
Added validation for work ID in the terminateStageExecution, rerunStageExecution, and rollbackStageExecution GraphQL APIs.	ISX-21197
Fixed an issue in data grids where data store field values were not displayed using the field's display format when specified.	ISX-21355
Fixed an issue that prevented sorting from working in the Audit Trail page.	ISX-21367
Fixed a View Dashboard error which occurred after clicking Cancel on the New Dashboard dialog.	ISX-21469

Issue Summary	Issue Number
An error is now shown when viewing or editing a data view if the current storage type is invalid.	ISX-21381
Added a READ permission check on the pipeline item used in the GraphQL APIs createPipelineItemWatchers(), isPipelineItemWatcher(), and deletePipelineItemWatcher().	ISX-21393
Fixed a chart rendering issue that occurred when dimension series were used.	ISX-21386
When a malformed request URL causes a HTTP error, a custom error page is now shown, rather than the standard Tomcat error page.	ISX-21459
The performance of the execution history screen has been improved.	ISX-21450
A new tab now opens when pressing **CTRL** and clicking a task in a process model, or when clicking the **Go to Selected Stage** button in the **Show References** or **Show Usages** dialogs.	ISX-21422
Fixed an issue where adding data quality rules on the **Profile** tab could cause the profiling execution of the data store to fail due to NullPointerExceptions.	ISX-21466
Fixed an issue that prevented low volume data view executions from completing due to exceeding the S3 connection pool limit.	ISX-21370
Fixed an issue where following a hyperlink cell in a dashboard produced an invalid URL and the navigation failed.	ISX-21361
Fixed an issue that prevented context menus from being fully visible on the **Pipelines** page when the menu was near to the bottom of the screen.	ISX-21318

Release history

The topics in this section provide information about the enhancements and fixes that were included in previous releases of Data360 DQ+.

New in 10.0

> **Note:** This release applies only to cloud versions of the product.

Custom Security to Offer Readability Extension to Parents

Enhanced pipeline item's Custom Security settings to check selected environment groups for Read permission to parent items, and offered an option to grant Read access to parent items.

Data Catalog for Data Integrity Suite Governance

Previously, when sending metadata to Data360 Govern, DQ+ would always create and send data catalog references. This would cause the "Data Catalog" left navigation item to appear in standalone Data360 Govern systems. In this release, the system will not create reference lists or references for the data catalog unconditionally. It will only create references when the reference lists already exist, as is the case for the DI Suite governance module.

Increased Delimited Field Size

Previously, the system limited delimited field parsing to a maximum field size of 4096 characters. Now, the system will use the maximum length specified for a field definition for parsing that field. This allows customers to have longer fields for situations like a field that will contain an email body used in a process model "Notify from Data Store Task" node.

Enhanced Pipeline item's custom security settings to offer Readability Extensions to Parents

The pipeline item's custom security settings are now enhanced to check selected environment groups for Read Permissions to Parent items and offer an option to grant Read access to Parent items.

In this release we have also added the ability to add Read Data permission to the references of a stage in the pipeline Settings->Security tab when custom security is selected. When a security manager is editing the security for a dashboard which references data views and data stores as data sources, the security manager shall be able to quickly see those stages and ensure their Read authorization for anyone able to view the dashboard.

Additional Profile Attributes for Observability

The system now sends additional profile attributes for the profile source (Data360 DQ+), profile series, and profile type (sample or full). The profile series value may be input on the profile tab when the profile results are marked to be sent for governance.

Other Changes

- **Improved selected stage location information**: Previously, when viewing a stage in the Pipelines, the user may not be able to determine which pipeline and path the stage is within. Similarly, when choosing a stage in a process model or analysis, only the stage name is shown. With this enhancement, the system will now display the full path to the selected stage within the Pipelines screen. A node within a process model or analysis will show the full path to the stage. These changes help the user be aware of where the selected item is located at a glance.
- **Preserving filters**: Added preserving filters when user switches between Screens and across Sessions.
- **Improved permission error message**: Improved permission error message in analysis, data view, dashboard, process model, data store and case store screens.
- **Define multiple value of filters**: Added ability to define multiple initial values for filter fields with defined code sets.
- **Case management email notification links**: A new function, formatCaseViewURL, is now available when editing the javascript for a case state transition in workflow. This function produces a URL that will route the user to the desired search screen, filtered down to the single case that was transitioned. This improvement increases the productivity of case workers who are working cases via email notifications.
- **Change primary stage for a dashboard**: Previously, when a dashboard was created and the primary stage was chosen, the primary stage could not be changed. Even when none of the dashlets used the primary stage, the system maintained a reference to the primary stage which prevented that stage from being deleted. Now, when none of the dashlets in the dashboard refer to the primary stage, the user may change the primary stage on the dashboard settings dialog.
- **Records tab configuration for case view/edit**: Previously, the system chose which data store search to show on the Records tab when viewing a case. With this enhancement, the Case Store builder can edit javascript on the View/Edit screen definition to choose which Data Store to show on the Records tab using any of the fields of the current case. This allows the Case Store builder to choose the most productive default for a case worker.
- **Hide or rearrange search screen columns**: Currently, a case worker sees the result columns for a case or data store search screen as defined by the case definition. This enhancement allows the case worker to focus their results on the columns they need, in the order that they need them. This improves the productivity of the case worker.
- **Restricted search screen visibility**: Previously, the system shows search screens for a case store or a data store based upon the overall security settings for the stage. Now, the user defining search screens can define environment groups that can see the search screen. This allows user to control which search screens are available to end users of case stores or data entry within data stores.
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enhancement, the system will now display the full path to the selected stage within the Pipelines screen. A node within a process model or analysis will show the full path to the stage. These changes help the user be aware of where the selected item is located at a glance.

• **Search filter field initial operator**: Previously, the system showed the initial operator for a based upon initial filter values. Now, the user defining the search screen can specify an initial operator appropriate to the type of field without specifying an initial filter value. This ability allows the search screen filter to be optimized for typical usage by the search screen designer.

Corrected issues

Issue Summary	Issue Number
Fixed an issue in the Executions page where column values with double quote characters are not exported correctly in the downloaded CSV file.	ISX-21022
Improved product security posture by adding Strict-Transport-Security (HSTS) response header to static resources.	ISX-21031
Fixed an issue where sometimes html tags are being shown in error dialogs.	ISX-21074
Fixed incorrect header text being used in the Show Data table when custom aggregate field is used in dashboard.	ISX-21097
Fixed issue in security reports where security is shown as 'inherited' for stages which have custom security settings.	ISX-21101
Fixed the issue of computed value being truncated in dashboard when division is used in computed field.	ISX-21103
The case management notes tab is improved to order the notes in ascending order by posted date.	ISX-21105
Fixed the issue of unexpected values being displayed on the axis for bubble charts in dashboard.	ISX-21136
Fixed an issue where the EXISTSFILE function should only be available in enterprise edition installations.	ISX-21139
Eliminate saving an additional identical version during save from stage (case store, data store, etc.) editor.	ISX-21186

Issue Summary	Issue Number
Fixed unexpected error in dashboard when marker chart is plotted together with line chart in 3D mode.	ISX-21214
Fixed an issue where generating a schema and transformations from sample data for JSON was not correctly handling source names that contained unsupported field name characters such as a dash or an at sign (- or @).	ISX-21222
Fixed an issue that prevents completion of the source configuration dialog in the Streaming Join node.	ISX-21228
Fixed an issue where inline edit temporary error messages were difficult to read due to white text on a light background.	ISX-21329

New in 9.2

Note: This release applies to both cloud and enterprise editions of the product.

What's new

Add support for dataviews based on BigQuery

Added support for dataviews storing their data in Google BiqQuery columnar database

Filter Executions by Stage Name(s)

Added ability to filter executions by stage name.

Filter Executions multiple choice stage type and status

Added the ability to filter executions by multiple stage types or execution status.

Ability to copy a search screen

Added ability to duplicate a search screen

Show Me the Node Test Data Results

Added ability to download analysis sheet's data.

Provide visual clue of descriptions for nodes within analysis

Added visual indication on Analysis and Process Model diagram nodes when description is specified for a node.

Admin | Reports > Groups Page

Added capability to export groups and environment groups for a tenant into PDF and CSV report.

Edit Schedule for selected execution

Added Edit Schedule button in Executions screen.

Data Store profile executions push to Govern

When profiling is enabled for a data store, the results can now be sent to Data Governance (Data360 Govern) for use by the Precisely DI Suite's Observability capabilities.

Establish data catalog and/or Platform relationships on data stores and fields for observability

Send DQ+ data store and data store fields metadata to Govern to enable Data Observability Suite to configure alerts based on them and their profile data.

Other Changes

- Fixed SAML SSO login issue for enterprise deployment.
- Added Stage ID field to the Settings dialog of a stage.
- Added error indication in the tabs of environment screen when a tab is in error state.
- Enhanced the placeholder mapping for a data quality rule check to use the field selector dialog for better searching, multiple field mapping or unmapping, and scrolling when there are many mapped fields.
- Added context menu in Analysis to copy sheet's cell value to clipboard.

Corrected issues

Issue Summary	Issue Number
Fixed an issue where an external data store could be chosen of type ADLS (for Azure) in an enterprise installation.	ISX-11575
Fixed SAML SSO login issue for enterprise deployment.	ISX-11832
Fixed the issue of custom axis formatting not working in dashboards.	ISX-11902
Fixed an issue where Precisely rebranding makes dashboard grid header font specifications for white text hard to read. The system will detect the use of white color text with the new light grey background for the grid header, and will switch the text color to black.	ISX-11912

Issue Summary	Issue Number
Fixed an issue where the Noticeboard may show escaped HTML characters U003C after an administrator saves changes on Admin | Users > User Settings.	ISX-11929
Fixed the default date display format to use 4 digit year.	ISX-11940
Fixed an issue in the environment screen where the environment groups are not refreshed in the Roles tab if it's changed in the Details tab.	ISX-11945
Fixed the issue of 'Scale to Fit' option not working for text dashlets.	ISX-11951
After the execution history detail data is migrated to partitioned CosmosDB database test execution of all types of stages: analysis, data view, case store, profiled data store, process model. Visit Execution history screen and check that the counters over nodes of analysis are displayed on the bottom panel. Also check that correct counts are displayed on the bottom of the screen for jobs other than analysis.	ISX-11952
Fixed an issue where the technical assets Data Store Field, Case Store Field, and Dimension Field created in Data360 Govern did not include the available Description attribute that can be defined in DQ+.	ISX-11955
Fixed an issue where promoting, duplicating or creating a data store with Repository Type of S3 may fail with an error that the specified folder does not exist even though it does exist.	ISX-11957
Fixed an issue where the export to Excel of case search screen results did not use the same column headers as shown in the user interface.	ISX-11968
Fixed number display issue when custom display format is used in a numeric datastore or case store field.	ISX-20958
Fixed issue where field filter is not working properly on fields with display name that is significantly different from its name.	ISX-20959

Issue Summary	Issue Number
Improved performance of drawing and populating case management search screen, data entry search screen, case management view and edit screens.	ISX-20963
Corrected export of users report to include all records. Honor current filter settings when exporting.	ISX-20989
Enable support for low volume data view option in Kubernetes deployments.	ISX-21016

New in 9.2.2

Note: This release applies to both cloud and enterprise editions of the product.

What's new

- **Case management email notification links**: A new function, formatCaseViewURL, is now available when editing the javascript for a case state transition in workflow. This function produces a URL that will route the user to the desired search screen, filtered down to the single case that was transitioned. This improvement increases the productivity of case workers who are working cases via email notifications.
- **Records tab configuration for case view/edit**: Previously, the system chose which data store search to show on the Records tab when viewing a case. With this enhancement, the Case Store builder can edit javascript on the View/Edit screen definition to choose which Data Store to show on the Records tab using any of the fields of the current case. This allows the Case Store builder to choose the most productive default for a case worker.
- **Hide or rearrange search screen columns**: Currently, a case worker sees the result columns for a case or data store search screen as defined by the case definition. This enhancement allows the case worker to focus their results on the columns they need, in the order that they need them. This improves the productivity of the case worker.

Corrected issues

Issue Summary	Issue Number
Regression test execution on all platforms, particularly multi-tenant Azure and ensure that execution and node counts are complete. Attach logs from Azure execution.	ISX-11673

Issue Summary	Issue Number
Support SSO authentication using SAML in Kubernetes deployments.	ISX-21138
Fixed an issue where generating a schema and transformations from sample data for JSON was not correctly handling source names that contained unsupported field name characters such as a dash or an at sign (- or @).	ISX-21222
Fixed an issue that prevents completion of the source configuration dialog in the Streaming Join node.	ISX-21228

New in 9.2.1

Note: This release applies to both cloud and enterprise editions of the product.

Corrected issues

Issue Summary	Issue Number
Fixed an issue with Environments	Change History, where changes to roles or environment groups were part of the next change instead of the current change where they actually occurred.	ISX-21099
Add many notes spaced in time. Check that they are sorted by date and time in ascending order i.e. oldest notes at the top, newest at the bottom.	ISX-21105
Fixed a problem where the Terminate button is not working on the Admin > Executions page.	ISX-21107

New in 9.1

Note: This release applies only to cloud version of the product.

What's new

DQ+ Excel Output Node Writing to External Azure DataLake or S3 bucket - Backend

Added the ability for the Excel output node to write to a customers external storage account for Amazon or Azure installations.

Join node improvements - filtering and bulk rename of fields.

Enhancement to the Join nodes (regular and streaming) in analysis to allow bulk generation of output field names. Also added searching capability in the Join and Co-Group nodes.

Fast Filter by selected Stage

Added the ability to quickly filter the executions history on a selected stage.

Analysis design modes for faster Accept Changes

Introduced the ability for user to choose execution mode for the Apply Changes button in Analysis.

Partitioned data store access instead of file scanning

Added the ability to process partitioned S3 Parquet data stores. To enable partitioned processing, add a property called "partitioned" with a value of "true" to the layout Options table.

Improve Govern Integration to a Govern Without DQ+ Asset Types

Added ability to create Asset Types in a Govern instance before creating Root Asset type. Added validation to Server URL field.

Download tenant users list to CSV

Added CSV version of tenant's users report.

Other Changes

- Added the ability to quickly add all fields to the Group By Fields definition of the Distinct node.
- The Field Selector dialog has been enhanced to offer search filtering on available or selected fields, along with new options to sort the field list and quickly select all listed fields for movement into or out of the selected field list.
- Added search capability in the Fields and Operators/Functions lists of the expression editor to make it easier to find them when there are lots of fields available for expression.
- Added toolbar buttons to add data store fields while editing a data view.
- Replaced simple progress indicator with a popup which shows phases of CSV or Excel file export to make it resilient to timeouts.
- The system will now allow a user to switch to another tab from the Fields tab of a data store or case store upon confirmation when they have unaccepted changes for a field.
- A user can now perform a filtered search on the list of fields in a data store or case store on the Fields tab in order to more quickly locate the fields they need to modify.
- Show status of execution as 'Rolling back' when rollback is in progress. Prevent starting rollback of the execution if rollback is in progress.
- Added Cancel button to stage edit screens.

Corrected issues

Issue Summary	Issue Number
Fixed occasional errors when more than one stages are being used in dashboard.	ISX-11235
Fixed an import where error is not shown in the UI under certain circumstances.	ISX-11491
Fixed the issue of some warnings are not being shown to the user after successful import.	ISX-11714
Fixed an issue where an error during "Use traditional folder structure" processing was is reflected as the failure of the Analysis containing the output data store where it was used, and the appearance that a process model running that analysis was still running when it was not.	ISX-11738
Fixed execution error in output data store occurred when 'Use traditional folder structure when used for output' is turned on and external security options are provided in S3 or ADLS2.	ISX-11746
Fixed a bug preventing retrieval of synonyms from Govern when 'Read Synonyms from Govern' is checked for a data store field.	ISX-11762
Fixed a problem where output fields from a rule library execution node may not be visible in downstream nodes such as a Join node. To correct the problem, the user must re-accept changes on the rule library node, as well as the connected downstream nodes from the rule library node.	ISX-11780
Fixed saving issue related to auto layout in analysis edit screen.	ISX-11788
Fixed the issue of non-admin users are able to access some admin screens by typing in the URL directly.	ISX-11829
Fixed issue in in Groups and Environment Groups screens where Selected Items are not showing more than 10 items.	ISX-11839

Issue Summary	Issue Number
Added Security >Trusted Host Names setting in Admin Settings page to specify the sources that can be loaded into DQ+.	ISX-11850
Fixed the issue of custom axis formatting not working in dashboards.	ISX-11858
Added search field to the selected list items for Groups and Environment Groups.	ISX-11863
Improved error message to identify the user who made the change to the same analysis.	ISX-11875
Fixed duplicate title is sometimes shown for Web Content dashlet.	ISX-11876

New in 9.1.2

Note: This release applies only to cloud version of the product.

Corrected issues

Issue Summary	Issue Number
Corrected an issue with the storage of execution details in Azure multi-tenant environments that could cause database resource limits to be breached, resulting in not seeing execution detail counts or detailed error information when viewing an execution	ISX-12001

New in 9.1.1

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Enhancement to the Join nodes (regular and streaming) in analysis to allow bulk generation of output field names. Also added searching capability in the Join and Co-Group nodes.

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New in 9.0

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What's new

PhoneNumber & Email address Validation API Node to Spectrum

Added support for ValidatePhoneNumber & ValidateEmailAddress_v2 Spectrum OnDemand endpoint to Spectrum node in analysis.

Share/reuse dedicated EMR cluster executions

After the recent update in EMR clusters, we can have dedicated clusters reusable, especially in a process model. Hence, added options for configuring dedicated cluster's termination policy when defining an environment profile.

This will benefit with much reduced bootstrapping phase when executing multiple analysis flows in the process model.

Enable/Disable Dirty state

Provided more flexibility to set or clear the dirty states of items in the pipeline tree.

Hierarchy of Fields while creating Data store

The system will now generate field names that reflect the full hierarchy of the field for those layouts that support complex data. For example, when you have a hierarchy like group1 and group2 each with a field abc, the system will now generate field names like group1_abc and group2_abc instead of abc and abc2. This only applies to new field generation, the existing data store fields are unchanged.

Other Changes

- Added support of data label customizations for more chart types, and added ability to suppress chart legend's prefix if they are the same.
- Added GraphQL API to query execution history data.
- Added ability to edit calculator field expression via standard script editor.
- Format numeric values in the View Case and View Record screens the same as in Search screens i.e. with thousands separator and proper decimal symbol.
- Added the ability to change Stage for filter and text dashlets.
- Improved rule library editing by sorting rules by name in the tree, sorting placeholders, filtering during placeholder selection in rule. Show only selected rules or all rules in rule library node check popup.
- Added filter capability to the Time Zone and Language drop-downs in the Settings screen.
- Now the 'Show In Pipeline' button will be shown when a particular execution record is selected in the executions screen.
- Added option to use custom label for the Grand Total row in pivot grid.
- Changed the separator character between rule name and field name in data quality error reason output fields from an underscore to an ampersand. This helps to distinguish the rule from the field when observing or processing the error reason information via javascript.
- System supports to generate from File for a new data store which is XML supported source file.
- Added 'Go to Selected Stage' button when viewing an analysis or process model in the pipeline screen.

Corrected issues

Issue Summary	Issue Number
Properly process export after prompt notifying about large number of records to export.	ISX-11579
Fixed access control list of items moved before promotion or import.	ISX-11638
Fixed an issue where under some situations, staled data is returned for datastore with delimited layout when 'Allow Ad Hoc Queries' is enabled.	ISX-10936

Issue Summary	Issue Number
Fixed error when multiple pipelines containing custom security settings are promoted.	ISX-11540
Upgraded globalizejs library which had a bug in currencyFormatter and numberFormatter methods preventing users from seeing locale specific formatted values.	ISX-11584
Added field validations to data query for better security posture.	ISX-10745
Fixed issue where environment property cannot be used in DQ+ API Call node in analysis.	ISX-11726
Added option to show data tooltip for data and pivot grids.	ISX-11563
Fixed the issue of Save button being enabled initially in the home tile editor.	ISX-11519
Fixed the issue of all data were being loaded despite the New Data Since Last Load setting was selected in data view.	ISX-11568
Fixed an issue in data view where database keywords like 'select', 'in', 'check', etc. were not allowed to be used as field names.	ISX-11659
Fixed a problem with the generation of new fields from JSON example data in the JSON node and some REST API nodes where output field names generated may be duplicates. The system will now generate field names using a ParentName_ChildName convention. This change only affects new JSON transformations, existing ones are not modified.	ISX-11535
Fixed the issue of losing precision in the UI when displaying numbers which are out of range of native JavaScript number.	ISX-11367
Changed GraphQL APIs /tenantInfo and /updateTenantInfo end points to use TeantPreference instead of UserPreference.	ISX-11125
Fixed display issues of the Favorites or Recently Updated menu items in the top toolbar when the paths are long.	ISX-11234

Issue Summary	Issue Number
Fixed occasional errors when more than one stages are being used in dashboard.	ISX-11235
Fixed a problem where a nested analysis with multiple output ports, when connected to another nested analysis, incorrectly provide the data for one output port to both inputs in the receiving nested analysis	ISX-11574
Fixed a problem where accepting changes on the Filter Records tab of an input data store node did not immediately apply the filter condition.	ISX-11625
Fixed issue in multi-series pie charts where the chart on top is covering the chart below it.	ISX-11664
Fixed ordering issue in the Roles, Properties, and Execution Profile tabs of the environment screen.	ISX-11632
Fixed error when unmasking a record in the Data Details popup in dashboard.	ISX-11651
Fixed an issue where no records are shown when the Apply button is clicked on nested analysis nodes.	ISX-11582
Fixed an issue where triggering processing which links cases to records does not occur when a case store is used in a nested analysis.	ISX-11688
Fixed an issue where Execution Details node counts may be incomplete for the final snapshot of output counts for an analysis with many nodes. This problem has only been observed in Azure installations.	ISX-11673
Fixed an issue with DQ+ API node variables mapping error message and validation problem.	ISX-11720
Fixed header overlapping issue when custom font size is used in dashboard.	ISX-11700
Fixed an issue in dashboard where filtering on drill fields was not working correctly when the 'Apply filter fields across sources with same field name' checkbox is checked.	ISX-11690

New in 8.2

Note: This release applies to both cloud and enterprise editions of the product.

What's new

Automatic Cross view filtering on fields with same name

It is now possible to apply a filter to the dashlets that has a field by the same name with the same type across sources. By default, and for all existing dashboards, this setting will be unchecked.

AWS Implementation for Kubernetes

Added support for running the app server in Kubernetes i.e when is deployed to Kubernetes a Tomcat application server is initiated on each Kubernetes node and deploys application into each of them. is then connected to the Postgres database, S3 etc running outside of Kubernetes cluster.

Big Data Warehouse Cost Avoidance

Added the ability to disable Redshift , Synapse, and Vertica from being used as the data store for data views.

Added new 'Low Volume' option in storage type for data view

A Low volume data view is backed by the standard Postgres database (the one used for case stores, for example). Switching a data view storage type to Low Volume from High or Regular performance incurs a migration process upon save that moves the data from Redshift/Vertica/Synapse to Postgres and vice-versa.

S3 bucket access via STS Assume Role call

is enabled with S3 cross account bucket access via STS Assume Role call. This configuration returns a set of temporary security credentials that can be used to access AWS resources. These temporary credentials consist of an access key ID, a secret access key, and a security token. AssumeRole allows cross-account access.

S3 bucket access in different regions

Enhanced Data Stores for external S3 data to be able to access S3 buckets in different AWS regions.

Ability to customize Home screen Resources Section

It is now possible to manage the resource section on the home page. There is also an option to publish your own content and training material within homepage.

Larger box to edit SQL statements on Data Stores

has option to edit the SQL statements in database data stores using SQL editor.

Copy and Paste Functionality in Process Model

Copy and Paste functionality has been implemented in all the Process Model nodes such as external stage event, Stage Intermediate Event, Execute Stage/ Process Task, etc. This functionality works similar to how copy and paste works in the Analysis Chain.

Other Changes

- Updated spring framework and spring-security components to 5.3.22 and 5.7.3 respectively.
- Added search field in analysis and process model to filter the available nodes for selection.
- Added rate limiter to prevent password reset from being called too often.
- Allow admin to change internal user's authentication type to OIDC or SAML in addition to AUTH0 in the Users screen.

Corrected issues

Issue Summary	Issue Number
Increased the maximum expression length from 500 to 1500 in consistency, completeness, regular expression and general expression checks of Rule Library.	ISX-11365
Added backupservernode parameter in Vertica jdbc url. This is parameter is used to failover to secondary Vertica nodes if master Vertica node is down.	ISX-11161
Fixed an error where DQ+ Expression errors were not visible until the expression window was closed	ISX-11361
Fixed caching issue where data store queries were not picking up the latest data.	ISX-11289
Prevent deletion of rule group or rule if it is being used in analysis or data store.	ISX-11213
Show Current Filters menu item on dashlet has been renamed to Show Current Dashboard Filters.	ISX-11369
Fixed an unexpected error that appears in dashboard when filter dashlet is copied from one sheet to another sheet using a different data source.	ISX-11368
Fixed error when copy-and-paste collapsible group dashlet involving different data sources.	ISX-11364

Issue Summary	Issue Number
Fixed an error that happens occasionally when using the back button in browser after switching environment in view or edit screen of dashboard.	ISX-11150
Added validation of supported image file types when embedding image in noticeboard content.	ISX-11173
Prevented profile fields with invalid field categories from being saved in the system.	ISX-11301
Fixed incorrect time zone being used for displaying time series data values.	ISX-11214
Fixed bad URL link in email sent out for comment update.	ISX-11227
Fixed error in mutation API updateTenantInfo() when retentionSchedule is not provided. Also allow tenant domain to be used as the tenantId in the tenantInfo() query API.	ISX-11178
Fixed x-axis display issue in bar chart when there's only one data point.	ISX-11284
Fixed an issue where the UI may not be displaying the correct information for the "Mapped Groups", "Mapped Admin Groups", or "Initial Group Assignment" in the Users Settings dialog if these values are updated using API with certain values.	ISX-11278
Fixed broken function help links due to CSP violations.	ISX-11215
Fixed occasional errors that appear when more than one stage is being used in dashboard.	ISX-11235
Fixed display issues of the favorites or recently updated menu items in the top toolbar when the paths are long.	ISX-11234
Changed GraphQL APIs /tenantInfo and /updateTenantInfo end points to use TeantPreference instead of UserPreference.	ISX-11125
Introduced security enhancements to prevent HTML injection in emails.	ISX-11141

Issue Summary	Issue Number
Fixed issue where date fields are having time-related values when data are processed in analysis.	ISX-11384
Fixed issue of not able to save the data view for enterprise deployment if Big Data is not configured.	ISX-11399
Fixed an issue where internal users are still able to login using username/password after the application is switched to use SSO authentication.	ISX-11391
The email used by the users for registration or authentication is now case insensitive. Because of this change, the system will disallow adding users with the same email with different letter cases.	ISX-11142
Fixed ordering issue of arguments in Sqoop In/Out analysis nodes.	ISX-10130
Fixed the color issue of the header check box in data grid, and the layout issue of the Edit Data Quality Check dialog in analysis.	ISX-11413
Fixed an issue where dashboard UI might be unresponsive under certain circumstances.	ISX-11409
Fixed an error in database data store where the "nullable" setting for a field is incorrect after it has been removed as identity field.	ISX-11444
Added validation to createDataView() and updateDataView() GraphQL APIs to make sure primary data store name is specified in the data view definition.	ISX-11439
Improved performance of retention processing for internal data stores which contain many part files (e.g. about 100 for each execution) and with retention period set long enough so that the total number of files is in the tens of thousands. Also, improved viewing of this data store listing these files.	ISX-11451
Fixed error in pipeline tree if a node is selected together with one of its child nodes for export.	ISX-11432

Issue Summary	Issue Number
Fixed the issue of not able to cancel out of the "Unsaved Changes" dialog when adding a new computed field in data view.	ISX-11438
Fixed color issues in dashboard's filter fields and data grids.	ISX-11336
Fixed layout and cosmetic issues in the Analysis Settings dialog.	ISX-11466
Fixed execution error in Analysis edit mode involving Union node with empty input data.	ISX-11457
Preserve 3 output fields in REST API node as input fields into subsequent REST API node during node saves.	ISX-11452
Fixed the issue where rollback command asynchronously so UI stays responsive.	ISX-11470

New in 8.2.10

Note: This release applies to cloud and enterprise editions of the product.

What's new

- **Case management email notification links**: A new function, formatCaseViewURL, is now available when editing the javascript for a case state transition in workflow. This function produces a URL that will route the user to the desired search screen, filtered down to the single case that was transitioned. This improvement increases the productivity of case workers who are working cases via email notifications.
- **Records tab configuration for case view/edit**: Previously, the system chose which data store search to show on the Records tab when viewing a case. With this enhancement, the Case Store builder can edit javascript on the View/Edit screen definition to choose which Data Store to show on the Records tab using any of the fields of the current case. This allows the Case Store builder to choose the most productive default for a case worker.
- **Hide or rearrange search screen columns**: Currently, a case worker sees the result columns for a case or data store search screen as defined by the case definition. This enhancement allows the case worker to focus their results on the columns they need, in the order that they need them. This improves the productivity of the case worker.

Corrected issues

Issue Summary	Issue Number
The case management notes tab is improved to order the notes in ascending order by posted date.	ISX-21105
Support SSO authentication using SAML in Kubernetes deployments.	ISX-21138

New in 8.2.9

Note: This release applies to cloud and enterprise editions of the product.

What's new

- Added the EXISTSFILE function that checks the existence of files on local file system.

New in 8.2.8

Note: This release applies to only cloud version of the product.

Corrected issues

Issue Summary	Issue Number
Corrected docker image containing DQ+ software to target linux/amd64 platform	ISX-20985

New in 8.2.7

Note: This release applies to both enterprise & cloud versions of the product.

Corrected issues

Issue Summary	Issue Number
Improved performance of drawing and populating case management search screen, data entry search screen, case management view and edit screens.	ISX-20970

New in 8.2.6

Note: This release applies to both enterprise & cloud versions of the product.

Corrected issues

Issue Summary	Issue Number
Fixed exception encountered when logging out from SAML IdP which does not support single log out end point.	ISX-11948
Fixed an issue where the export to Excel of case search screen results did not use the same column headers as shown in the user interface.	ISX-11969
Fixed an issue where the system fails to execute the defined script for a View/Edit screen of a Data Store or Case Store.	ISX-11978
Fixed an issue where the user is unable to clear a filter field back to "Any" when the filter field was a Date or DateTime. Also fixed an issue where the user is unable to clear a filter field for a number with the operator "is between". Also fixed an issue where a filter field for a Date or DateTime might not show the year upon completing the calendar date picker.	ISX-11980

New in 8.2.5

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Issue Summary	Issue Number
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Fixed issue of not able to save the data view for enterprise deployment if Big Data is not configured.	ISX-11399

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Added validation to createDataView() and updateDataView() GraphQL APIs to make sure primary data store name is specified in the data view definition.	ISX-11439
Improved performance of retention processing for internal data stores which contain many part files (e.g. about 100 for each execution) and with retention period set long enough so that the total number of files is in the tens of thousands. Also, improved viewing of this data store listing these files.	ISX-11451
Fixed error in pipeline tree if a node is selected together with one of its child nodes for export.	ISX-11432
Fixed the issue of not able to cancel out of the "Unsaved Changes" dialog when adding a new computed field in data view.	ISX-11438
Fixed color issues in dashboard's filter fields and data grids.	ISX-11336

Issue Summary	Issue Number
Fixed layout and cosmetic issues in the Analysis Settings dialog.	ISX-11466
Fixed execution error in Analysis edit mode involving Union node with empty input data.	ISX-11457
Preserve 3 output fields in REST API node as input fields into subsequent REST API node during node saves.	ISX-11452
Fixed the issue where rollback command asynchronously so UI stays responsive.	ISX-11470

New in 8.2.4

Note: This release applies to both enterprise & cloud versions of the product.

Other Changes

- Added the ability to process partitioned S3 Parquet data stores. To enable partitioned processing, add a property called "partitioned" with a value of "true" to the layout Options table.

Corrected issues

Issue Summary	Issue Number
Fixed a problem where output fields from a rule library execution node may not be visible in downstream nodes such as a Join node. To correct the problem, the user must re-accept changes on the rule library node, as well as the connected downstream nodes from the rule library node.	ISX-11780
Fixed a problem where the system did not report an understandable error message when the submission of a job to the execution engine (such as Databricks) was rejected due to resource/quota limits.	ISX-11779
Fixed an issue where an external data store could be chosen of type ADLS (for Azure) in an enterprise installation.	ISX-11620

Issue Summary	Issue Number
Fixed an issue where a case screen with a text area field shows the html-style open bracket "<" as a Unicode escape character sequence instead.	ISX-11830
Fixed SAML SSO login issue for enterprise deployment.	ISX-11832

New in 8.2.3

> **Note:** This release applies to both enterprise & cloud versions of the product.

Other Changes

- Replaced simple progress indicator with a popup which shows phases of CSV or Excel file export to make it resilient to timeouts.
- Provided ability to export sample data in CSV and Excel formats.

Corrected issues

Issue Summary	Issue Number
Fixed an issue where an error during "Use traditional folder structure" processing was is reflected as the failure of the Analysis containing the output data store where it was used, and the appearance that a process model running that analysis was still running when it was not.	ISX-11738
Fixed an issue where Execution Details node counts may be incomplete for the final snapshot of output counts for an analysis with many nodes. This problem has only been observed in Azure installations.	ISX-11673

New in 8.2.2

> **Note:** This release applies to both enterprise & cloud versions of the product.

Corrected issues

Issue Summary	Issue Number
Upgraded globalizejs library which had a bug in currencyFormatter and numberFormatter methods preventing users from seeing locale specific formatted values.	ISX-11623
Fixed an issue where a nested analysis with multiple output ports, when connected to another nested analysis, incorrectly provide the data for one output port to both inputs in the receiving nested analysis.	ISX-11574
Fixed label for formatted correctly for gauge charts.	ISX-11608
Fixed an issue in data view where database keywords like 'select', 'in', 'check', etc. were not allowed to be used as field names.	ISX-11659
Fixed an issue where accepting changes on the Filter Records tab of an input data store node did not immediately apply the filter condition.	ISX-11625
Fixed a pivot grid issue where column headers for measures are not shown when date field is being used in the top axis.	ISX-11580
Fixed an issue where an external data store could be chosen of type ADLS (for Azure) in an enterprise installation.	ISX-11620

New in 8.2.1

Note: This release applies to only cloud version of the product.

Corrected issues

Issue Summary	Issue Number
Fixed an issue where the download from dashboard with over a million rows fails after the prompt.	ISX-11579

Issue Summary	Issue Number
Fixed an issue where a nested analysis with multiple output ports, when connected to another nested analysis, incorrectly provide the data for one output port to both inputs in the receiving nested analysis.	ISX-11574
Fixed an issue where no records are shown when the apply button is clicked on nested analysis nodes.	ISX-11582

New in 8.1

Note: This release applies to cloud editions of the product.

What's new

Shared cluster for AWS environments

It is now possible to specify an alternate cluster ID in the execution profile of an environment on AWS cloud deployments. When creating or editing an execution profile, you can add a cluster ID in the **Add Execution Profile** dialog.

API Node for GeoCode Validation

Data360 DQ+ now provides integration of Geocode validation with Spectrum. The new node when utilized in an analysis flow, the node calls the Geocode validation service from Spectrum OnDemand with minimal configuration.The new node performs an API call and transforms the response using a JSON parser.

Collapsible group dashlet to hold other dashlets

The Collapsible Group dashlet type allows the grouping of dashlets in the dashboard. This will enable you to show-hide the dashlets and filters placed inside the new collapsible group. And allow other dashlets to expand automatically when the collapsible group frame is hidden.

Other Changes

- Metadata sends more library rule properties to Govern e.g., rule type, expression, placeholder name, 'is used in semantic type identification' flag etc.
- A new enhancement has been added that allows you to control the menu items on the Case Management screen based on your preferences.
- The Prometheus endpoint has been added at /metrics for collecting web requests and stage execution metrics.

Corrected issues

Issue Summary	Issue Number
Fixed long text not fully shown on tool tips and made trigger param column's text copyable in executions screen.	ISX-11031
Fixed an issue of not showing the home page after environment is changed when you are on the view dashboard screen.	ISX-11018
Fixed an issue where user's login password is limited to 64 characters.	ISX-11090
Fixed an issue by adding server-side check to prevent non-admin user from changing its own email address.	ISX-11089
Fixed an issue to display user-friendly error message in dashboard when invalid usage of encrypted or token sized field is encountered in data query.	ISX-11129
Fixed HTML injection issue for confirmation dialogs in groups screen.	ISX-11092
Fixed an issue by adding server-side check to disallow non-admin user to read other user's information using the API.	ISX-11087
Fixed an issue by changing the subject line of the email received when account is locked from Data360 DQ+ Password Reset" to "Data360 DQ+ Account Locked".	ISX-11088
Fixed HTML injection issue for confirmation dialogs in environments screen.	ISX-11091
Fixed an issue by adding server-side changes to disallow you from performing the actions such as Enable, Disable, Make Admin, and Remove Admin on your own account.	ISX-11093
Fixed an issue of color picker fields in Admin > Settings screen showing red color by default.	ISX-11123

Issue Summary	Issue Number
Fixed an issue where locked account fails to unlock when admin resets the password.	ISX-11085
Fixed an security issue by ensuring that '<' and double quote character display correctly in case store, data entry, dashlets, analysis, notes, and activity log screens.	ISX-10910

New in 8.1.1

Note: This release applies to cloud editions of the product.

What's new

Enabled S3 cross account bucket access

This version allows you to enable S3 cross account bucket access via STS Assume Role call.

S3 bucket access in multi tenant environment

A set of fields for access to S3 buckets external to the standard bucket access for the tenant. Access Key, Secret Key to be supplied as values or environment parameter references.

Corrected issues

Issue Summary	Issue Number
Display error message on top of Expression Editor when testing expression.	ISX-11361
Increased the maximum expression length from 500 to 1500 in consistency, completeness, regular expression and general expression checks of Rule Library.	ISX-11365

New in 8.0

Note: This release applies to both cloud and enterprise editions of the product.

What's new

Administrators can now change passwords

If you have admin permissions, you can now change a user's password, rather than just the ability to send an email with instructions.

Address Validation API Node to Spectrum added

The ability to call a Spectrum OnDemand API from within Analysis has been added. The new node performs a call and transforms the response using a JSON parser.

Use the parent's chart color when drilling down

In the dashboard, the ability to start a series color from the current parent field's series color when drilling down, has been added.

Additional enhancements

• OAuth 2.0 authentication support in the Rest APIs has been implemented.

Other changes

• The case insensitive option is now available to filter fields that are a string type, with a component type of text or textarea and don't have code sets set.
• A Content-Security-Policy HTTP response header has been added.
• Content-Security-Policy headers have been added to images and to java script file's server responses.
• Added single-sign-on (SSO) support between and Assure. Now, when Assure's URLs are opened from , you do not need to login again.
• There has been a new implementation of the Third Party License attribution report.

Corrected issues

Issue Summary	Issue Number
Fixed an issue in the data store screen when the Encrypt check box is deselected, while the tokenize check box is selected.	IS-10466
Fixed an issue in the dashboard, where Show data did not display the description of the relevant field in the associated tooltip.	IS-10480
Fixed an issue that resulted in adding server-side validation for the data store profile definition.	IS-10625

Issue Summary	Issue Number
Fixed an issue that resulted in adding server-side validation for the data view name and display name.	IS-10649
Fixed an issue that resulted in improved button styling, to conform with the new branding of the UI.	IS-10655
Fixed an issue that meant no progress indicator was displayed, when downloading a log file from the Executions screen.	IS-10733
Fixed an issue that resulted in adding field validations to data queries, for a better security posture.	IS-10745
Fixed an issue to ensure the "Allow Ad Hoc Queries" check box is not enabled, when Excel is selected as layout type, in the Data Store screen.	IS-10825
Fixed an issue in a GraphQL API call, when `contentMetadata` was requested for a data store of a DELTA LAKE repository type.	IS-10837
Fixed an issue where the contents of the search screen were not being refreshed, after adding a note to a case. This caused the next operation, such as a transition or a take to fail, with a "Failed to update selected items, because they were changed by another user" error.	IS-10916

New in 7.1

Note: This release applies to both cloud and enterprise editions of the product.

What's new

Changes to the UI branding and appearance

The UI and documentation styles and colors have been updated to match the Precisely brand.

Computed fields and calculator fields have been added

Computed fields have been added to case stores, while calculator fields are a new addition to case management and data entry search screens.

Added a locale field to administration settings

A **Locale** field has been added to administration settings, which affects how data is displayed throughout the system and in the Executions log.

Define individual column widths

You can now specify the column widths of data grids used in a dashboard individually. A dropdown menu, available from the column header, enables you to both specify the column width and sort the order of its content. Clicking on the header will now select the column, instead of sorting it.

View a case directly from the case list

You can now view a case directly from the case list, simply by clicking the hyperlink in the first column, instead of clicking on the row and then clicking **View**. This also works within the grid on the Records tab of a case view.

New chapter added to the Azure Installation Guide

A new chapter, which provides information about how to change the Microsoft Azure secret has been added to the installation guide.

For more information, see "8. Changing the Microsoft Azure secret".

Maximum allowed storage increased for dedicated AWS instances

The maximum allowed storage for dedicated instances on AWS, has been increased from 10240GB to 16384GB in the execution profile.

Case management page changes

Define the initial view

You can now choose to initially display a dashboard, the queue or the search screen, when the case management page is opened. Previously you could only configure the default dashboard.

Customize the names in the navigation menu

You can now use different names for the Dashboards, Queues, and Search buttons in the navigation menu of the case management page.

Semantic type filtering updates

Semantic type filtering has been updated, based on the latest fast text analysis (FTA) and the locale setting. The semantic type updates have been made to datastore and casestore fields, dataview fields and dataview computer fields, when they are strings. User defined semantic types that start with d3s (case insensitive) are still not allowed.

Other changes

- There is a new home page design, with the ability to add stages to the favorites and recently updated lists.

- Trial support for JWT authentication has been added. This is also applicable for single-tenant cloud and enterprise deployments.
- The case management and data entry search screens now display longer column headers, before they are elided.
- You can now search for null values in the case screen filter fields.
- Support of Protegrity for data tokenization has been added.
- A text filter dashlet has been added to dashboards, which supports the filtering of multiple values.
- SecuPi support for data tokenization has been added.
- Support for reading `.gz` and `.gzip` files as data store data sources has been added.
- A prometheus `/metrics` endpoint has been added, for collecting web requests and stage execution metrics.
- Google Dataproc can now be used for the compute cluster in the enterprise version.
- Support for a generic Spark data source input and output has been added.
- Encryption of the environment-related encrypted properties and the secret key has been improved.
- Descriptions have been added to the dataview field definitions, and custom fields of the dashboard definitions.
- Field descriptions for data and case stores, as well as data views, now display as tooltips, associated with the column headers of a data table, in a dashboard, or within case search screens.
- The ability to add or update the app user in GraphQL API has been added.
- A new Spark Data Source layout has been added to S3 and HDFS/ADLS repository types, called "Spark Data Source".
- Added Google KMS support for key encryption, in an enterprise deployment.
- A new repository type called "Spark Data Source" has been added.
- Support for more security headers for the API and Web pages has been added, leading to an improved security posture.
- The standard log4j Java jar file has been replaced with one that has classes with security vulnerabilities removed.
- Support for multiple SecuPi applications for data protection has been added.

Corrected issues

Issue Summary	Issue Number
Fixed an issue with the field name of a dataview dimension exceeding 254 characters.	IS-9893
Fixed an issue that resulted in adding server-side validation for the length limit of a data store's field names.	IS-10270

Issue Summary	Issue Number
Fixed an issue that resulted in implementing input validation for the worksheet Index fields, in a data store's definition page.	IS-10328
Fixed an issue that meant updating the help text for the `UserUpdateInfoInput.password` field in the GraphQL API.	IS-10384
Fixed an issue that meant implementing group name validation, when adding users through the GraphQL API.	IS-10388
Fixed an issue that resulted in a data view failure, while loading data using Azure, when double quotes are present.	IS-10405
Fixed an issue where the Administration > Settings **Apply to All Dashboard** checkbox was not working, and the styles specified in the dashboard were not taking effect.	IS-10414
Fixed an issue where the **Unsaved Changes** dialog was unexpectedly being shown, in the Settings and Environment pages.	IS-10418
Fixed an issue that meant removing `userId` and `lastUpdateTimestamp` from `createOrUpdateUserPreference()` in the GraphQL API.	IS-10425
Fixed an issue that resulted in an unexpected error, when resetting someone's password.	IS-10470
Fixed an issue where the **Accept** button was not being enabled, when defining a computed field in a dataview.	IS-10479
Fixed an issue that resulted in the unsaved changes warning dialog not being used, when transitioned to the user profile screen.	IS-10484
Fixed an issue to allow the saving of proxy information for the REST API node in analysis, without the `userid` and `password`, when authentication is set to none.	IS-10485
Fixed an issue in the dashboard, which occurred when a float point field of the Big Data data view is used in a query.	IS-10527

Issue Summary	Issue Number
Fixed an issue that meant Pivot Grid header styles, as specified in Admin > Settings, were not working.	IS-10545
Fixed an issue that meant Web Content title styles as specified in Admin > Settings, were not working. As a result,the label was changed from 'Web Content' to 'Web Content Title' in Admin > Settings.	IS-10547
Fixed an issue that caused overlapping text in a table row, when very long text was used.	IS-10598
Fixed an issue that resulted in adding server-side validation to limit a data store field's display name to 255 characters.	IS-10602
Fixed an issue that resulted in adding server-side validation for the data store retention period.	IS-10619
Fixed an issue that occurred when there were fields with long names in a data view.	IS-10624
Fixed an issue that returned an Elasticsearch class not found error, when executing jobs using a fixed width layout.	IS-10691

New in 7.1.6

Note: This release applies to both cloud and enterprise editions of the product.

Corrected issues

Issue Summary	Issue Number
Fixed the issue of drop-down used by Environment Groups in the environment screen not usable when scrolling is involved.	ISX-11492
The commons-text third party library was updated to resolve the CVE-2022-42889 vulnerability.	ISX-11512

Issue Summary	Issue Number
Fixed the issue where application users should be excluded from the update when the authentication type of a tenant is changed during deployment.	ISX-11493
Fixed a problem where case store calculator field expressions did not allow fields with names including underscores or numbers to be used.	ISX-11524

New in 7.1.5

> **Note:** This release applies to both cloud and enterprise editions of the product.

What's new

- Allow admin to change internal user's authentication type to OIDC or SAML in addition to AUTH0 in the Users screen.

Corrected issues

Issue Summary	Issue Number
Fixed color issues in dashboard's filter fields and data grids.	ISX-11336
Fixed an issue where the home page displays an error for few environments that do not have retention schedule.	ISX-11345

New in 7.1.4

> **Note:** This release applies to both cloud and enterprise editions of the product.

What's new

Support Credentialed Access to ADLS

Enhanced data stores that access ADLS2 data on Azure to support credentialed access to data in external customer accounts.

Corrected issues

Issue Summary	Issue Number
Fixed an issue by adding Content-Security-Policy http response header to help prevent XSS attacks.	ISX-11164
Fixed a third party library, shadow-6.1.0.jar, which contains a version of log4j2 that has vulnerability CVE-2021-45105. The library is now updated to contain version 2.17.1 of log4j2 which fixes this vulnerablity and others.	ISX-11250
Fixed an issue where the UI was not displaying the correct information for 'Mapped Groups', 'Mapped Admin Groups', or 'Initial Group Assignment' in the users settings dialog when these values were updated using API with certain values.	ISX-11278

New in 7.1.3

Note: This release applies to enterprise editions of the product.

What's new

Support Credentialed Access to ADLS

Enhanced data stores that access ADLS2 data on Azure to support credentialed access to data in external customer accounts.

Corrected issues

Issue Summary	Issue Number
Fixed an issue by adding Content-Security-Policy http response header to help prevent XSS attacks.	ISX-11164

New in 7.1.2

> **Note:** This release applies to both cloud and enterprise editions of the product.

Corrected issues

Issue Summary	Issue Number
Fixed an issue that resulted in adding a server-side check to disallow a non-administrator to read another user's information, using the API.	ISX-11087
Fixed an issue that resulted in changing the subject of the email sent when an account is locked from " Password Reset" to " Account Locked".	ISX-11088
Fixed an issue by adding a server-side check to prevent a non-administrator from changing their own email address.	ISX-11089
Fixed an issue that meant limiting a user's login password to 64 characters.	ISX-11090
Fixed an HTML injection issue for confirmation dialogs in the environments screen.	ISX-11091
Fixed an HTML injection issue for confirmation dialogs in the groups screen.	ISX-11092
Fixed an issue that resulted in adding server-side changes, which disallow users from performing the following actions on their own account: **Enable**, **Disable**, **Make Admin**, **Remove Admin**.	ISX-11093

New in 7.1.1

> **Note:** This release applies to both cloud and enterprise editions of the product.

What's new

- The favorite functionality in a case store has been improved, so that you now return to the view from which you added a favorite.
- The enterprise version of Data360 DQ+ has been upgraded, and now uses the CDS 3.2 Cloudera spark package.
- The -related functionality has now been officially released, and no longer has a status of "tech preview".

Corrected issues

Issue Summary	Issue Number
Fixed a potential issue where dynamically launched dedicated clusters were not restricted to only an internal IP address.	IS-10811
Fixed an issue that resulted in correctly handling multiple uniqueness and anomaly validation checks, as defined in the single rule of the Rule Library analysis node.	IS-10812
Fixed an issue with the analysis screen, during test execution, which was caused by improper handling of the "Unmask All" setting. Also fixed the issue where changes made in the environments screen were not taking effect immediately, in analysis.	IS-10906
Fixed an issue that caused an incorrect time field value in an analysis, when daylight saving time was applied.	IS-10907
Fixed an issue where you were unable to save an analysis, when the rename and compute nodes are used together, under certain conditions.	IS-10950

New in 7.0

Note: This release only applies to the multi-tennant AWS edition of the product.

What's new

Copy and paste nodes to duplicate them

You can now copy and paste single or multiple nodes in an analysis chain, then change their properties, as required. This is particularly useful when you need similar nodes in a chain. There is no relationship or link between the original node or selection and the copied one/s, other than having similar properties. As a result, a change in one will not be reflected in a change in the other one.

Copy to and Move to are available for multiple selections in the pipeline tree

You can now use Copy to and Move to options for multiple stages in the pipeline tree.

New drill-down capability for an analysis diagram that involves a nested analysis

A new drill-down capability for an analysis diagram that involves a nested analysis in the Executions page, is now available.

OpenID Connect (OIDC) authentication added

Support for OpenID Connect (OIDC) authentication has been added, to integrate with Okta for cloud deployment.

Configuration options for AWS and Azure have been added

Options for configuring the storage space for the AWS environment's dedicated cluster execution profile have been added. In addition, automatic scaling configuration options for the AWS and Azure environment's dedicated cluster execution profiles have also been added.

Integration with

Integration with has been enhanced. now sends metadata to through a configurable integration. The type of metadata includes data stores, pipelines and paths, the rule library, dashboards and various other details.

Other changes

- You can optionally select "keep owner", when transitioning to a terminal state in case management.
- Support for Protegrity for data tokenization has been added.
- Disabled items have been removed from the Case Management search view "Transition" menu.
- A `dataProtectorInfo` property has been added to the GraphQL `systemInfo` API.
- A `deleteItems` GraphQL API has been added.
- An `updateItem` GraphQL API has been added..
- `SecuPi` support for data tokenization has been added.
- Support for Single Logout (SLO) for the SAML authentication type has been added.
- You can now download AWS Elastic Beanstalk log files, as well as the web tier log files from AWS and Azure single tenant deployments.
- You can now type in a field name in the Add/Edit filter field and display the results.
- You can now to download log files from the Azure App Service.
- A new flag has been added to the `populateUsers()` GraphQL API, to determine if a user should be an administrator, or not.

- UI support to configure disk space and auto scaling for dedicated clusters in environments has been added.

Corrected issues

Issue Summary	Issue Number
Fixed an issue that resulted in adding more validation to the GraphQL API `createDataStore()`.	IS-9745, IS-9747
Fixed an issue that resulted in adding more validation to the GraphQL API `createDataStore` for the concurrent reads parameter.	IS-9746
Fixed an issue that resulted in adding more server-side validation for `numHeaderRows` in a data store definition.	IS-9760
Fixed an issue that resulted in adding more server-side validation for a data store definition.	IS-9748, IS-9819, IS-9889, IS-10032
Fixed an issue that resulted in adding more validation to the GraphQL API input.	IS-9831, IS-9975
Fixed an issue related to the sorting of time-based fields.	IS-9841
Fixed an issue with the `createDataView` GraphQL API environment ID.	IS-9880
Fixed an issue related to the sensitivity of the date or time to the language setting in the user profile or browser settings.	IS-9916
Fixed an issue so that the display format value, as specified in the field definition, is used to determine the format of the "Date" ,"Time" and "DateTime" fields.	IS-9919
Fixed an issue that resulted in adding server-side validation for the S3 Channel details of a data store definition.	IS-9968
Fixed an issue so that only attribute types applicable to the selected `storeType`, `storeRepType` and the field type of the field are copied to a new data store.	IS-10025

Issue Summary	Issue Number
Fixed an issue that resulted in adding permission checks to GraphQL APIs, when creating a data view or data store.	IS-10098
Fixed an issue that meant encrypting the key, so that its value is not shown in clear text in access logs.	IS-10115
Fixed an issue that meant you were unable to scroll in a data view's details and dimensions tabs, when displayed in read-only mode.	IS-10217
Fixed an issue in the dashboard, where date field values were not showing up when used in the Y-axis.	IS-10347
Fixed an issue that meant the Co-Group node behavior changed, resulting in an extra row with empty arrays being emitted.	IS-10352

New in 7.0.1

Note: This release only applies to the cloud (AWS) edition of the product.

What's new

EMR release upgraded

The EMR release for dedicated clusters has been upgraded from 6.3.0 to 6.3.1.

Corrected issues

Issue Summary	Issue Number
Fixed an issue that resulted in making the synchronization process more failure resilient and so continuing, despite a stage of metadata synchronization failing. The `read.timeout` value has also been made configurable, through the `caf-httpclient.properties`.	IS-10537
Fixed an issue with dedicated cluster executions not picking up custom bootstrap actions.	IS-10567

Contact us

If you encounter any technical issues, we recommend that you visit the support portal at **support.precisely.com**.

Community

Our product is constantly evolving and input from you is highly valued. If you have any suggestions, please contact the product team by submitting a feature request on the **Community**.

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