onestream

# SensibleAI Forecast Release Notes

PV9.0.0 SV403

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# Release PV9.0.0 SV403

This theme of this Hotfix release is improving solution load times, navigation speeds, and addressing some minor issues.

# Compatibility

Use OneStream Software platform version 9.0.0 or later with this version and Xperiflow version 4.0.3 or later.

# New

## SensibleAI Forecast

- Page rendering speed updates
    - 25% page rendering increase on average across all pages in SensibleAI Forecast.
    - 85% page render increase on the Pipeline Arena and Analysis Forecast pages for projects with grouping and forecast overlays.
    - API caching optimizations to reduce load times across all pages.
    - Updated AIS Frameworks for speed enhancements.

## Functional Updates

- **Pipeline Arena** and **Analysis Forecast** pages
    - Enhanced functionality for filtering targets such as simpler filtering and improved load time.
    - New Forecast Versions pane for filtering forecast versions on the **Analysis Forecast** page with improved user experience.
    - More descriptive tooltips throughout the pages.
    - Added ability for direct download of data driving the visuals.
    - Improved the generative AI modal component allowing you to resize and move it around the screen.

# Fixed

- **Unprocessed Data Sources**: Resolved object reference error when feature data sources are unprocessed.
- **ProjectID**: ProjectId Not Found Error is fixed on Home page when navigating to Model Build without a project selected.
- **Time Zone Reset Styling**: Corrected layout styling when resetting the Time Zone on the Home page and Global Settings dialog.
- **Data Source Update**: Fixed layout error that occurred after exiting the Data Source Update dialog.
- **Redirect Logic for Rebuilds, Restarts, and Global Options**: Redirect errors have been resolved. Navigation now correctly routes to the appropriate pages and handles their logic as expected.

- **Build Statistics and Feature Data Set Upload**: Build Statistics no longer update based on Feature Data Set Upload actions.
- F**eature Data Set Upload Name Handling**: Uploads now properly handle feature set names that begin with spaces.
- **Component Workflows Error Handling**: Improved user-friendly error messaging when attempting to complete Component Workflows without completing all required steps.
- **Events Page Validation**: You are required to select an event before creating an occurrence, ensuring proper validation.
- **Datasource Snapshot Naming**: Snapshots now display the name of the source table instead of the name of the generated parquet file.
- **Reconciliation Task Improvements**: Reconciliation tasks have been optimized to run more efficiently and support unique configurations.

# Known Issues

- **Drop-down Box Behavior**: When filling out multiple drop-down boxes within the Source Data Upload, Feature Data Upload, or Data Update dialog forms too quickly, default dimension values may be filled in instead of retaining the previously selected values. Do not click through as fast as possible.
- **Tug of War Plot Display**: On the Pipeline Arena or Analysis Forecast pages, navigating from the Waterfall or Periodic Explanations views to the Tug of War view may result in the Tug of War plot occupying half of the screen. Click a drop-down from the model arena table to fix the width of the tug of war visual.

- **Feature Name Display in Periodic Explanations**: On the Pipeline Arena or Analysis Forecast pages, when viewing the Periodic Explanations page, feature names may extend outside of their cell bounds and overlap with the cell values. You can expand the column to view the full feature name without overlap. Expand the width of the column by clicking and dragging on the column divider.
- **Unexpected Tooltip in Periodic Explanations**: On the Pipeline Arena or Analysis Forecast pages, you may encounter the tooltip Hide training data in unexpected locations, such as column headers on the Periodic Explanations page.
- **Feature Impact Results**: On the Pipeline Arena or Analysis Forecast pages, PolyElasticNet and Cubist Model variants will generate Feature Impact results but will not generate Feature or Actual plot data.
- **Project Model Build Behavior During Copy**: The solution does not prevent you from making project model build alterations while the project is being copied. We recommend avoiding making any changes during the copy process.
- **Job Status Visibility on Home Page**: On the home page, Job Status for a project only displays updates for the main sections such as Target Data Load, Pipeline, Deploy, and Rebuild, rather than all jobs. A future release will include visibility into all jobs that are run.
- **Hierarchical Forecasting Reconciliation Issue**: When running model builds that use Hierarchical Forecasting with reconciliation, targets may disregard the Allow Negative Targets setting (set to No) and produce forecasts with negative target values.
- **Server Load Impact on Page Rendering**: When projects are running pipelines or other costly jobs consuming more than 75% of server resources, page rendering speeds may increase by approximately 25%.

- **Target Filtering Error on Configure Pages**: When filtering targets on Configure Assign, Configure Model, or Manage Health, if the filter returns no targets, clicking the magnifying glass at the bottom of the targets pane will trigger an error. To work around this, click out of the error and create a new filter.
- **Data Source Update Frequency Validation**: When running a data source update, you are not blocked from providing datasets that have an incorrect frequency. Predictions following such updates will fail due to the frequency change.
- **Event Removal on Project Restart**: Restarting a project may remove previously configured events. It's recommended that you revisit event configurations and assignments after restarting a project.
- **Restart Job During Project Copy**: You are not blocked from running the Restart job while a project copy is in progress. This is not recommended, as it may result in projects being in different states. To avoid inconsistencies, do not run a restart job or any other job during a project copy.
- **Multiple Tabs Open for Same Project**: If the same project is open in multiple different tabs, project names and labels throughout the application can either disappear or show incorrect values.
- **Consumption Groups Can Export Data from Failed Predictions**: If a prediction job were to fail after predictions were generated, the predictions would still be exported in the consumption group exports depending on settings chosen in the consumption group.
- **Cannot Edit/Delete a Location That Is Assigned to a Source Feature**: If a source feature dataset uses the location dimension, any locations used here cannot be deleted or edited unless the feature dataset is no longer in use.

- **Feature Generalization Source Feature Issues**: Statistics in the Feature Generalization grid on the **Pipeline** > **Features** page and **Insights** > **Features** pages can be misleading for source features. All target collection lags and source feature collection lags are considered the same feature in the feature generalization calculation.
- **Two users importing event packages prior to any existing**: If two users run the import all event package job at the same time from Solution Setup prior to the job ever being run for the environment, then the job can fail. It is recommended to have one user run this job on initial login to avoid the issue.
- **The forecast range column not representing change during manual rebuild**: On the Utilization Phase **Manage** > **Audit** page, the Forecast Range column does not show changes during a manual rebuild. If you change the forecast range in between rebuilds, then the original forecast range does not display properly in the **Manage** > **Audit** page, which still shows the old forecast range setting but not the new one.
- **The Distribution Statistics plot and related statistics no data case**: In the **Explore Targets and Features** dashboard, the Distribution Statistics bar chart and related statistics have no data if the feature time range does not overlap with the time range of the target data set.
- **Loss of multiselect parameters in all multiselect Combo-boxes**: There are situations when using multi-select in Sensible Machine Learning where the selection and the actual value of the selection do not match up. This does not cause major issues but may cause confusion where you have made a specific selection but the actual selection is different.

- **Restarted Model Build have no build info status information**: In the Utilization Section of Sensible ML, there is no way to tell the status of a model build (whether it successfully completed or failed). This makes it tough for the user to know the status of their project - especially in the event of an auto rebuild failing which will automatically archive the failed build for you. When that happens, there is no easy way to tell whether the build failed or not other than looking at the job activity table or the OneStream Task Activity info.
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- **Incorrect Allowed Models in Advanced Settings Page for Grouped Targets**: In the Modeling phase **Configure** > **Model** page, models selected to run for a grouped target using the advanced settings may not actually run. Some models selected are ignored by the engine. If only these models are selected, at least one allowed baseline still runs and produces predictions for the grouped target.
- **Tasks/Jobs not copied over for copied projects**: A copied project does not create copies of the jobs or tasks that ran from the original project. This means that those prediction jobs do not appear on pages such as the Utilization phase **Manage** > **Predict** page.
- **Job reversion is currently shown in the app**: Job reversion functionality in Sensible Machine Learning should only be used with help of support and under known circumstances.

- **Targets with no data in the validation, test, or holdout portions of the data splits**: In the Modeling phase **Pipeline** > **Train** page, if you have a target with no data in the validation, test, or hold portion, the mean model with a perfect fit for cleaned data is chosen. This then leads to the model having zero (0) for the error metric score. This makes the model appear to be performing well. These results should be ignored.
- **Discrepancy Targets: Rebuild small targets with a lot of cleaned data**: After rebuilding a small target with a lower number of data points than the largest target in a project, the small target:
    - Incorrectly shows an expected number data points on the **Explore Targets and Features** page based on the largest number of data points found across the project. This is not the amount making up the rebuild.
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- **Deleting a build does not delete objects created during that build**: When deleting a model build, previously created project-level objects are not deleted. This includes but is not limited to events, locations, and source feature data sources.

# Contacting Support

Contact OneStream Support by registering at:

Support - OneStream Software

# Release PV9.0.0 SV402

This theme of this Hotfix release is improving solution load times, navigation speeds, and addressing some minor issues.

## Compatibility

Use OneStream Software platform version 9.0.0 or later with this version and Xperiflow version 4.0.2 or later.

## New

- **API Caching Enhancements**
  - API caching optimizations to reduce load times across all pages.
- **UI Rendering Improvements**
  - UI organization improvements to reduce rendering times across all pages.

## Fixed

- **Data Update Access Restored**
  - Data Update Page is accessible while a Pipeline job is running.
- **Locations Page Sync Fixed**
  - Navigation Locations page are updating appropriately when new locations are added.

- **ProjectID**
    - ProjectId Not Found Error is fixed on Home page when deleting a project and creating one with the same name.
    - ProjectID Not Found Error is fixed on the Configure Assign page when assigning custom targets.
- **Target Name**
    - Target Name added to all visuals with target selection on the left pane.

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Support - OneStream Software

# Release PV9.0.0 SV401

## Prerequisites

Use OneStream Software platform version 9.0.0 or later with this version and Xperiflow version 4.0.1 or later.

## New

- **Display Reconciliation Strategy on Data Dataset Page**
    - Users are now able to view the reconciliation strategy that they selected while configuring hierarchical forecasting. This is included on the Data Dataset Page along with all other information about hierarchical forecasting and grouping.

## Changed

- **Scenario Modeling MetaFileSystem Storage**
    - When creating scenarios, display files are now stored in the project MetaFileSystem whereas they used to be stored in the OneStream Filesystem. This change was amended due to security restrictions through OneStream.

# Fixed

- **Feature Selection/Committing Multiple Features**
    - Resolved action that would occur when a user would attempt to commit or decommit multiple feature sets at the same time. Now, users are able to use all of the built out functionality in the correct form.
- **Page Level Navigation Restrictions**
    - Navigation restrictions are now designated at the page level upon load to increase efficiency and to guide users throughout the SensibleAI Forecast process.
- **UI Speed Optimization**
    - Consolidated API calls to Xperiflow to speed up the page load times throughout the solution's navigation.

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