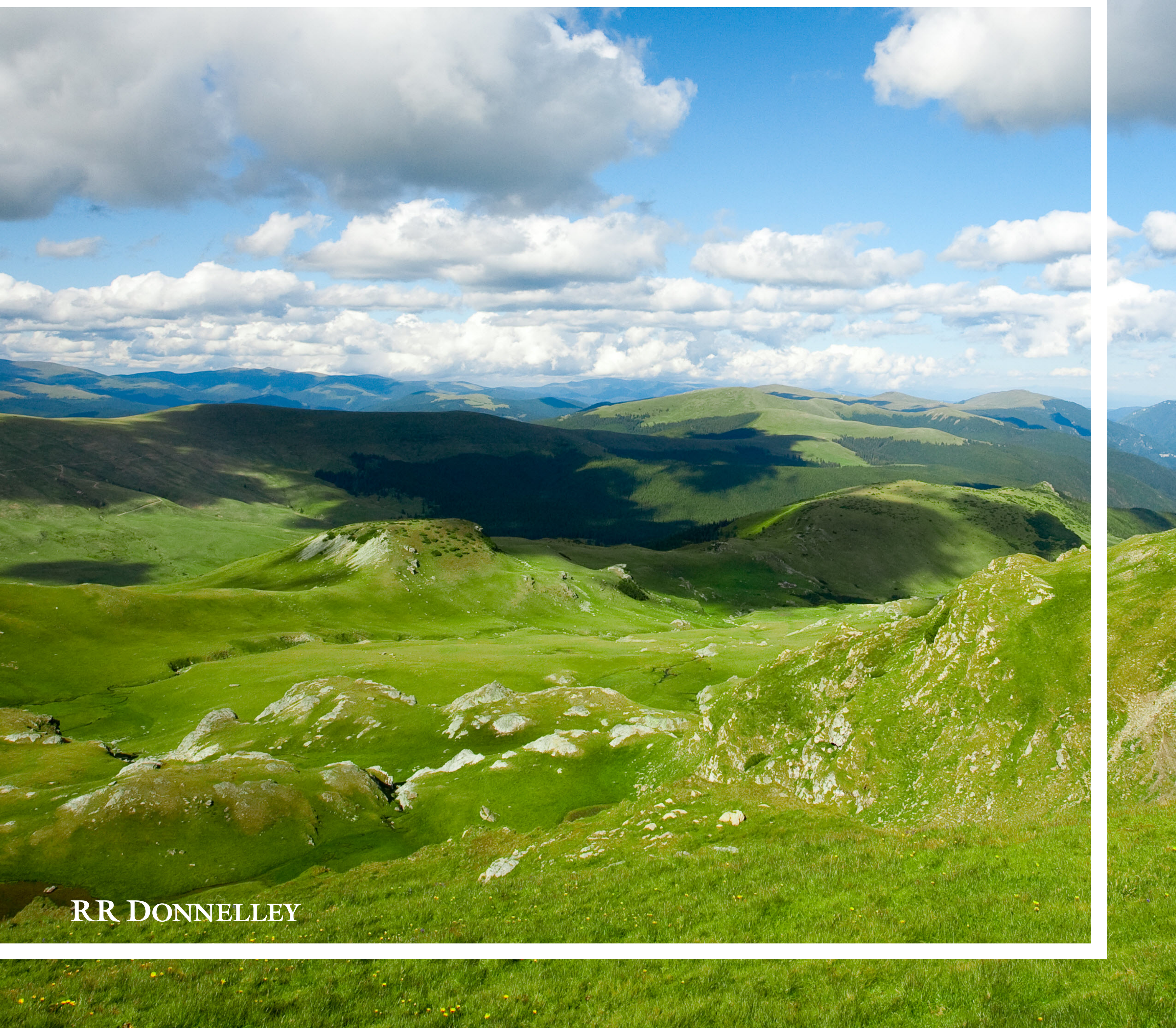
FundSuiteArc | ArcFiling

# FundSuiteArc Version 2.3.0 Release Notes

## ArcFiling 2.3.0

Revised: 9/2/2015



# Table of Contents

# Release Notes Preface

Release notes provide functional and technical details. This document describes how each enhancement functions within the context of the greater business process. This added level of detail should enable project teams to answer the following questions:

- Why was the change made?
- What out-of-the-box functionality will change?
- How do these changes affect the organization?

# Enhancements Requiring Immediate User Action

1. As part of the enhancement detailed in the ***Augmented functionality and consistency for "Conditional Value" data points in text/footnote libraries*** section of this document (starting on page 61), all conditional data points in a given text/footnote snippet will be shared. For a snippet that is rolled forward, pushed to another period or copied/pasted, the conditional data point(s) therein will synchronize with the original parent snippet, and any changes to the data point(s) will be replicated across both. In version 2.3.0, the ability to break these links was added to ArcReporting only. All data points copied with ArcFiling will remain linked to each other. Users are advised to recreate their conditional data point setup when copying snippets in ArcFiling if they do not wish conditional values to be linked.

# Enhancements Requiring User Decisions

1. As part of enhancements to project output management, the ***Drafts*** tab on the **Project** page and associated versioning functionality is no longer used. All published instances for both projects and chapters are now maintained in a new revision grid on the existing ***Output Management*** tab of the page. A series of new system settings associated with the purging of these revisions over time (accessed via the **System** page in the ***Platform Administration*** area) should be reviewed by management. See the ***Enhanced management of project- and chapter-level published output*** section of this document for more information.
2. Due to changes in the Holdings data import/dataload, users can now load holdings data without the inclusion of a ***SecurityName*** value. If a user does this and a given security is not part of the security library for the associated fund, the security will be loaded with *[No Caption Loaded]*. Users are advised to ensure that all data import source files include this field if they want to avoid this value being loaded. See the ***Security Caption ("SecurityName") value no longer required for Holdings load*** section of this document for more information.

# Important Notes

1. In previous versions of ArcReporting, mapping reports containing fund data points incorrectly displayed the raw or rounded values for data points returned via conditional values. These values are now correctly displayed as *0.00*, since there is no associated raw or rounded value.

# Known Issues Common to Multiple Products

The following section lists issues known to exist in this product release that are common across multiple FundSuiteArc products.

# 1. Listing grid download to XML format produces error message

## Overview

In previous versions of FundSuiteArc, users could download items in the ***Listing*** grid of the following pages to XML format:

- Financial Workbook Templates
- Tabular Data Templates
- Portfolio Statement Templates
- Charts of Accounts

In version 2.3.0, users are prevented from downloading the contents of these grids to XML format due to a warning message that displays on attempt to do so.

## Process Changes

Users that need to download the contents of these grids should download to other available formats (*e.g.*, *CSV*, etc.).

# Release Notes Summary

The following section offers a summary of features included in this product release. More detailed information about each item can be seen in the respective Enhancements section of this document.

# 1. Enhancements Common to Multiple Products

1. **Ability to render "soft returns" included in textual content**

   FundSuiteArc supports the ability to include "soft returns" in textual content by simultaneously pressing the `Shift` and `Enter` keys. Prior to version 2.3.0, soft return characters were not included in the XML code sent to the document processing service. These characters are now included in the XML code, such that they render as expected in project output.

2. **Document structure templates usability enhancements**

   Users can now map items to a document structure template when any element thereof is selected in the structure tree view. In addition, saving changes to a given structure template now automatically invokes the existing **Push Template Changes** pop-up dialogue to allow for synchronization between the updated structure template and any project templates that may use it.

3. **Efficiency feature for assigning text snippets, statement templates and tables to project templates**

   Users can now assign text snippets, portfolio statement templates, financial statement templates and tabular data templates to multiple project items of the appropriate type without the need to first select each item, as in previous versions of FundSuiteArc. In addition, saving changes to a given project template now automatically invokes the existing **Push Template Changes** pop-up dialogue to allow for synchronization between the updated project template and any projects that may be based upon it.

4. **Support for Class Information load options**

   Users now have the ability to conditionally overwrite class information balance fields during FTP dataloads and Excel push-button data imports.

5. **Ability to filter category library warnings from Holdings load details**

   Users now have the ability to suppress all warning and error messages related to security categorization in grids where Holdings load details are displayed.

6. **Ability to run Securities Audit Report across all complexes**

   Users with appropriate rights can now run the Securities Audit Report across all complexes at a database level. This allow a user to see the impact of updates to securities that are held across multiple complexes.

7. **Ability to freeze "Table Settings and Column Header Captions" grid columns**

   Enhancements were made to the ***Table Settings and Column Header Captions*** grid on the **Portfolio Statement Templates** page to allow users to more easily view the information contained in the many columns of the grid.

8. **Security Caption ("SecurityName") value no longer required for Holdings load**

   Validation logic for Holdings data imports and dataloads was modified to allow users load source files that do not contain the ***SecurityName*** column.

9. **Usage reports for tabular data and portfolio and financial statement templates**

   Usage reports were added for the each of the respective project template types (*i.e.*, financial statement, portfolio statement and tabular data). The reports function much like the Text Snippet Usage Report in FundSuiteArc and returns information on where the templates are in use.

10. **Ability to apply details and suppression settings across "All Funds - Repeat" chapters/sections**

    Users can now copy the underlying details and suppression settings of chapters or sections with a behavior setting of *All Funds - Repeat* to specified repeated chapters/sections in a given project template.

11. **Ability to assign project template fund(s) during template copy**

    When copying a project template, users are now able to assign fund(s) that will maintain chapter, section, item details and suppression settings.

12. **Enhanced caption and "new security" logic for Holdings load**

    The Holdings data import/dataload were modified to allow users use the security captions within the data source file for new securities. In previous versions of FundSuiteArc, the caption for new securities would come from the Security/Investment Master library within the database, rather than from the data source file.

13. **Ability to see complex/library name when editing text snippets in "maximized" view**

    Users can now toggle between text snippets when in a "maximized" view on the **Text Libraries** page. They will also be able to see the complex and library associated with the snippet they are currently editing.

14. **Improved update/display behavior of custom literal captions**

    Enhancements were made to **Tabular Data Template Output Settings** page so that when a user creates a custom literal (*e.g.*, *Fund*), and then drags it to the mapping grid, the ***Caption*** value of each language listed on the ***Format Items*** tab is set to match the specified custom literal text. Once the user has created the literal, any change to the ***Caption*** value for the default language will now automatically be reflected in the mapping grid.

15. **Augmented functionality and consistency for "Conditional Value" data points in text/footnote libraries**

    When adding a data point of type *Conditional Value* via the **Text Libraries**, **Footnote Libraries - General Ledger** or **Footnote Libraries - Holdings** pages, the **Insert Data Point** pop-up dialogue and associated functionality now match the existing conditional value functionality of the **Custom Data Points** page.

16. **Display of impacted projects/funds in Text Snippet Audit Report**

    Users can now see what funds/projects have been impacted by changes to text snippet content with addition of two corresponding columns to the **Text Snippet Audit Report** page.

17. **Ability to identify statement/tabular data template items using "Keep with previous" setting**

    Users can now easily identify output settings rows for financial statement, portfolio statement and tabular data templates for which the ***Keep with previous*** setting has been applied.

18. **Ability to add fund-specific items "No Repeat" chapters/sections**

    Document structure templates were enhanced to allow users to add a financial and/or portfolio statement to a chapter or section with a ***Behavior*** setting of *No Repeat*. This new feature allows the user to set the fund that data points in text snippets will use to evaluate. In addition, this functionality allows users to build document structures without using the chapter or section repeat type of *All Funds - Repeat*. This will be of help in situations where chapters or sections do not repeat for every fund in the document or where fund-specific information may need to be shown within a chapter or section that does not repeat.

19. **Improved processing of default style sheet publishing template settings**

    Updates to document processing logic were made to ensure that when a ***Publishing Template*** selection of *(Default)* is specified for a given chapter or section via the ***Chapter Detail*** or ***Section Detail*** sub-tab of the **Project Templates** page, the publishing template name passed to the rendering engine is that of the template designated as the ***Default*** via the **Style Sheets** page.

20. **Enhanced management of project- and chapter-level published output**

    Enhancements were made with regard to the management of published output on both the project and chapter levels. All published instances of both project- and chapter-level output are now maintained and accessible via the ***Output Management*** tab of the **Project** page for all users of a given complex.

# Enhancements Common to Multiple Products

The following section lists enhancements in this product release that are common across multiple FundSuiteArc products.

# 1. Ability to render "soft returns" included in textual content

*RRD ID: 51432*

## Overview

FundSuiteArc supports the ability to include "soft returns" in textual content by simultaneously pressing the `Shift` and `Enter` keys. Prior to version 2.3.0, soft return characters were not included in the XML code sent to the document processing service. These characters are now included in the XML code, such that they render as expected in project output.

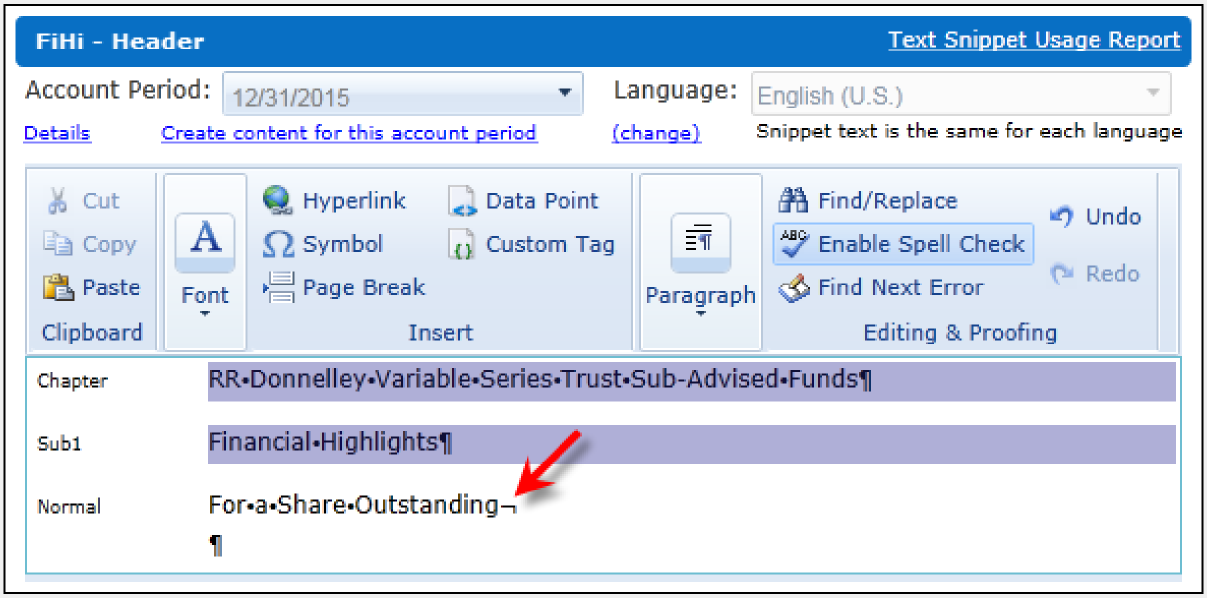
## What's New

"Soft return" characters entered in textual content by simultaneously pressing the `Shift` and `Enter` keys are now rendered in project output.

**Note:**

- "Soft return" characters can be entered in the text editor pane of any of the following application pages:
    - Footnote Libraries - General Ledger
    - Footnote Libraries - Holdings
    - Project
    - Text Libraries

- When the ***Toggle Format Symbols*** button (¶) is toggled on, any soft return characters included in the text body are represented in the text editor pane by the "soft return" symbol (¬).




## Process Changes

No changes to current processes are required.

Demonstration video

# 2. Document structure templates usability enhancements

*RRD ID: 51437*

## Overview

Users can now map items to a document structure template when any element thereof is selected in the structure tree view. In addition, saving changes to a given structure template now automatically invokes the existing **Push Template Changes** pop-up dialogue to allow for synchronization between the updated structure template and any project templates that may use it.

## What's New

1. A new ***Details*** sub-tab and the existing ***Available Items*** sub-tab are displayed at right of the ***Structure*** tab of the **Document Structure Templates** page when any element in the tree view is selected.
    a. Details associated with a selected item previously displayed in the ***Chapter Detail***, ***Section Detail*** or ***Item Detail*** section at right of the tab are now displayed in the new ***Details*** sub-tab.
    b. The ***Available Items*** sub-tab displays all available mapping items, as previously seen only when the *Document* tree view element was selected.
        i. Existing drag-and-drop functionality remains unchanged.
            A. Users can select any available item and drag it to the tree view structure at left of the tab.
                1. A red "x" indicator ( ) changes to a green check mark symbol ( ) when the item is dragged over a compatible structure item.
2. When changes are made to a document structure template and the user clicks the ***Save*** button ( ), the existing **Push Template Changes** pop-up dialogue now automatically displays.
    a. Functionality of the **Push Template Changes** pop-up dialogue remains unchanged.
        i. Users can select one or more of the displayed project templates, and then initiate synchronization between the document structure template and the selected project template(s) by clicking the ***Synchronize*** button ( ) at lower-right of the dialogue.

ii. Clicking the ***Cancel*** button () at lower-right of the dialogue without having clicked the ***Synchronize*** button will save the changes made to the current document structure template, but not synchronize with any of the project templates using that structure template.

**Note:**
The **Push Template Changes** pop-up dialogue can still be invoked manually at any time via the existing ***Push out changes to project templates based on this template*** link on the ***Administration*** tab.

### Process Changes

No changes to current processes are required.

Demonstration video

# 3. Efficiency feature for assigning text snippets, statement templates and tables to project templates

*RRD ID: 51453*

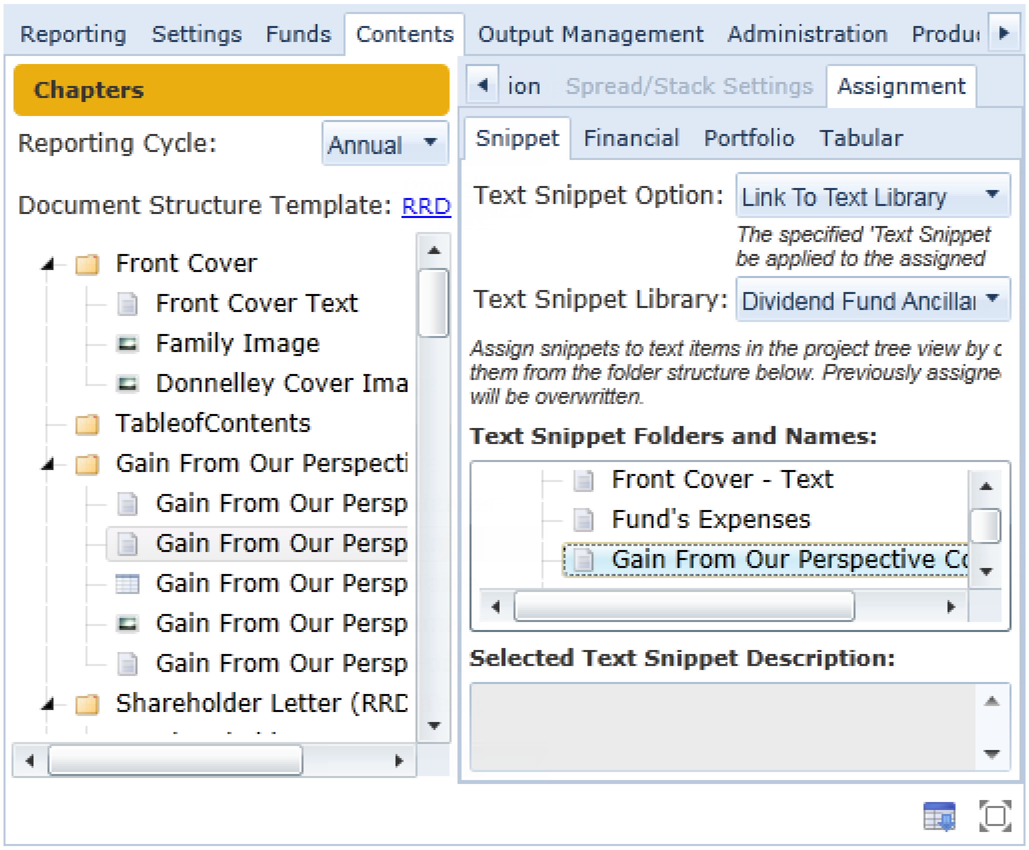
## Overview

Users can now assign text snippets, portfolio statement templates, financial statement templates and tabular data templates to multiple project items of the appropriate type without the need to first select each item, as in previous versions of FundSuiteArc. In addition, saving changes to a given project template now automatically invokes the existing **Push Template Changes** pop-up dialogue to allow for synchronization between the updated project template and any projects that may be based upon it.

## What's New

1. A new ***Assignment*** sub-tab is displayed at right of the ***Contents*** tab of the **Project Templates** page when any element in the tree view is selected. Four additional sub-tabs display on the ***Assignment*** sub-tab, through which users can specify applicable settings and then assign templates via drag-and-drop functionality:

a. ***Snippet***




i. Users can specify the desired ***Text Snippet Option*** and ***Text Snippet Library***.

A. The specified settings remain in place until changed by the user, allowing the user to drag-and-drop snippets to multiple text items in the project template, using those settings.

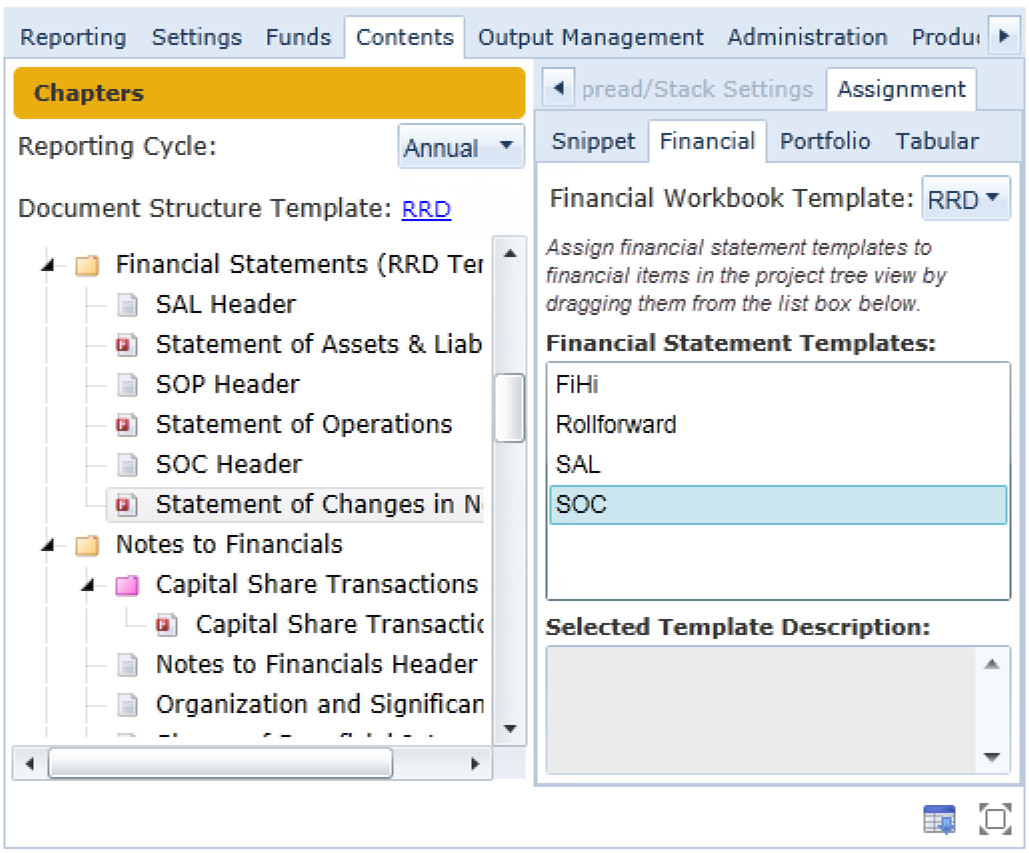
ii. Snippets in the specified ***Text Snippet*** library display in a ***Text Snippet Folder and Names*** pane, from which users can drag-and-drop the desired snippet(s) to the desired text item(s) in the project template tree view.

**Note:**

- If a snippet had been previously assigned to a given text item, it will be replaced by the newly-assigned snippet.

- If a text item for which a snippet is already assigned is selected in the ***Contents*** tab tree view, the ***Text Snippet Library*** selection on the ***Snippet*** sub-tab will update as needed to reflect the library in which that snippet is contained and the assigned snippet will be selected (highlighted) in the ***Text Snippet Folder and Names*** pane.

b. ***Financial***




i. Users can specify the desired ***Financial Workbook Template***.

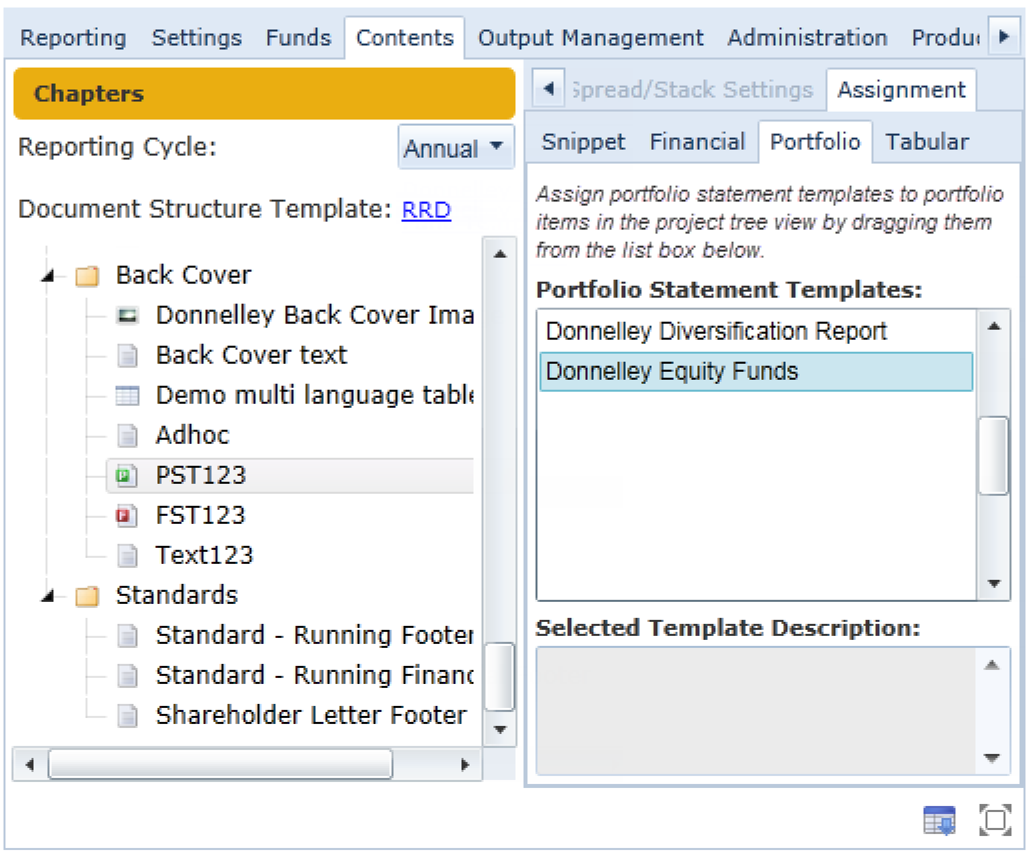
A. The specified setting remains in place until changed by the user, allowing users to drag-and-drop templates to multiple financial items in the project template, using that setting.

ii. Financial statement templates in the specified ***Financial Workbook Template*** display in a ***Financial Statement Templates*** pane, from which users can drag-and-drop the desired template(s) to the desired financial item(s) in the project template tree view.

**Note:**

- If a template had been previously assigned to a given financial item, it will be replaced by the newly-assigned template.
- If a financial item for which a template is already assigned is selected in the ***Contents*** tab tree view, the ***Financial Workbook Template*** selection on the ***Financial*** sub-tab will update as needed to reflect the workbook template in which that statement template is contained and the assigned statement template will be selected (highlighted) in the ***Financial Statement Templates*** pane.

c. ***Portfolio***

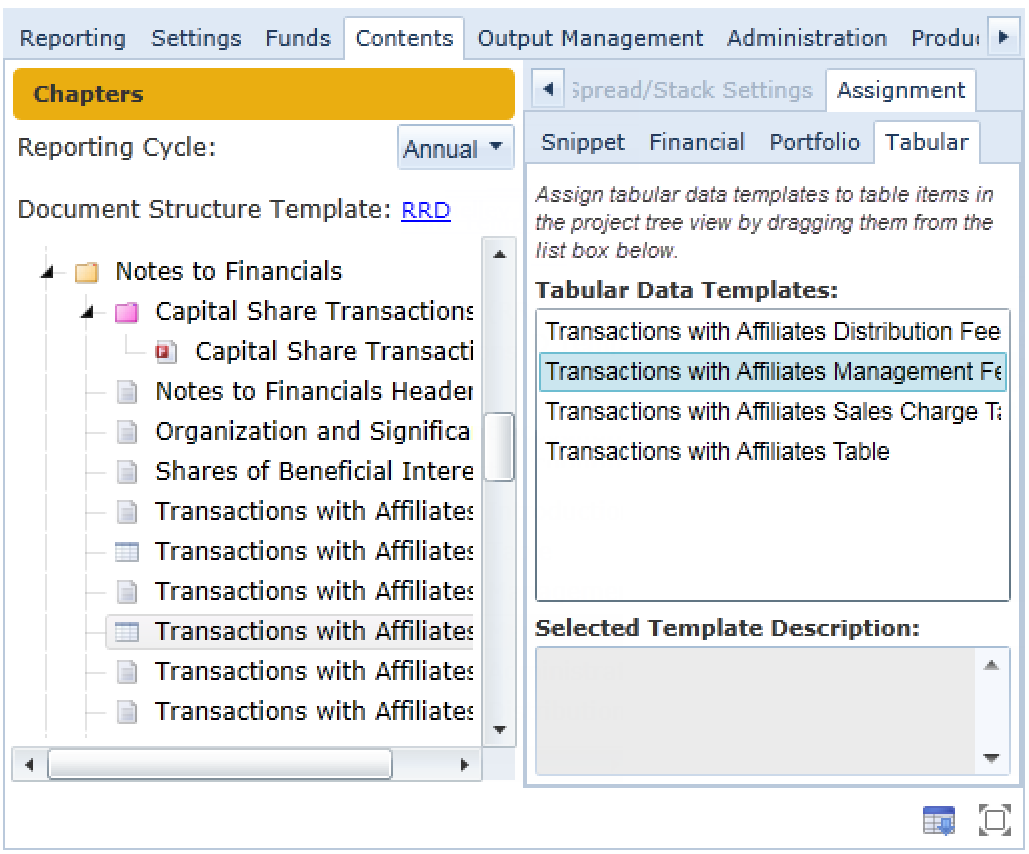


i. Portfolio statement templates display in a ***Portfolio Statement Templates*** pane, from which users can drag-and-drop the desired template(s) to the desired portfolio item(s) in the project template tree view.

**Note:**

- If a template had been previously assigned to a given portfolio item, it will be replaced by the newly-assigned template.
- If a portfolio item for which a template is already assigned is selected in the ***Contents*** tab tree view, the assigned statement template will be selected (highlighted) in the ***Portfolio Statement Templates*** pane.

d. ***Tabular***



i. Tabular data templates display in a ***Tabular Data Templates*** pane, from which users can drag-and-drop the desired template(s) to the desired tabular data item(s) in the project template tree view.

> **Note:**
> - If a template had been previously assigned to a given tabular data item, it will be replaced by the newly-assigned template.
> - If a tabular data item for which a template is already assigned is selected in the ***Contents*** tab tree view, the assigned tabular data template will be selected (highlighted) in the ***Tabular Data Templates*** pane.

2. When changes are made to a project template and the user clicks the ***Save*** button (), the existing **Push Template Changes** pop-up dialogue now automatically displays.

   a. Functionality of the **Push Template Changes** pop-up dialogue remains unchanged.

      i. Users can select one or more of the displayed projects, and then initiate synchronization between the project template and the selected project(s) by clicking the ***Synchronize*** button () at lower-right of the dialogue.

      ii. Clicking the ***Cancel*** button () at lower-right of the dialogue without having clicked the ***Synchronize*** button will save the changes made to the current project template, but not synchronize with any of the projects using that project template.

> **Note:**
> The **Push Template Changes** pop-up dialogue can still be invoked manually at any time via the existing ***Push out changes to projects based on this template*** link on the ***Administration*** tab.

## Process Changes

No changes to current processes are required.

Demonstration video

# 4. Support for Class Information load options

*RRD ID: 52626*

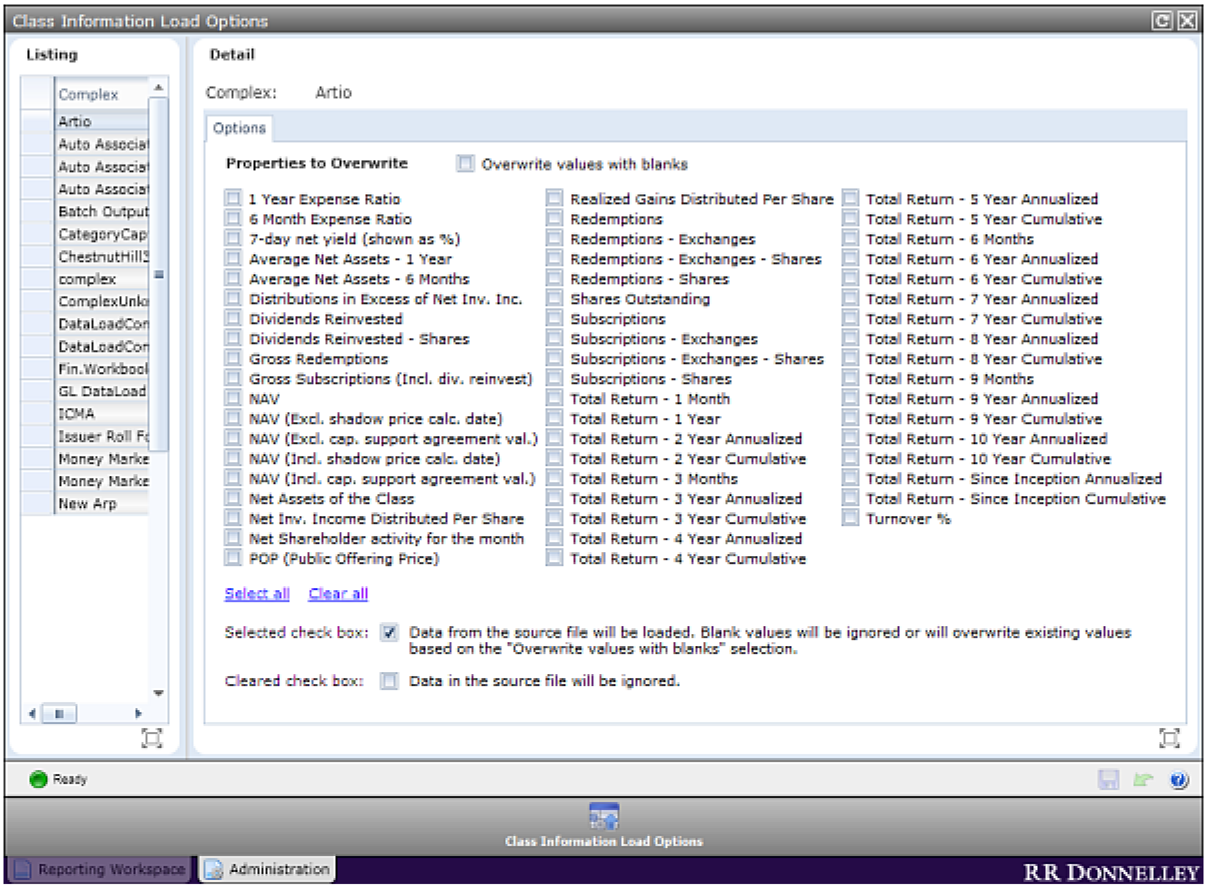
## Overview

Users now have the ability to conditionally overwrite class information balance fields during FTP dataloads and Excel push-button data imports.

## What's New

1. Two new user rights were added to the **Roles** page in the ***Platform Administration*** area.
    a. *Open Class Information Load Options Page (ArcFiling)*
        i. A user assigned this right can open the new **Class Information Load Options** page (described below) in the ArcFiling product.
    b. *Open Class Information Load Options Page (ArcReporting)*
        i. A user assigned this right can open the new **Class Information Load Options** page (described below) in the ArcReporting product.

2. A new *Class Information Load Options* item was added in both ArcFiling and ArcReporting under the respective **Dataload** menu sections on the ***Administration*** tab. When the *Class Information Load Options* menu item is clicked, the **Class Information Load Options** page displays.




a. A ***Listing*** group box is displayed in the left pane of the page, which lists complexes in the database to which the current user has access.

i. A grid is displayed in the group box.

A. A ***Complex*** column is displayed in the grid, which is populated with the name of each complex in the database.

b. A ***Detail*** group box is displayed in the right pane of the page.

   i. An ***Options*** tab is displayed in the group box, on which a ***Properties to Overwrite*** group box is displayed.

      A. An ***Overwrite values with blanks*** check box is displayed at the top of the group box, at right of the group box label.

         1. The check box is cleared by default.

         2. If the check box is selected, a blank value in the data source file will overwrite existing values in the database for any fields whose corresponding "overwrite" check box is selected.

         3. If the check box is cleared, blank values that may exist in the data source file will not overwrite existing values in the database for any fields whose corresponding "overwrite" check box is selected.

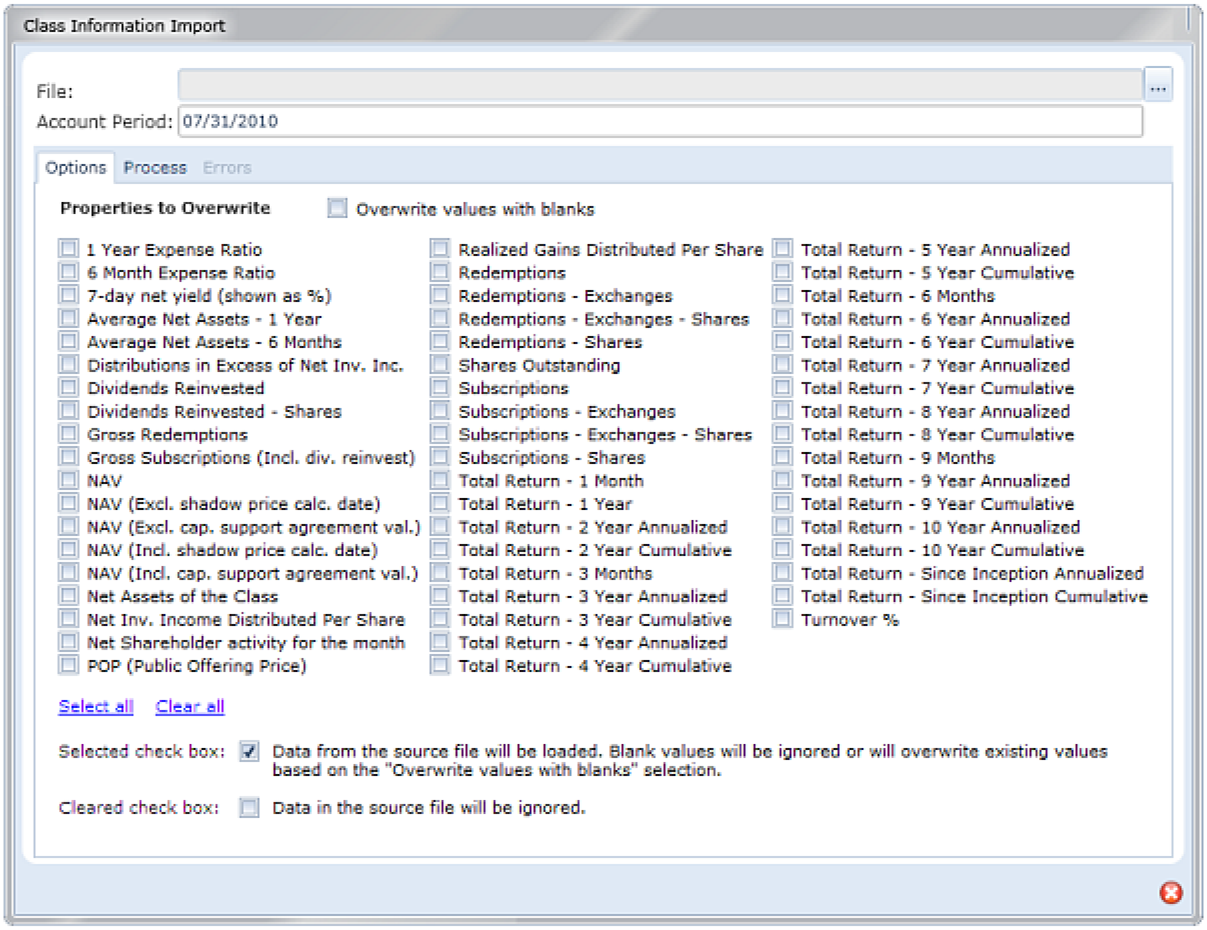
      B. A series of "overwrite" check boxes, arranged in several columns, is displayed within the group box.

         1. All check boxes in the group box are cleared by default.

**Note:**

- For all fields whose "overwrite" check box is selected, data in the source file will be loaded during FTP dataloads. Blank values will be ignored or will overwrite existing values based on the ***Overwrite values with blanks*** selection.
- For all fields whose "overwrite" check box is cleared, data in the source file will be ignored.

3. An ***Options*** tab was added to the existing **Class Information Import** dialogue.




a. This tab is enabled and selected (has focus) when the dialogue is initially opened.

b. A ***Properties to Overwrite*** group box is displayed on the tab.

c. An ***Overwrite values with blanks*** check box is displayed at the top of the group box, at right of the group box label.

   i. The check box is cleared by default.

   ii. If the check box is selected, a blank value in the data source file will overwrite existing values in the database for any fields whose corresponding "overwrite" check box is selected.

iii. If the check box is cleared, blank values that may exist in the data source file will not overwrite existing values in the database for any fields whose corresponding "overwrite" check box is selected.

d. A series of check boxes, arranged in several columns, is displayed within the group box.

i. All check boxes in the group box are cleared by default.

**Note:**

- For all fields whose "overwrite" check box is selected, data in the source file will be loaded during the Excel data import. Blank values will be ignored or will overwrite existing values based on the ***Overwrite values with blanks*** selection.
- For all fields whose "overwrite" check box is cleared, data in the source file will be ignored.

### Process Changes

Going forward, users should review the list of fields set to overwrite during FTP dataload. All fields are set to not overwrite by default; users should make the necessary adjustments prior to attempting an FTP dataload.

Demonstration video

# 5. Ability to filter category library warnings from Holdings load details

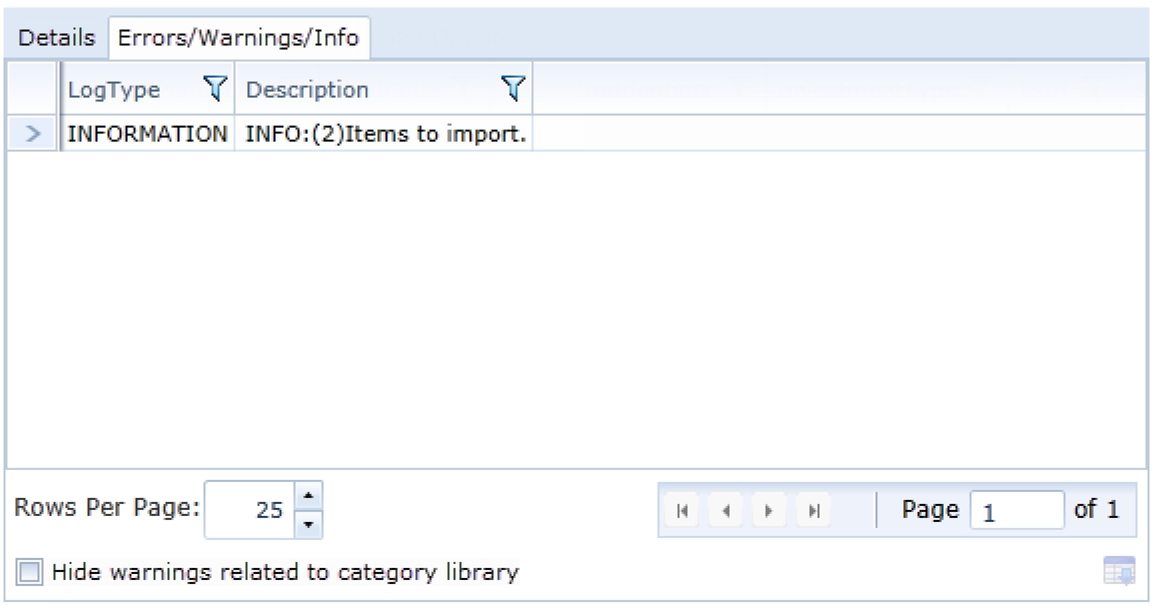
*RRD ID: 52627*

## Overview

Users now have the ability to suppress all warning and error messages related to security categorization in grids where Holdings load details are displayed.

## What's New

1. A ***Hide warnings related to category library*** check box option was added at lower-left of the grid on the ***Errors/Warnings/Info*** tab of the **Archive** page.

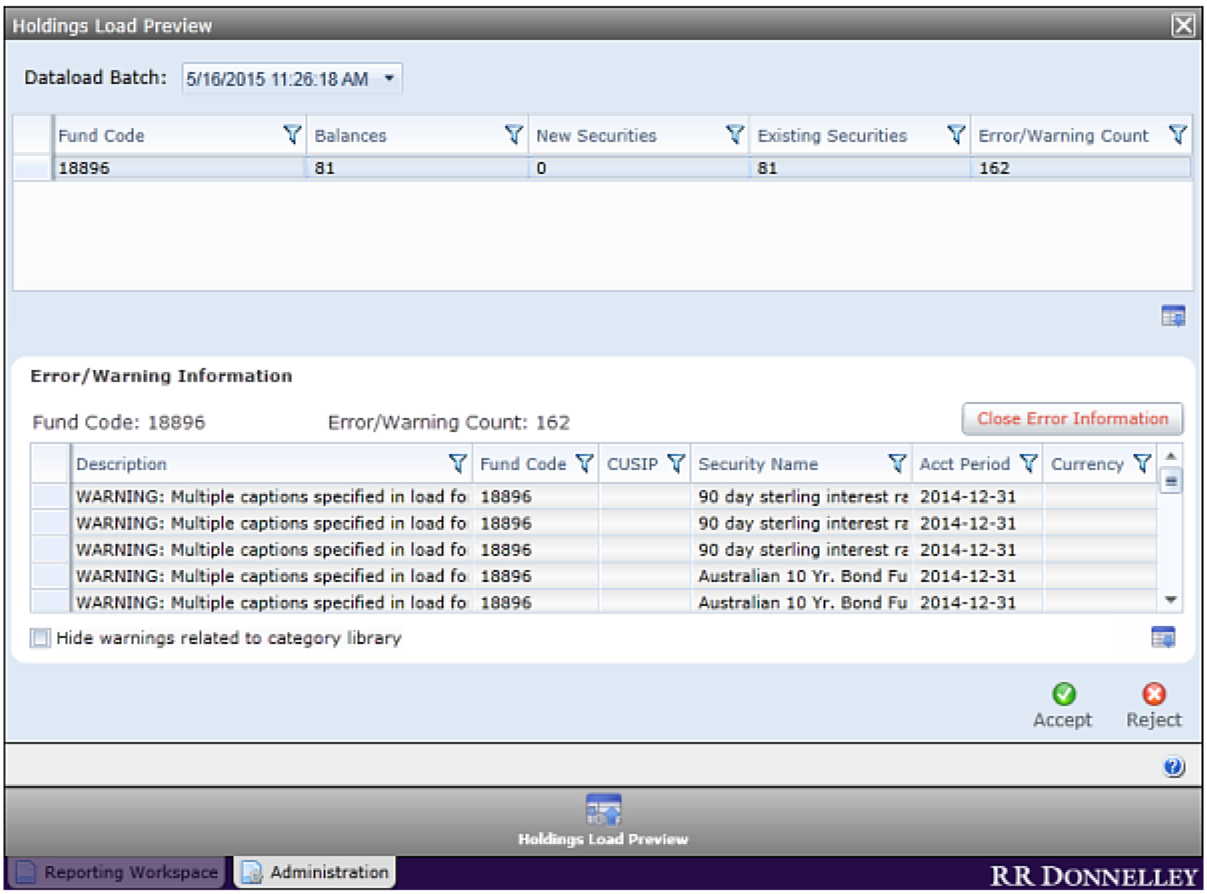



   a. Selecting the check box causes all rows representing errors and warnings pertaining to the category library to be filtered out of the grid (*i.e.*, hidden).

b. Clearing the check box causes all rows representing errors and warnings pertaining to the category library to be displayed in the grid.

> **Note:**
> Users have the ability to do additional filtering on the page using the filter button at right of each column header.

2. A ***Hide warnings related to category library*** check box option was added at lower-left of the ***Error/Warning Information*** grid on the **Holdings Load Preview** page.

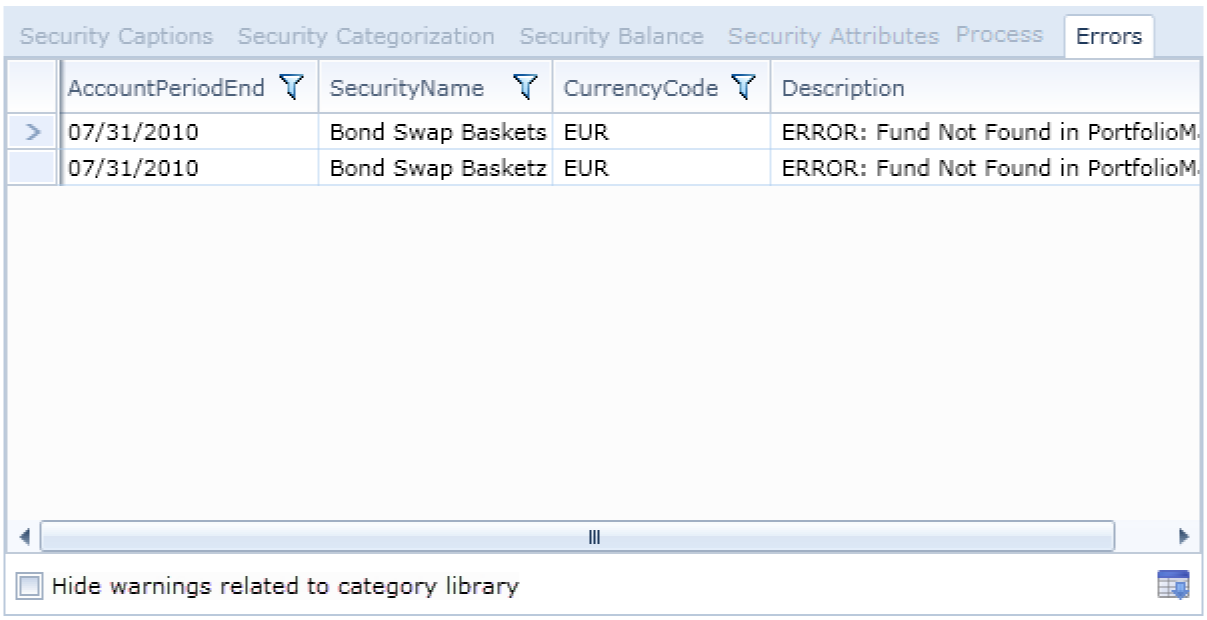



a. Selecting the check box causes all rows representing errors and warnings pertaining to the category library to be filtered out of the grid (*i.e.*, hidden).

   b. Clearing the check box causes all rows representing errors and warnings pertaining to the category library to be displayed in the grid.

   > **Note:**
   > Users will have the ability to do additional filtering on the page using the filter button at right of each column header.

3. A ***Hide warnings related to category library*** check box option was added at lower-left of the grid on the ***Errors*** tab of the **Holdings Import** dialogue.




   a. Selecting the check box causes all rows representing errors and warnings pertaining to the category library to be filtered out of the grid (*i.e.*, hidden).

   b. Clearing the check box causes all rows representing errors and warnings pertaining to the category library to be displayed in the grid.

   > **Note:**
   > Users will have the ability to do additional filtering on the page using the filter button at right of each column header.

### Process Changes

No changes to current processes are required.

Demonstration video

# 6. Ability to run Securities Audit Report across all complexes

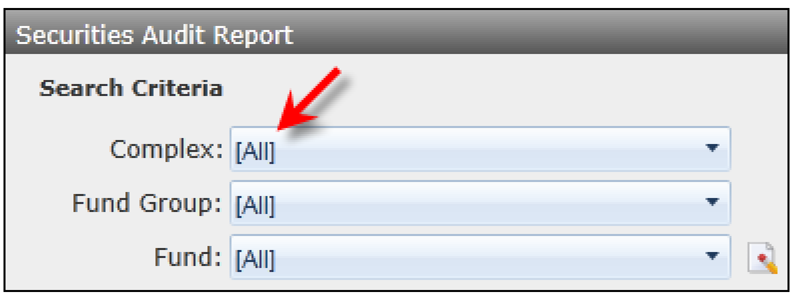
*RRD ID: 52629*

## Overview

Users with appropriate rights can now run the Securities Audit Report across all complexes at a database level. This allow a user to see the impact of updates to securities that are held across multiple complexes.

## What's New

1. A new *Run Securities Audit Report at Environment Level* user right was added as child to the existing *Open Securities Audit Report Page (ArcFiling)* and *Open Securities Audit Report Page (ArcReporting)* rights.
2. The ***Complex*** drop-down list in the ***Search Criteria*** section of the **Securities Audit Report** page now includes an ***[All]*** selection to facilitate the new report scope capabilities.




> **Note:**
> This selection is only visible/selectable if the current user is assigned the *Run Securities Audit Report at Environment Level* user right; the selection does not display otherwise.

   a. When this selection is specified, both the ***Fund Group*** and ***Fund*** drop-down lists are disabled, and their respective selections are automatically set to *[All]*.

   > **Note:**
   > The ***[All]*** selection is not visible in either the ***Fund Group*** or ***Fund*** drop-down lists unless *[All]* is the specified selection for the ***Complex*** drop-down list.

b. When this selection is specified, report results will be for all complexes to which the current user has access, and all the associated fund groups and funds.

## Process Changes

No changes to current processes are required.

Demonstration video

# 7. Ability to freeze "Table Settings and Column Header Captions" grid columns

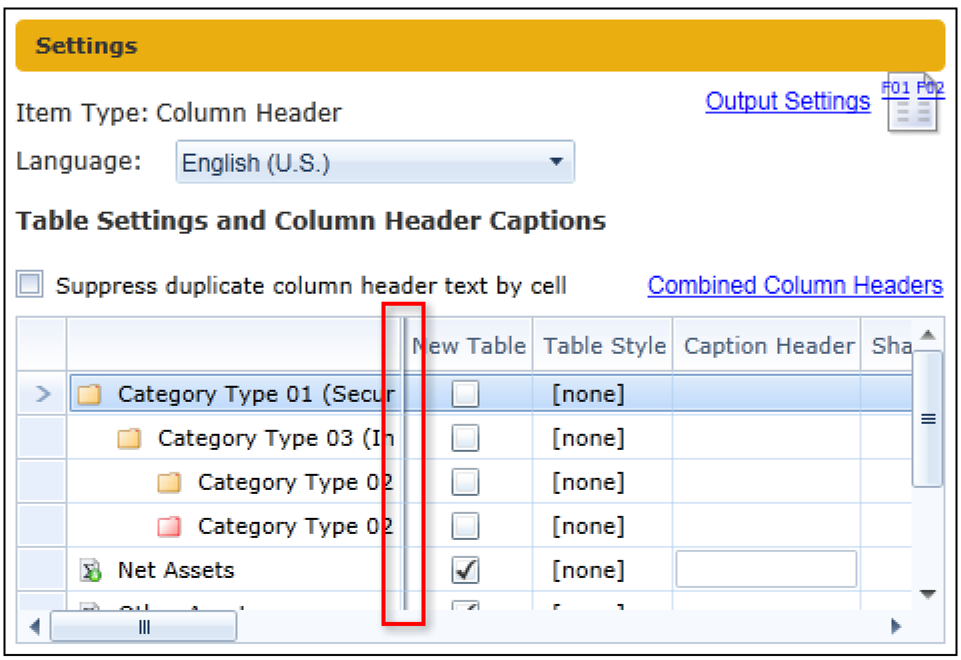
*RRD ID: 52634*

## Overview

Enhancements were made to the ***Table Settings and Column Header Captions*** grid on the **Portfolio Statement Templates** page to allow users to more easily view the information contained in the many columns of the grid.

## What's New

A vertical splitter bar was added to the ***Table Settings and Column Header Captions*** grid on the **Portfolio Statement Templates** page.




1. The splitter bar is positioned between the first and second columns of the grid by default when the page is opened.
    a. The user can drag the splitter bar to freeze/unfreeze additional columns as needed.

**Tip:**
The splitter can also be removed from use by pulling it to the left of the first column.

2. This feature is also available on the **Edit Combined Column Header Captions** dialogue, which is invoked via the ***Combined Column Headers*** link at upper-right of the ***Table Settings and Column Header Captions*** grid.

## Process Changes

No changes to current processes are required.

# 8. Security Caption ("SecurityName") value no longer required for Holdings load

*RRD ID: 52636*

## Overview

Validation logic for Holdings data imports and dataloads was modified to allow users load source files that do not contain the ***SecurityName*** column.

## What's New

1. The fund holdings Excel import template provided via the FundSuiteArc application was modified to show the ***SecurityName*** column as non-required; its column header is now colored blue, rather than green, as seen in the template provided in earlier versions of FundSuiteArc.

| A | B | C | D | E |
|---|---|---|---|---|
| AccountPeriodEnd | FundCode | MasterIdentifier | SecurityName | MarketValue |
| 12/31/2014 | AF01 | AF0100000001 | | 9999999 |

**Note:**
A blue column header indicates that a given field is part of the security library, but is not required for data import.

2. If the ***Security Caption*** overwrite check box option is cleared, the data import will now behave as detailed in the workflow diagram provided in the ***Appendix A: Holdings Import Security Caption Overwrite Logic*** section of this document (starting on page 85).

3. If the ***Security Caption*** overwrite check box option is selected, the data import will now behave as detailed in the workflow diagram provided in the ***Appendix A: Holdings Import Security Caption Overwrite Logic*** section of this document (starting on page 85).

### Additional Information

The ***SecurityName*** column header in the XLS file generated via the **Holdings Data Extract** page was not updated in version 2.3.0 to reflect the column's non-required state (*i.e.*, it is still colored green), but it will be updated accordingly in the version 2.4.0 product release.

### Process Changes

No changes to current processes are required.

Demonstration video

# 9. Usage reports for tabular data and portfolio and financial statement templates

*RRD ID: 52638*

## Overview

Usage reports were added for the each of the respective project template types (*i.e.*, financial statement, portfolio statement and tabular data). The reports function much like the Text Snippet Usage Report in FundSuiteArc and returns information on where the templates are in use.

## What's New

1. A series of user rights were added to the **Roles** page in the ***Platform Administration*** area to govern access to each of the new reports.
   a. *Open Financial Statement Template Usage Report Page*
   b. *Open Portfolio Statement Template Usage Report Page (ArcFiling)*
   c. *Open Portfolio Statement Template Usage Report Page (ArcReporting)*
   d. *Open Tabular Data Template Usage Report Page (ArcFiling)*
   e. *Open Tabular Data Template Usage Report Page (ArcReporting)*
2. Items corresponding to each new ArcReporting report page were added to the **Reports** menu section on the ***Reporting Workspace*** tab.
   a. *Financial Statement Template Usage Report*
   b. *Portfolio Statement Template Usage Report*
   c. *Tabular Data Template Usage Report*
3. Items corresponding to each new ArcFiling report page were added to the **Reports** menu section on the ***Filings Workspace*** tab.
   a. *Portfolio Statement Template Usage Report*
   b. *Tabular Data Template Usage Report*

4. A **Portfolio Statement Template Usage Report** page was added to both ArcFiling and ArcReporting.
    a. A ***Search Criteria*** pane is displayed in the top portion of the page.
        i. Appropriate selections for the various criteria are pre-populated when this page is launched via links in other pages of FundSuiteArc.
        ii. A ***Complex*** drop-down list is displayed at upper-left of the pane (selection required).
        iii. An ***Account Period*** drop-down list is displayed beneath the ***Complex*** drop-down list (selection required).
        iv. A ***Portfolio Statement Template*** drop-down list is displayed at upper-right of the pane.
    b. A results grid is displayed in the bottom portion of the page.
        i. When the ***Search*** button at lower-right of the ***Search Criteria*** pane is clicked, the grid displays all projects where portfolio statement templates meeting the specified criteria are included.
        ii. The grid results are grouped by ***Portfolio Statement Template*** by default.
        iii. Users may group, sort, filter and order data in the results grid using standard grid functionality, if desired.
        iv. Columns displayed in the grid are as follows, from left-to-right:
            A. ***Account Period***
                1. Displays the account period of the project (the account period specified in the ***Search Criteria*** pane at the time the report was generated).
            B. ***Complex***
                1. Displays the complex associated with the fund of the project (the complex specified in the ***Search Criteria*** pane at the time the report was generated).
            C. ***Fund Group***
                1. Displays the fund group associated with the fund of the project.

D. ***Fund***

1. Displays the fund of the project.

   a. If multiple funds are associated with a given project, one row is displayed in the grid for each fund/project.

E. ***Portfolio Statement Template***

1. Displays the portfolio statement template included in the project.

F. ***Template Type***

1. Displays the type (*i.e.*, *Categories*, *Condensed*, *Full* or *Standalone*) of the portfolio statement template included in the project.

G. ***Description***

1. Displays the description of the portfolio statement template included in the project.

H. ***Output Style Type***

1. Displays the output style type of the portfolio statement template included in the project.

I. ***Project***

1. Displays the name of the project.

c. The user can export report results to a specified file format via the ***Export data*** button at lower-right of the page.

5. A **Financial Statement Template Usage Report** page was added to ArcReporting.

   a. A ***Search Criteria*** pane is displayed in the top portion of the page.

      i. Appropriate selections for the various criteria are pre-populated when this page is launched via links in other pages of FundSuiteArc.

      ii. A ***Complex*** drop-down list is displayed at upper-left of the pane (selection required).

      iii. An ***Account Period*** drop-down list is displayed beneath the ***Complex*** drop-down list (selection required).

iv. A ***Financial Workbook Template*** drop-down list is displayed at upper-right of the pane (selection required).

v. A ***Financial Statement Template*** drop-down list is displayed beneath the ***Complex*** drop-down list.

b. A results grid is displayed in the bottom portion of the page.

i. When the ***Search*** button at lower-right of the ***Search Criteria*** pane is clicked, the grid displays all projects where financial statement templates meeting the specified criteria are included.

ii. The grid results are grouped by ***Financial Statement Template*** by default.

iii. Users may group, sort, filter and order data in the results grid using standard grid functionality, if desired.

iv. Columns displayed in the grid are as follows, from left-to-right:

A. ***Account Period***

1. Displays the account period of the project (the account period specified in the ***Search Criteria*** pane at the time the report was generated).

B. ***Complex***

1. Displays the complex associated with the fund of the project (the complex specified in the ***Search Criteria*** pane at the time the report was generated).

C. ***Fund Group***

1. Displays the fund group associated with the fund of the project.

D. ***Fund***

1. Displays the fund of the project.

a. If multiple funds are associated with a given project, one row is displayed in the grid for each fund/project.

E. ***Financial Workbook Template***

1. Displays the financial workbook template associated with the financial statement template included in the project.

F. ***Financial Statement Template***

1. Displays the financial statement template included in the project.

G. ***Description***

1. Displays the description of the financial statement template included in the project.

H. ***Orientation***

1. Displays the orientation (*i.e.*, *Standard* or *Pivoted*) of the financial statement template included in the project.

I. ***Level***

1. Displays the level (*i.e.*, *Class* or *Currency*) of the financial statement template included in the project.

J. ***Output Style Type***

1. Displays the output style type of the financial statement template included in the project.

K. ***Project***

1. Displays the name of the project.

c. The user can export report results to a specified file format via the ***Export data*** button at lower-right of the page.

6. A **Tabular Data Template Usage Report** page was added to both ArcFiling and ArcReporting.

a. A ***Search Criteria*** pane is displayed in the top portion of the page.

i. Appropriate selections for the various criteria are pre-populated when this page is launched via links in other pages of FundSuiteArc.

ii. A ***Complex*** drop-down list is displayed at upper-left of the pane (selection required).

iii. An ***Account Period*** drop-down list is displayed beneath the ***Complex*** drop-down list (selection required).

iv. A ***Tabular Data Template*** drop-down list is displayed at upper-right of the pane.

b. A results grid is displayed in the bottom portion of the page.

   i. When the ***Search*** button at lower-right of the ***Search Criteria*** pane is clicked, the grid displays all projects where tabular data templates meeting the specified criteria are included.

   ii. The grid results are grouped by ***Tabular Data Template*** by default.

   iii. Users may group, sort, filter and order data in the results grid using standard grid functionality, if desired.

   iv. Columns displayed in the grid are as follows, from left-to-right:

      A. ***Account Period***

         1. Displays the account period of the project (the account period specified in the ***Search Criteria*** pane at the time the report was generated).

      B. ***Complex***

         1. Displays the complex associated with the fund of the project (the complex specified in the ***Search Criteria*** pane at the time the report was generated).

      C. ***Fund Group***

         1. Displays the fund group associated with the fund of the project.

      D. ***Fund***

         1. Displays the fund of the project.

            a. If multiple funds are associated with a given project, one row is displayed in the grid for each fund/project.

      E. ***Tabular Data Template***

         1. Displays the tabular data template included in the project.

      F. ***Description***

         1. Displays the description of the tabular data template included in the project.

      G. ***Output Style Type***

         1. Displays the output style type of the tabular data template included in the project.

H. ***Project***

1. Displays the name of the project.

c. The user can export report results to a specified file format via the ***Export data*** button at lower-right of the page.

7. Hyperlinks to the new usage reports were added to several existing pages in FundSuiteArc, as detailed below. Certain ***Search Criteria*** fields in the respective usage reports will be pre-populated when opening the reports via a hyperlink, based on the page from which the user navigates.

   a. The Portfolio Statement Template Usage Report can be accessed via hyperlinks in the following locations:

      i. **Portfolio Statement Templates** page (ArcFiling and ArcReporting), ***Listing*** grid

      ii. **Project** page (ArcFiling and ArcReporting), upper-right of ***Components*** tab (when a portfolio statement is selected in the tree view)

   b. The Financial Statement Template Usage Report can be accessed via hyperlinks in the following locations:

      i. **Financial Workbook** page, upper-right of ***Financials*** tab

      ii. **Financial Workbook Templates** page, ***Listing*** grid

      iii. **Project** page (ArcReporting only), upper-right of ***Components*** tab (when a financial statement is selected in the tree view)

   c. The Tabular Data Template Usage Report can be accessed via hyperlinks in the following locations:

      i. **Project** page (ArcFiling and ArcReporting), upper-right of ***Components*** tab (when a tabular data item is selected in the tree view)

      ii. **Tabular Data Templates** page (ArcFiling and ArcReporting), ***Listing*** grid

**Additional Information**

The following functionality is out of scope at this time and has not been included as a part of the enhancements detailed above:

- Statements that are embedded in footnotes/text snippets are not currently available as a part of the usage reporting suite.

- Financial, portfolio, and tabular data items embedded in a portfolio statement template are not currently available as a part of the usage reporting suite.

### Process Changes

No changes to current processes are required.

Demonstration video

# 10. Ability to apply details and suppression settings across "All Funds - Repeat" chapters/sections

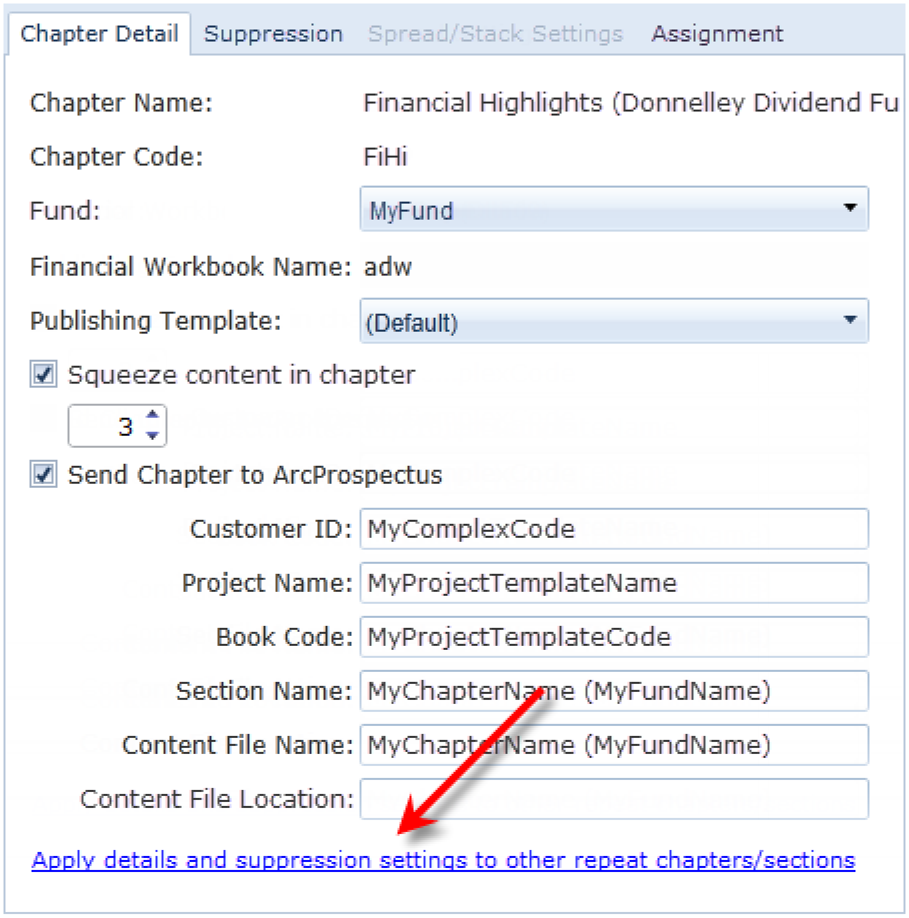
*RRD ID: 52640*

## Overview

Users can now copy the underlying details and suppression settings of chapters or sections with a behavior setting of *All Funds - Repeat* to specified repeated chapters/sections in a given project template.

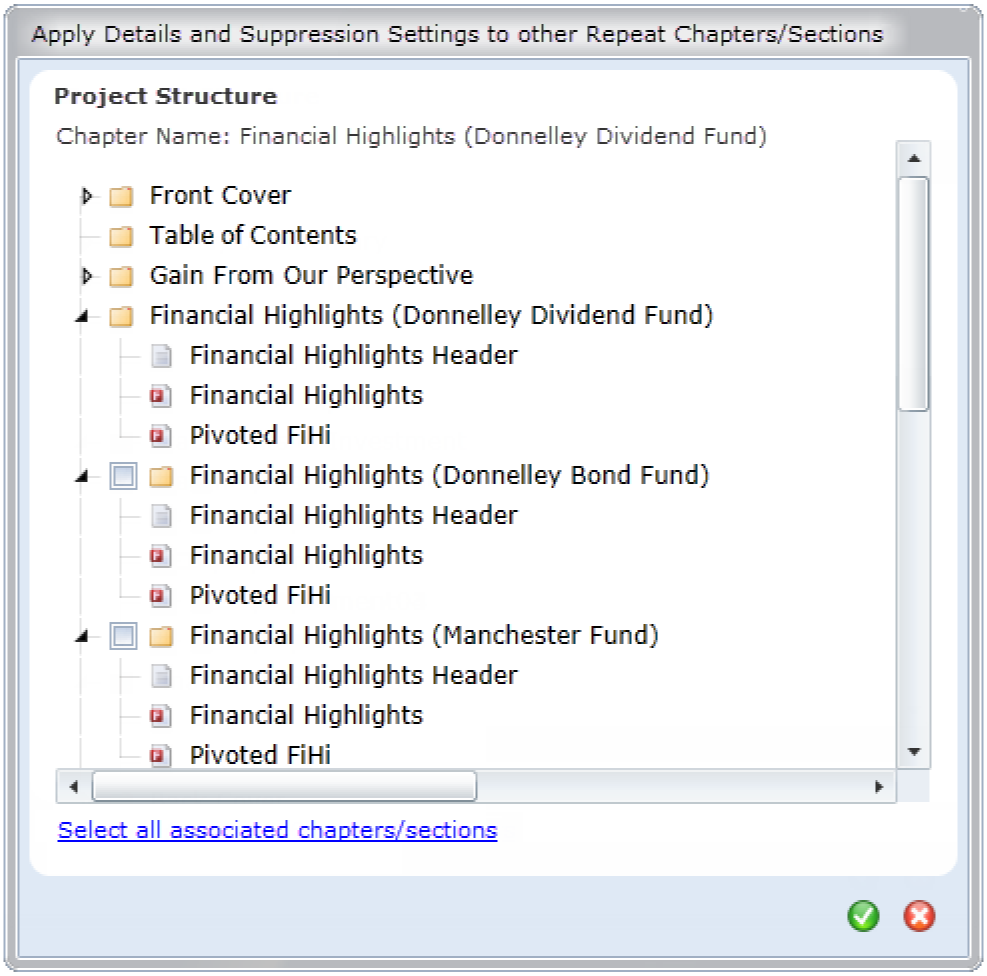
## What's New

A new ***Apply details and suppression settings to other repeat chapters/sections*** hyperlink was added to the ***Chapter Detail*** and ***Section Detail*** sub-tabs under the ***Contents*** tab of the **Project Templates** page.




1. The hyperlink is enabled for chapters or sections that have a document structure template behavior setting of *All Funds - Repeat*.

2. Clicking the hyperlink displays an **Apply Details and Settings to other Repeat Chapters/Sections** pop-up dialogue.




a. The dialogue displays the project structure tree view of the selected chapter or section and the associated, repeated chapters/sections.

b. Each repeated chapter/section displays a selectable check box.

   i. The user may select one or more of the chapter/section check boxes.

c. Clicking the ***Accept*** button ( ) at lower-right of the dialogue will close the dialogue and apply all of the definable Item details and suppression settings of each item within the originally-selected chapter/section to those chapters/sections selected within the **Apply Details and Settings to other Repeat Chapters/Sections** dialogue.

   i. When a chapter is selected that contains one or more sections, the definable section details and suppression settings of the section(s) within the originally-selected chapter are applied to those sections for which the check boxes were selected.

   ii. Copied details include the following:

      A. ***Advanced Suppression*** option setting and associated conditional formula

      B. ***Publishing Template*** selection

      C. ***Page break before section*** setting

## Process Changes

No changes to current processes are required.

Demonstration video

# 11. Ability to assign project template fund(s) during template copy

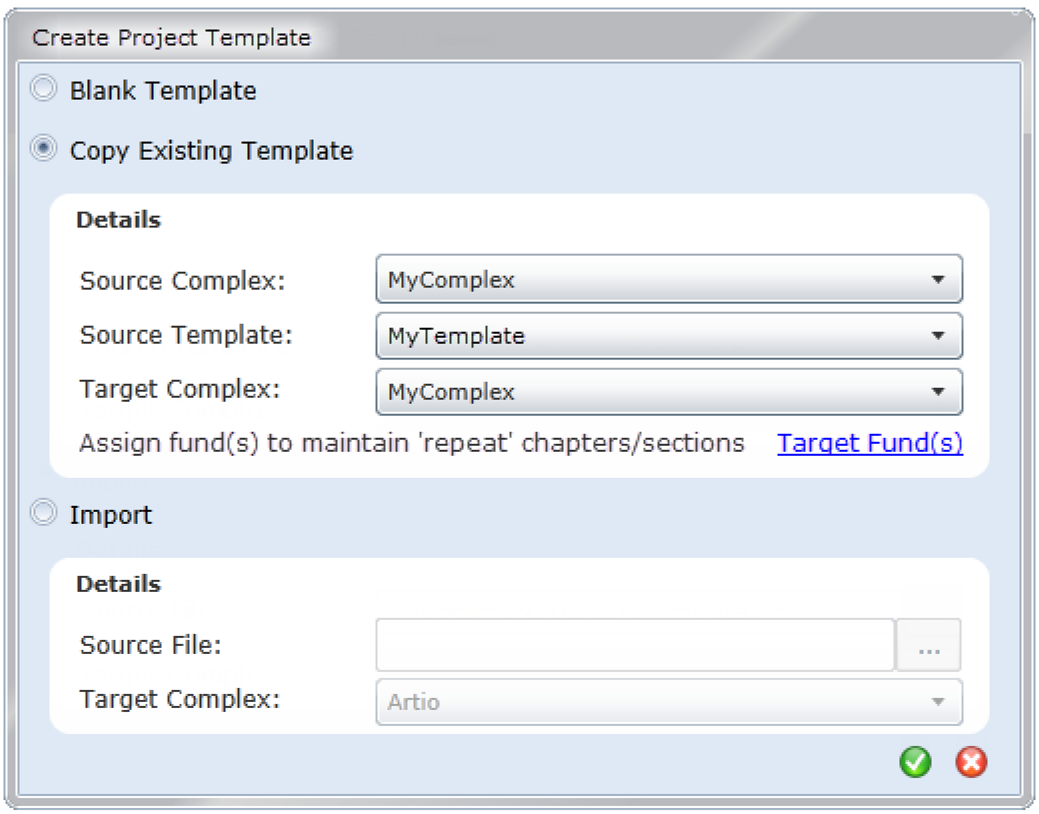
*RRD ID: 52641*

## Overview

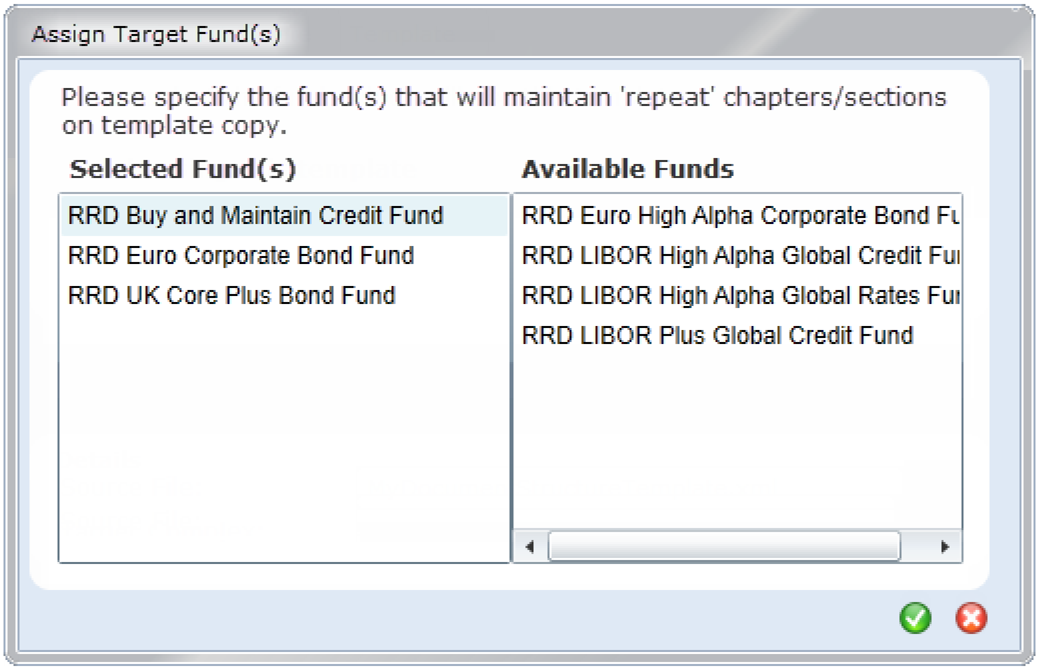
When copying a project template, users are now able to assign fund(s) that will maintain chapter, section, item details and suppression settings.

## What's New

An ***Assign fund(s) to maintain 'repeat' chapter/sections*** label and associated ***Target Fund(s)*** hyperlink were added to the ***Copy Existing Template*** section of the existing **Copy Project Template** dialogue (invoked via the ***Add*** button on the **Project Templates** page).



1. Clicking the ***Target Fund(s)*** hyperlink displays an **Assign Target Fund(s)** pop-up dialogue.




   a. An ***Available Funds*** list box at right of the dialogue displays all funds assigned to the financial workbook(s) of the specified ***Source Template*** that have the same fiscal year end month specified in on the ***Reporting*** tab.

   b. The user drags-and-drops one or more funds from the ***Available Funds*** list box to the to ***Selected Fund(s)*** to specify the fund(s) that will maintain "repeat" chapters/sections as part of the pending project template copy operation.

   c. Clicking the ***Accept*** button () at lower-right of the **Assign Target Fund(s)** dialogue saves the specified ***Selected Fund(s)*** and returns the user to the **Create Project Template** dialogue.

2. Clicking the ***Accept*** button () at lower-right of the **Create Project Template** dialogue initiates the template copy operation, with the following updates to previous project template copy functionality:

   a. Chapters and sections with a ***Behavior*** setting of *All Funds - Repeat* or *All Funds - Single* are maintained and displayed for each of the specified ***Target Fund(s)***.

   b. For all items within all chapters and sections, the ***Item Detail*** settings are maintained.

   c. For all items within all chapters and sections, the ***Suppression*** settings are maintained.

d. The chapter/section/item details and suppression settings applied to those chapters/sections with a ***Behavior*** setting of *All Funds - Repeat* or *All Funds - Single* match the chapter/section/item details of the first chapter/section fund instance of the specified ***Source Template***.

**Example:**
A given project template contains a *Schedule of Investments* chapter that is set to *All Funds - Repeat* and displays five repeat chapters. Upon copy of the project template with 10 funds specified as ***Target Fund(s)***, all 10 *Schedule of Investments* chapters will display the item details of the first *Schedule of Investments* fund chapter from the source project template.

## Process Changes

No changes to current processes are required.

Demonstration video

# 12. Enhanced caption and "new security" logic for Holdings load

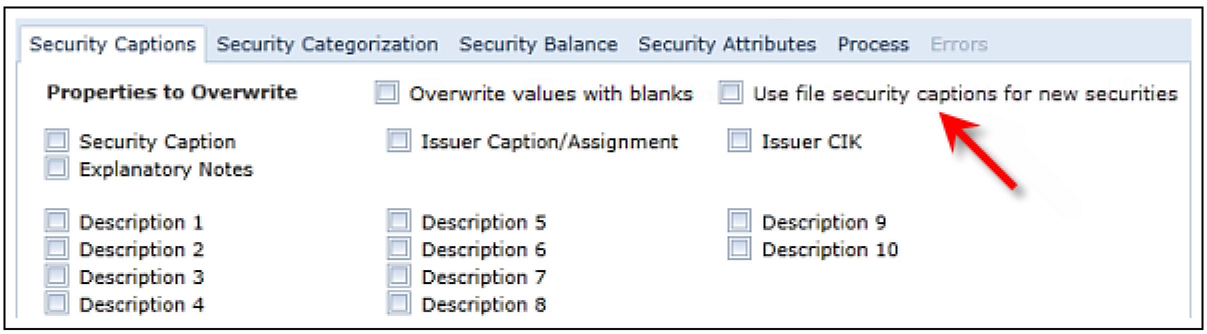
*RRD ID: 52644*

## Overview

The Holdings data import/dataload were modified to allow users use the security captions within the data source file for new securities. In previous versions of FundSuiteArc, the caption for new securities would come from the Security/Investment Master library within the database, rather than from the data source file.

## What's New

A ***Use file security captions for new securities*** check box was added at right of the existing ***Overwrite values with blanks*** check box on the ***Security Captions*** tab of both the **Holdings Load Profiles** page and the **Holdings Import** dialogue.




1. The check box is cleared by default.
2. The check box is disabled when the ***Security Caption*** overwrite check box is selected.
3. If a security is new to the specific security library and the check box is selected, the value of the ***Security Caption*** field in the data source file will be used to populate the database field; the value from the Security/Investment Master library will not be used.
    a. If the ***Security Caption*** field is blank or the column is missing in the data source file and the security is not new to the Security/Investment Master library, the database field will be populated with the value *[No Caption Loaded]*.

b. If the ***Security Caption*** field is blank or the column is missing in the data source file and the security is new to the Security/Investment Master library, the record will be skipped and not loaded.

> **Note:**
> The data import will behave as detailed in the workflow diagrams provided in the ***Appendix A: Holdings Import Security Caption Overwrite Logic*** section of this document (starting on page 85).

**Additional Information**

As indicated in the detail above, if the ***Security Caption*** field is set to overwrite, the ***Use file security captions for new securities*** check box will be disabled. This is because both check boxes will perform the same function. The ***Use file security captions for new securities*** functionality will only be activated during data imports in which users are not attempting to overwrite existing securities captions.

## Process Changes

No changes to current processes are required.

Demonstration video

# 13. Ability to see complex/library name when editing text snippets in "maximized" view

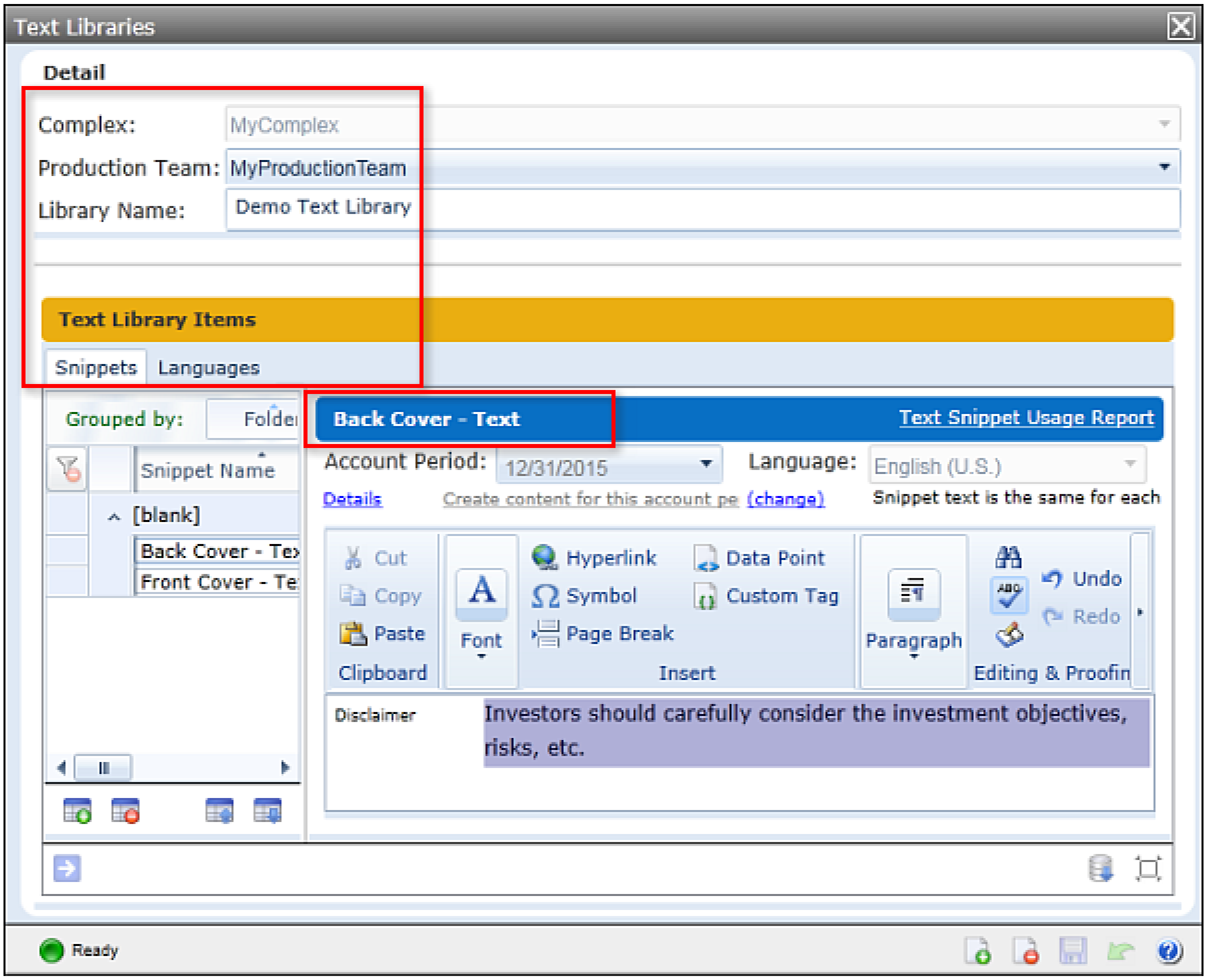
*RRD ID: 52646*

## Overview

Users can now toggle between text snippets when in a "maximized" view on the **Text Libraries** page. They will also be able to see the complex and library associated with the snippet they are currently editing.

## What's New

Existing ***Maximize view*** button functionality on the **Text Libraries** page was updated to show the following page elements:




1. Snippet name (in blue header above text editor controls)
2. ***Snippets*** and ***Languages*** tabs
3. ***Complex*** drop-down list
4. ***Production Team*** drop-down list
5. ***Library Name*** text box

## Additional Information

The scope of this enhancement was not intended to include the following application pages:

- Footnote Libraries - General Ledger
- Footnote Libraries - Holdings

### Process Changes

No changes to current processes are required.

Demonstration video

# 14. Improved update/display behavior of custom literal captions

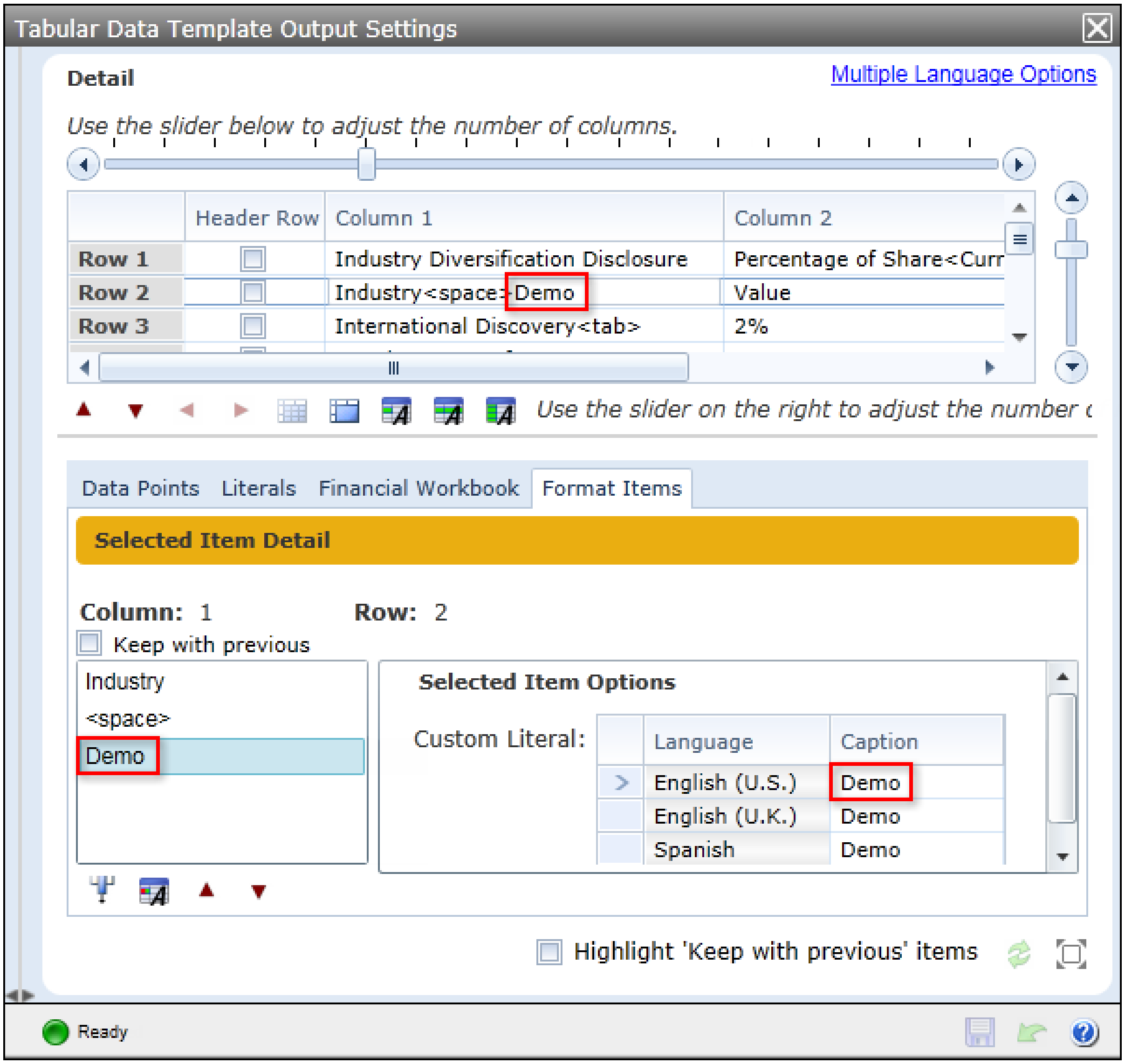
*RRD ID: 52647*

## Overview

Enhancements were made to **Tabular Data Template Output Settings** page so that when a user creates a custom literal (*e.g.*, *Fund*), and then drags it to the mapping grid, the ***Caption*** value of each language listed on the ***Format Items*** tab is set to match the specified custom literal text. Once the user has created the literal, any change to the ***Caption*** value for the default language will now automatically be reflected in the mapping grid.

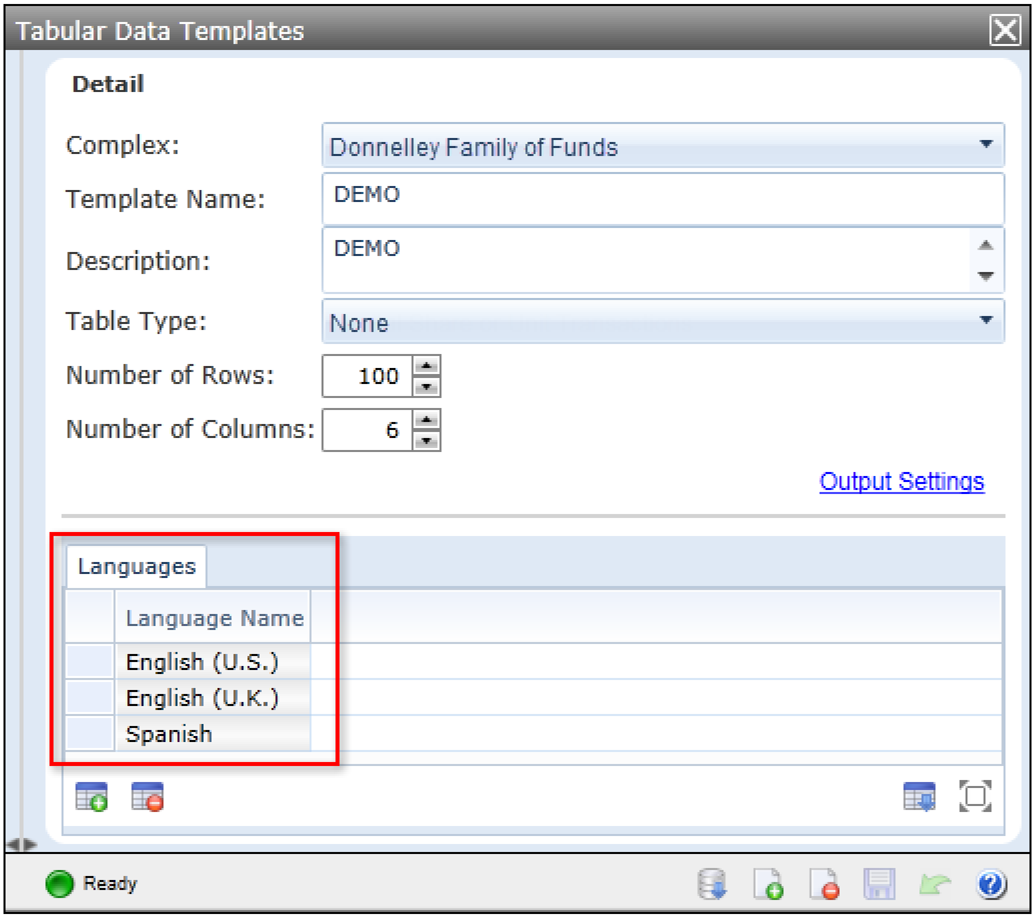
## What's New

1. The ***Caption*** value for each language listed on the ***Format Items*** tab of the **Tabular Data Template Output Settings** page will now automatically be populated with the text specified for a new custom literal at the time it is added to the mapping grid.




a. If the ***Default Language*** for the tabular data template's associated complex (as specified via the **Funds** page) is represented by a row in the grid at right of the ***Format Items*** tab, and the ***Caption*** value for that language is changed by the user, clicking the ***Save*** button at lower-right of the page causes the value displayed in the mapping grid to be updated to reflect the new value. If the ***Caption*** value for any other language is changed by the user, the mapping grid value is not updated upon click of the ***Save*** button.

b. The order of the languages in the grid reflects the order specified on the ***Languages*** tab of the **Tabular Data Templates** page for the current template.




i. This order is established based on the sequence in which the languages were added to the grid on the ***Languages*** tab. In previous versions of FundSuiteArc, the languages were ordered by ***Default Language*** in the first position, followed by all other languages in ascending order by language name.

2. The value displayed in the mapping grid of the **Tabular Data Template Output Settings** page for an existing custom literal will now be updated automatically with that of the default language's ***Caption*** value, when that value is changed and saved.

## Process Changes

Users are no longer required to update the ***Caption*** value on the ***Format Items*** tab subsequent to creating new custom literals in the output settings for tabular data templates.

Demonstration video

# 15. Augmented functionality and consistency for "Conditional Value" data points in text/footnote libraries

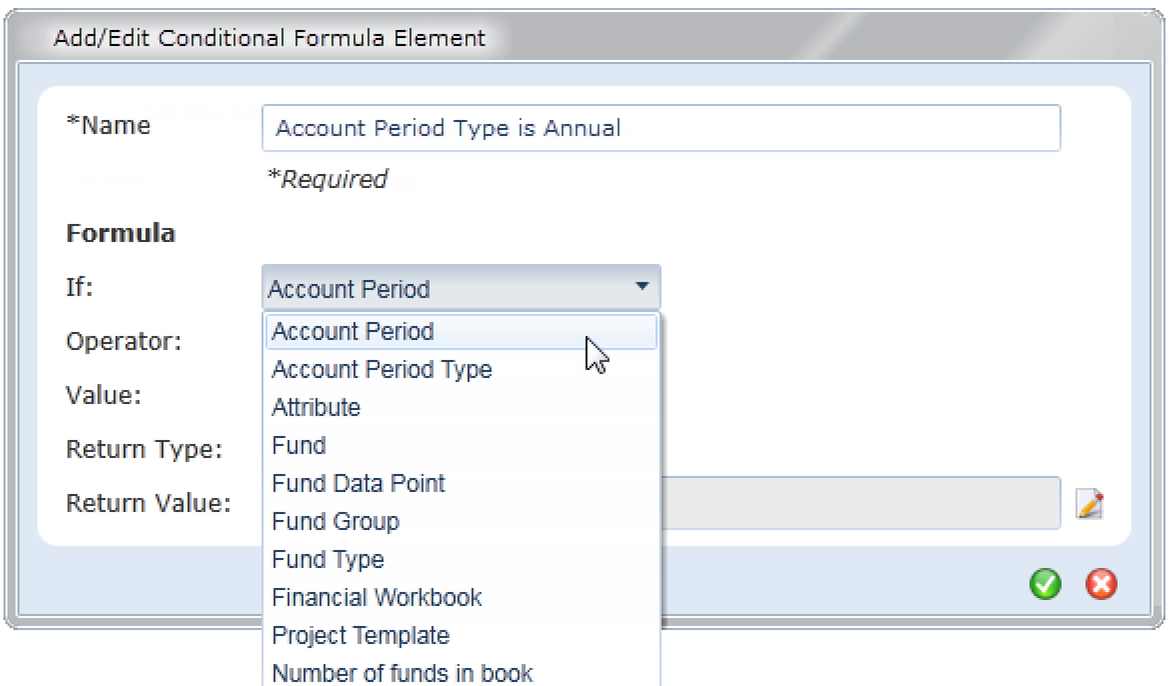
*RRD ID: 52648*

### Overview

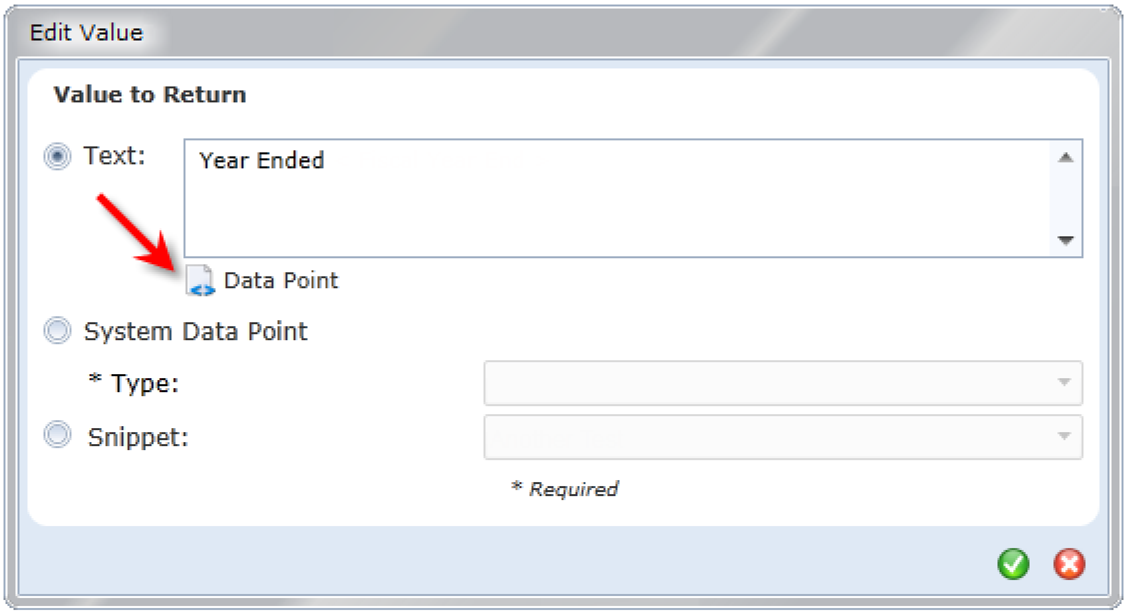
When adding a data point of type *Conditional Value* via the **Text Libraries**, **Footnote Libraries - General Ledger** or **Footnote Libraries - Holdings** pages, the **Insert Data Point** pop-up dialogue and associated functionality now match the existing conditional value functionality of the **Custom Data Points** page.

### What's New

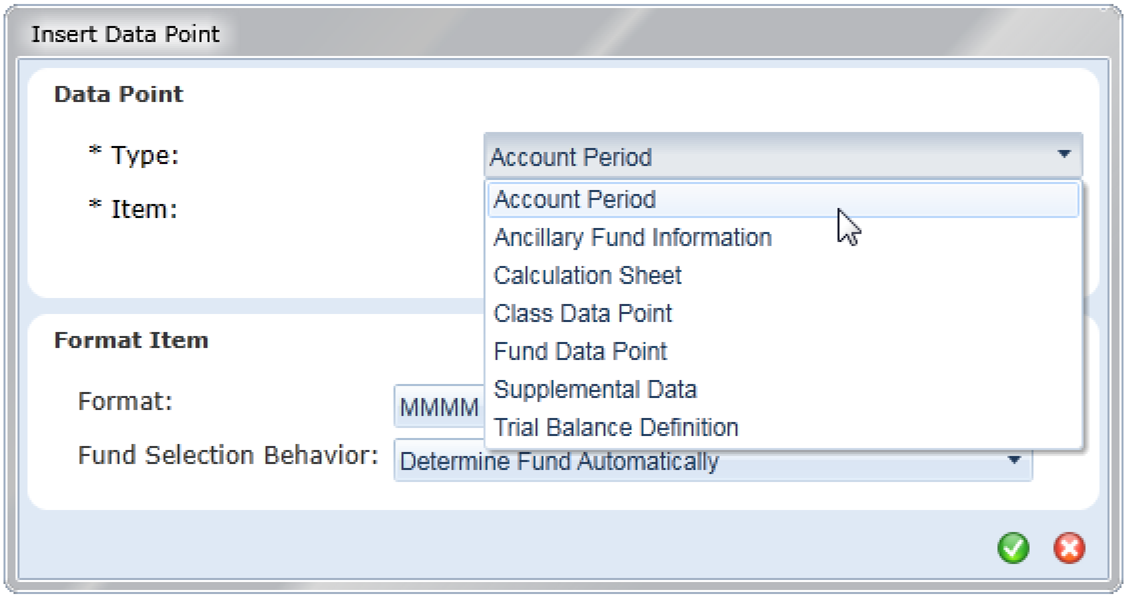
1. Options for *Account Period* and *Project Template* were added to the ***If*** drop-down list on the **Add/Edit Conditional Formula Element** dialogue, when adding/editing data points of type *Conditional Value* via the **Text Libraries**, **Footnote Libraries - General Ledger** or **Footnote Libraries - Holdings** pages.



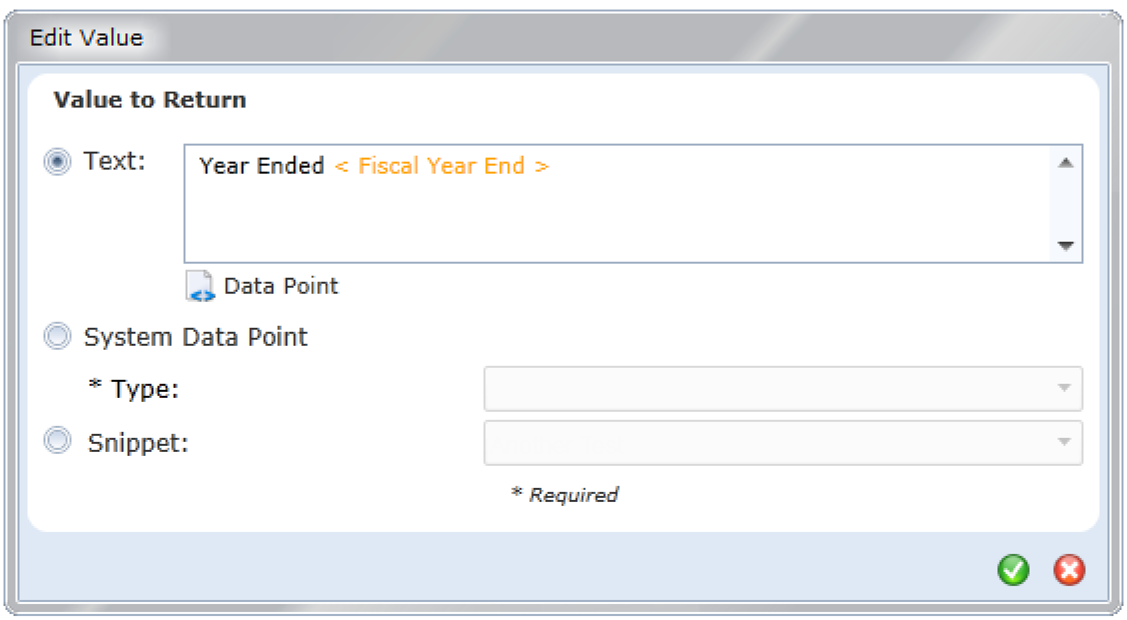
2. When defining the ***Value to Return*** for both the formula element and the ***Return Value if no conditions are met*** settings of a data point of type *Conditional Value* via the **Edit Value** dialogue, users now have an option to include data points within the return value text string.




   a. Clicking the ***Data Point*** button ( ) beneath the ***Text*** option button text box will display the **Insert Data Point** pop-up dialogue.




Selecting a data point type from the ***Type*** drop-down list on the dialogue displays all options associated with the specified type, and clicking the ***Accept*** button () at lower-right of the dialogue inserts the data point in the text box at the cursor location.



### Additional Information

- All conditional data points included in a given text/footnote snippet will be shared. This means that for a snippet that is rolled forward, pushed to another period or copied/pasted, the conditional data point(s) contained therein will synchronize with the original parent snippet, and any changes to the data point(s) will be replicated across both.
- In version 2.3.0, an enhancement was made to break conditional data point links within ArcReporting only. All data points that are copied with ArcFiling will remain linked to each other; users must create new conditional values if they do not wish the data points to be synchronized.

## Process Changes

No changes to current processes are required.

Demonstration video

# 16. Display of impacted projects/funds in Text Snippet Audit Report

*RRD ID: 52655*

### Overview

Users can now see what funds/projects have been impacted by changes to text snippet content with addition of two corresponding columns to the **Text Snippet Audit Report** page.

### What's New

1. A ***Project*** column was added to the results grid on the **Text Snippet Audit Report** page.
    a. Displays the name of the project to which the snippet is attached for the specified account period and language.
        i. One row displays per project to which the snippet is attached for the account period.
        ii. If the ***Language*** selection is *[All]*, a separate row displays for each language.
2. A ***Fund(s)*** column was added to the results grid on the **Text Snippet Audit Report** page.
    a. Displays a comma-delimited list of fund names and associated codes that are attached to the projects in *<fund name><space>(<fund code>)* format (*e.g.*, *Fund01 (FC01), Fund02 (FC02), Fund03 (FC03)*).

### Process Changes

No changes to current processes are required.

Demonstration video

# 17. Ability to identify statement/tabular data template items using "Keep with previous" setting

*RRD ID: 52656*

## Overview

Users can now easily identify output settings rows for financial statement, portfolio statement and tabular data templates for which the ***Keep with previous*** setting has been applied.

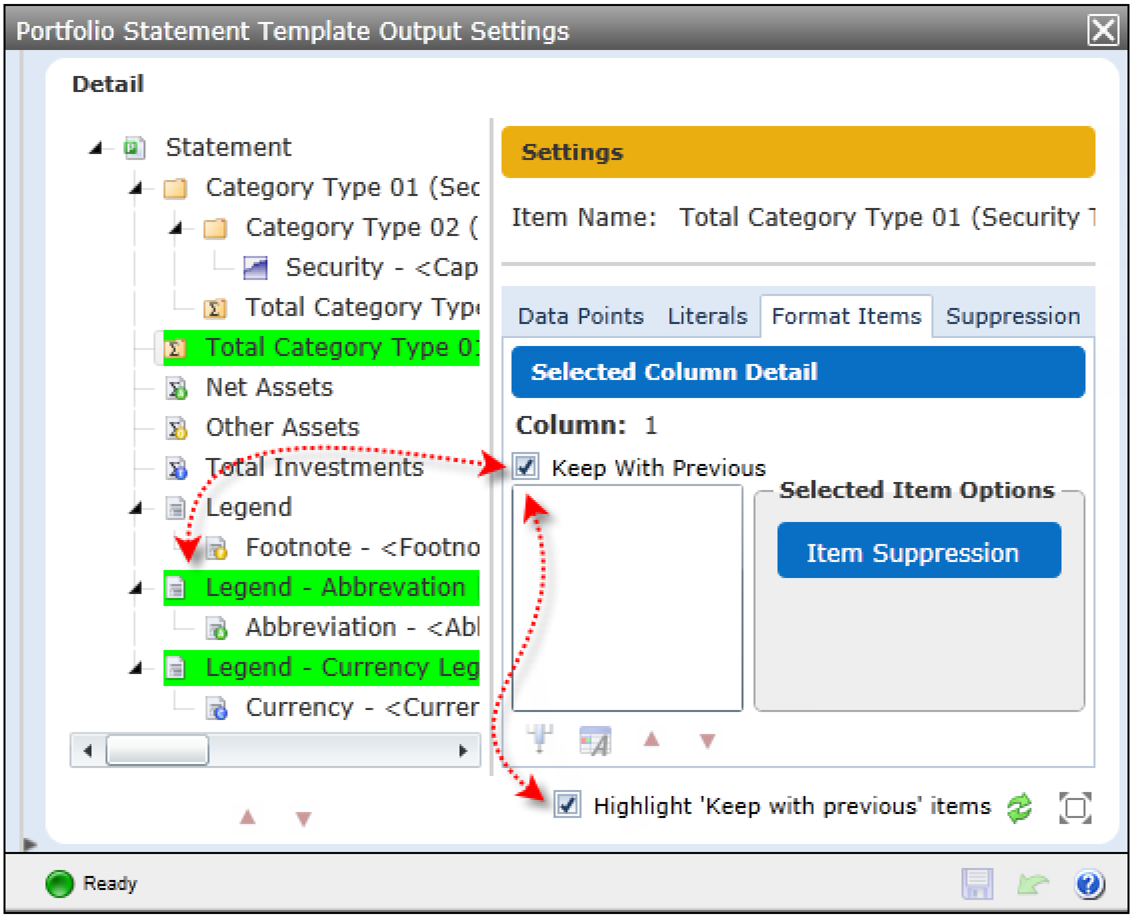
## What's New

A ***Highlight 'Keep with previous' items*** check box option was added at lower-right of the ***Detail*** group box on the **Portfolio Statement Template Output Settings**, **Financial Statement Template Output Settings** and **Tabular Data Template Output Settings** pages.

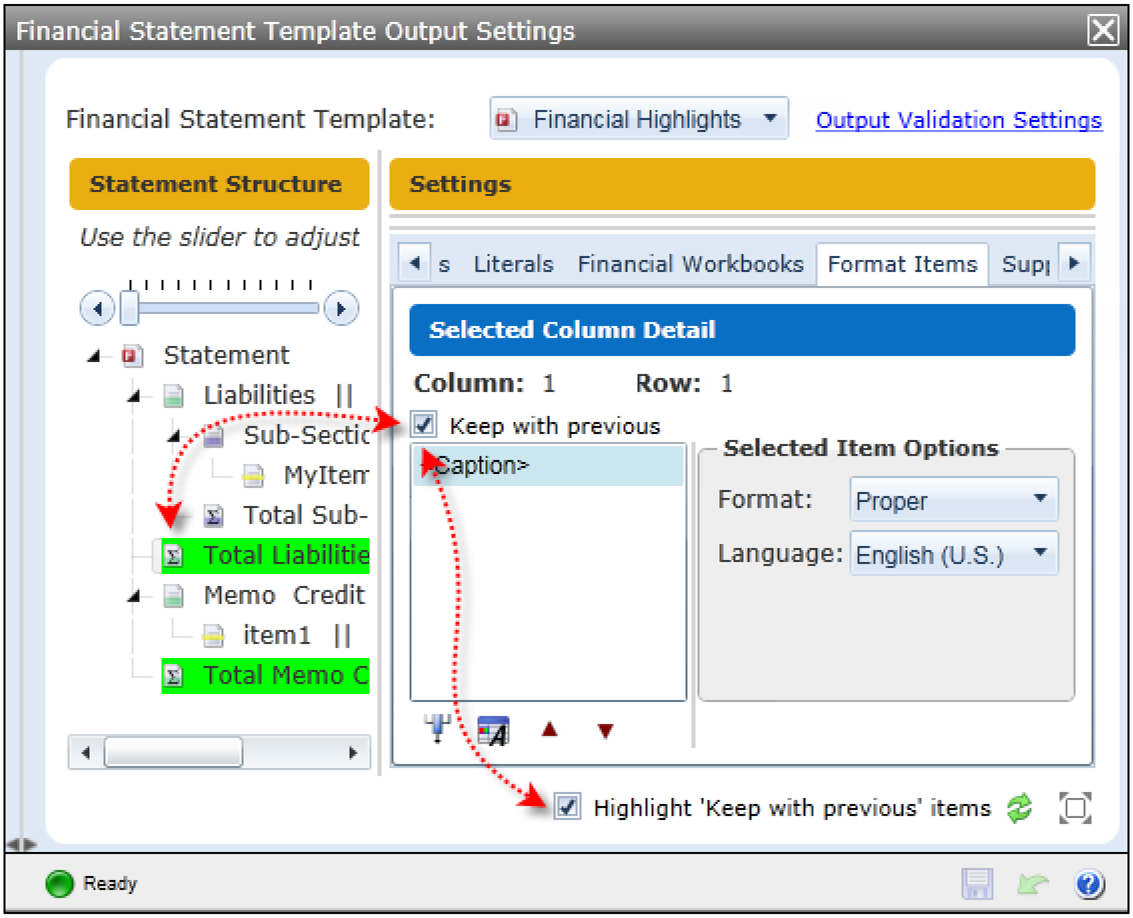
1. Selecting the check box will highlight in green all template items for which the ***Keep with previous*** option on the ***Format Items*** tab has been selected.

> **Note:**
> The default state of the ***Highlight 'Keep with previous' items*** check box is cleared. If the check box is selected, selecting an alternate template from the ***Listing*** grid will revert the check box state to cleared.

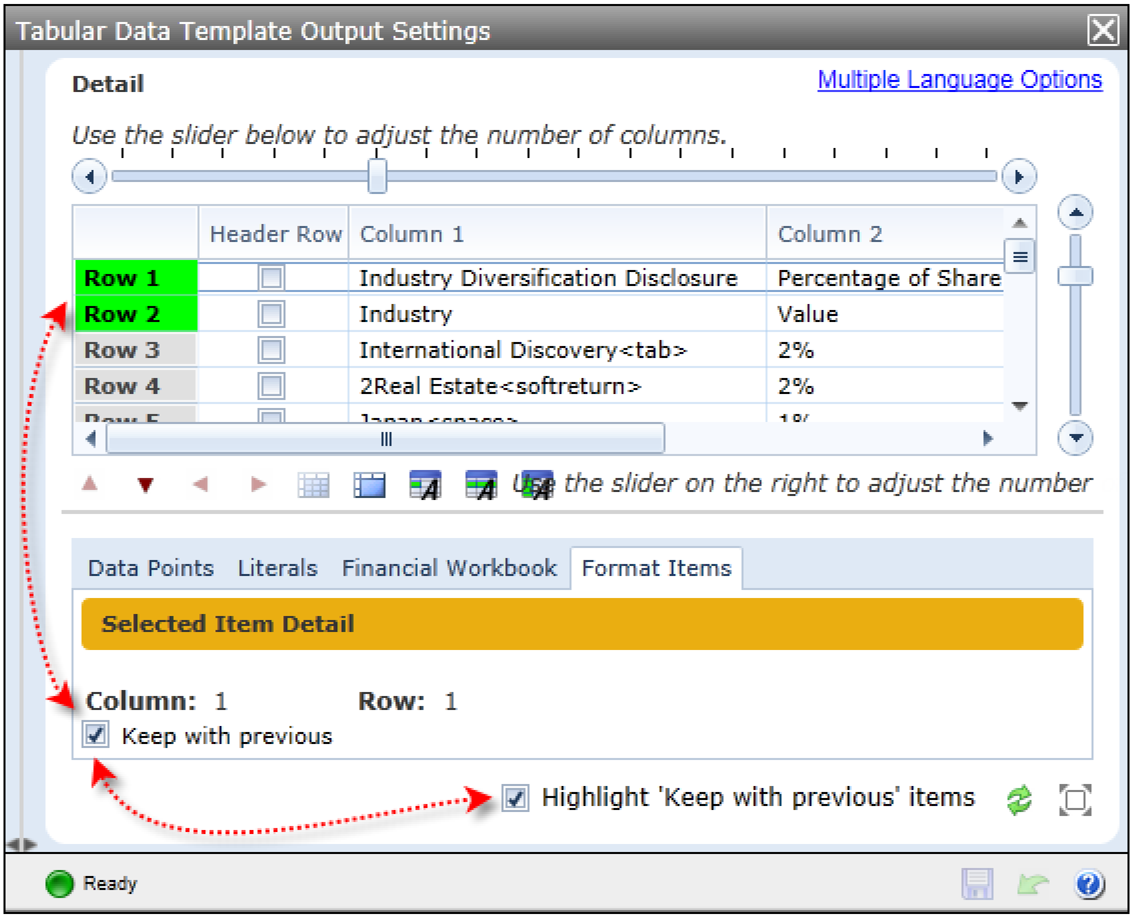
a. **Portfolio Statement Template Output Settings** page



b. **Financial Statement Template Output Settings** page



c. **Tabular Data Template Output Settings** page




## Process Changes

No changes to current processes are required.

Demonstration video

# 18. Ability to add fund-specific items "No Repeat" chapters/sections

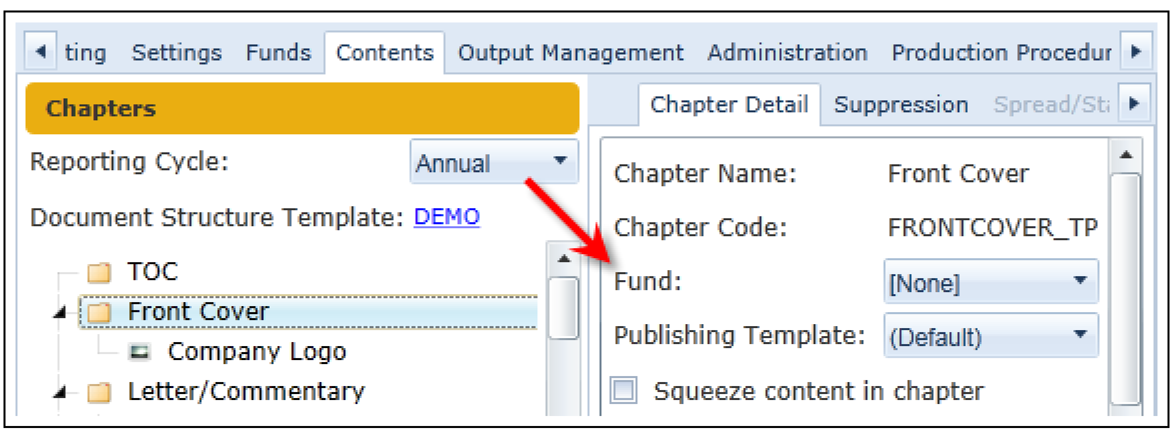
*RRD ID: 60904*

## Overview

Document structure templates were enhanced to allow users to add a financial and/or portfolio statement to a chapter or section with a ***Behavior*** setting of *No Repeat*. This new feature allows the user to set the fund that data points in text snippets will use to evaluate. In addition, this functionality allows users to build document structures without using the chapter or section repeat type of *All Funds - Repeat*. This will be of help in situations where chapters or sections do not repeat for every fund in the document or where fund-specific information may need to be shown within a chapter or section that does not repeat.

## What's New

1. When a user is setting up a chapter or section in a document structure template and they specify its ***Behavior*** as *No Repeat*, they can now add a financial and/or a portfolio statement to the chapter or section. The user can simply drag the statement from the ***Available Items*** tab and drop it in the chapter or section set to *No Repeat*.
2. A ***Fund*** drop-down list was added to the ***Chapter Detail*** and ***Section Detail*** sub-tabs of the ***Contents*** tab on the **Project Templates** page, for chapters/sections with a ***Behavior*** setting of *No Repeat*. The user can use the drop-down list to specify the fund they would like to use for the chapter/section.



a. The default selection is *[None]*.

b. All items in the chapter/section will use the specified fund to display corresponding values for the following:

   i. Tabular data

   ii. Financial statements

   iii. Portfolio statements

   iv. Data points

c. If the user does not specify a fund, the following will occur for tabular data, financial statements, portfolio statements and data points:

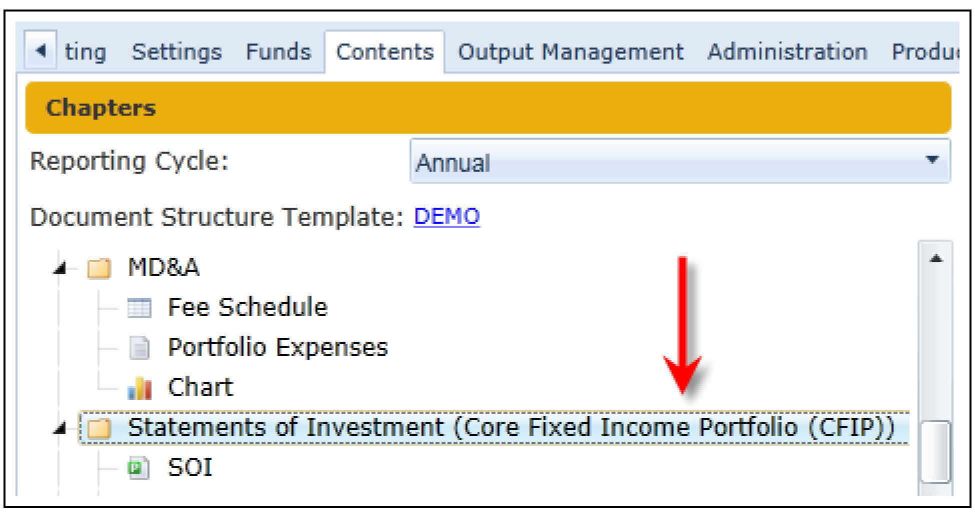
   i. The table or statement will not preview on the **Project** page.

   ii. Project output will still be generated, but the table or statement will be skipped.

   iii. Data points that require a fund will return as *<undefined>*.

d. If a given chapter contains a section and both are set to *No Repeat* but have different funds assigned, the fund assigned at the section level will supercede the fund assigned at the chapter level.

3. The tree view on the ***Contents*** tab of the **Project Templates** page now displays the fund name and fund code in parentheses for any chapter or section with a ***Behavior*** setting of *No Repeat* for which a fund has been specified via the ***Chapter Detail*** or ***Section Detail*** sub-tab, respectively.



4. The tree view on the ***Contents*** tab of the **Project Templates** page now displays the fund name and fund code in parentheses for any chapter or section with a ***Behavior*** setting of *All Funds - Repeat*.

5. The ***Spread/Stack Settings*** sub-tab of the ***Contents*** tab on the **Project Templates** page was enabled for chapters or sections with a ***Behavior*** setting of *No Repeat*.

    a. The ***Class*** and ***Stack*** option buttons are selected by default for chapters/sections with this behavior; the ***Fund*** and ***Spread*** option buttons are disabled and cannot be selected by a user.

6. The existing Project Template Audit Report now includes *Fund* as a possible value for the ***Sub Type*** column in output, for rows with an ***Item Type*** of *Chapter Detail* or *Section Detail*.

7. The ***Project Content*** tree view on the **Project** page now displays the fund name and fund code in parentheses for any chapter or section with a ***Behavior*** setting of *No Repeat* for which a fund has been specified via the ***Chapter Detail*** or ***Section Detail*** sub-tab of the **Project Templates** page.

8. The existing ***Fund Name*** label and associated value on the ***Components*** tab of the **Project** page now display for any chapter or section with a ***Behavior*** setting of *No Repeat*.

9. The existing ***Fund Name*** label and associated value on the ***Administration*** tab of the **Project** page now display for any chapter or section with a ***Behavior*** setting of *No Repeat*.

## Process Changes

No changes to current processes are required.

Demonstration video

# 19. Improved processing of default style sheet publishing template settings

*RRD ID: 63840*

## Overview

Updates to document processing logic were made to ensure that when a ***Publishing Template*** selection of *(Default)* is specified for a given chapter or section via the ***Chapter Detail*** or ***Section Detail*** sub-tab of the **Project Templates** page, the publishing template name passed to the rendering engine is that of the template designated as the ***Default*** via the **Style Sheets** page.

## What's New

When a given publishing template is designated as the ***Default*** via the **Style Sheets** page, the name of that template will now be reflected as the value of the *pubtemplate* attribute of any ***chapter*** or ***section*** RenderML element for which *(Default)* is the specified ***Publishing Template*** selection.

**Note:**

- If none of the publishing templates associated with a given style sheet are designated as the ***Default*** and a project template chapter or section specifies a ***Publishing Template*** of *(Default)*, the RenderML *pubtemplate* attribute value will be *default*.

  **Note:**
  This would be considered a setup issue, and would result in incorrect output. The user (RR Donnelley XPP team or Implementation team) would need to specify a ***Default*** publishing template for the associated style sheet via the ***Publishing Templates*** tab of the **Style Sheets** page.

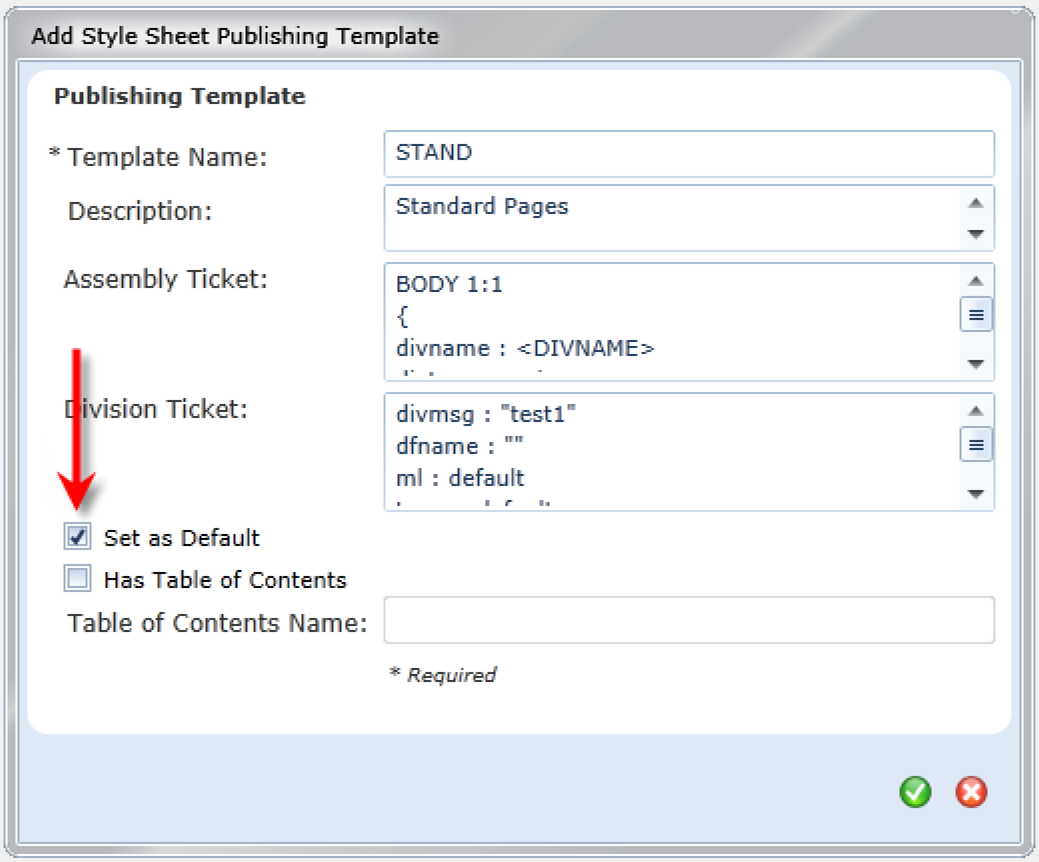
- If multiple publishing templates associated with a given style sheet are designated as the ***Default*** and a project template chapter or section specifies a ***Publishing Template*** of *(Default)*, the RenderML *pubtemplate* attribute value will be the name of the first template listed in the grid of the ***Publishing Templates*** tab of the **Style Sheets** page.

  **Note:**
  This would be considered a setup issue, and would result in incorrect output. The user (RR Donnelley XPP

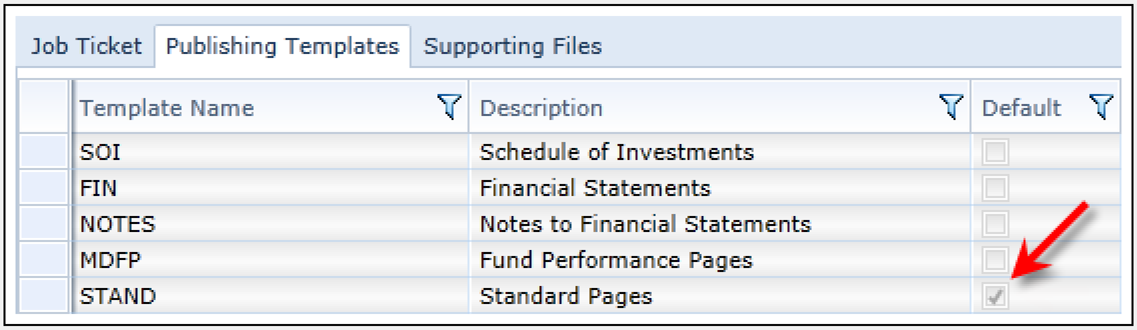
team or Implementation team) would need to ensure that only one ***Default*** publishing template is designated for the associated style sheet via the ***Publishing Templates*** tab of the **Style Sheets** page.

**Example:**

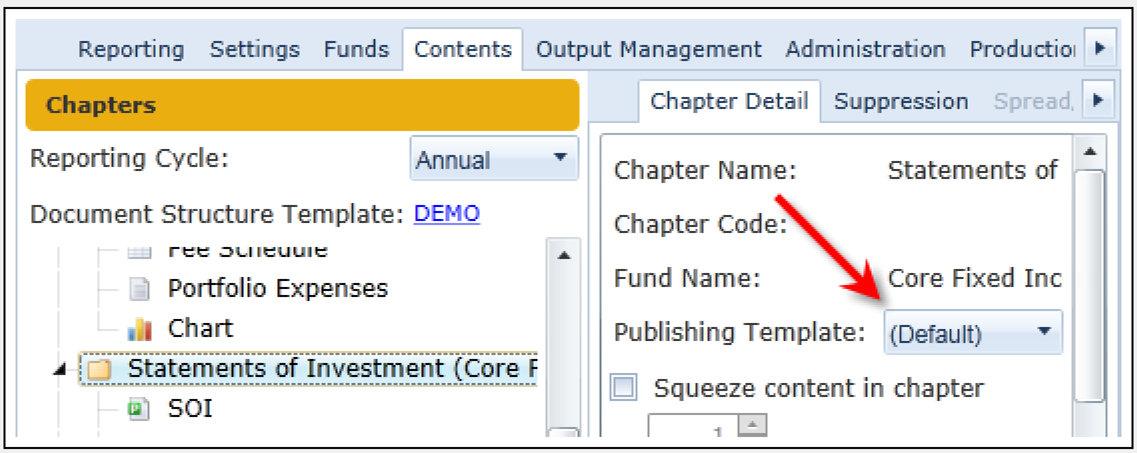
1. The user selects a publishing template from the grid on the ***Publishing Templates*** tab of the **Style Sheets** page, clicks the ***Edit selected record*** button, selects the ***Set as Default*** check box on the **Edit Style Sheet Publishing Template** dialogue, then clicks the ***Accept*** button to close the dialogue.



The template is flagged as the ***Default*** in the ***Publishing Templates*** grid.




2. The user selects a chapter or section in the tree view of the ***Contents*** tab on the **Project Templates** page, then specifies the *(Default)* selection for the ***Publishing Template*** drop-down list on the ***Chapter Detail*** or ***Section Detail*** sub-tab.




3. Upon successful publishing of a project or chapter, the resulting RenderML code will identify all chapters and sections referencing the *(Default)* publishing template by the appropriate publishing template name, as designated by the ***Default*** setting from the **Style Sheets** library page.

## Process Changes

No changes to current processes are required.

Demonstration video

# 20. Enhanced management of project- and chapter-level published output

*RRD ID: 63900*

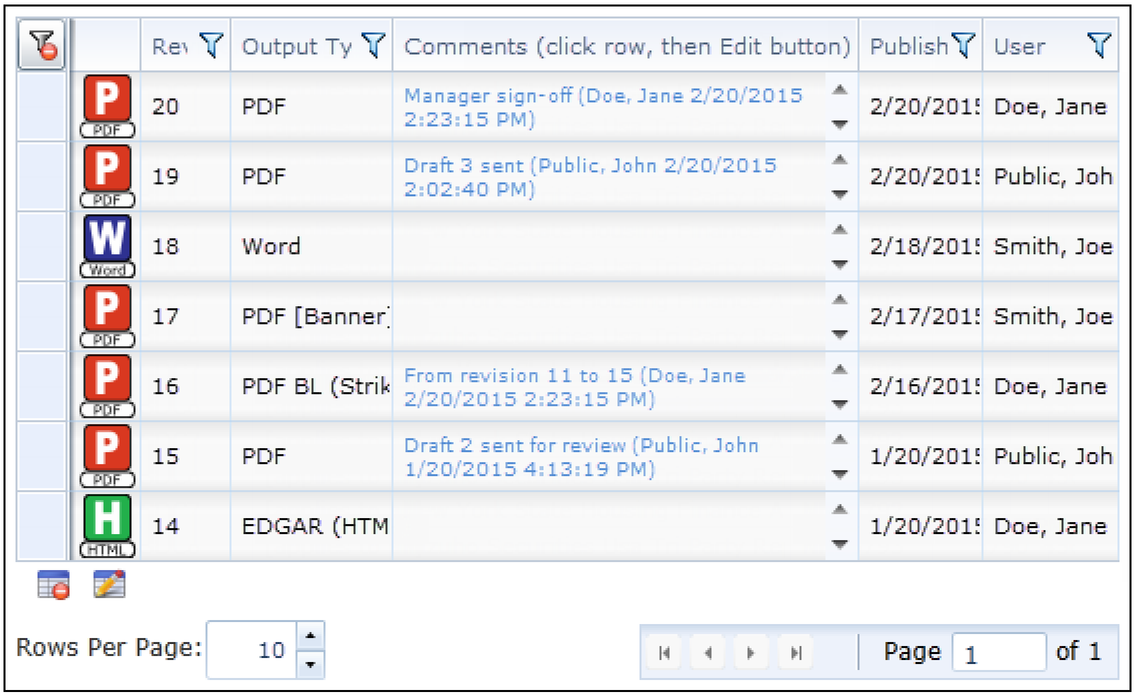
## Overview

Enhancements were made with regard to the management of published output on both the project and chapter levels. All published instances of both project- and chapter-level output are now maintained and accessible via the ***Output Management*** tab of the **Project** page for all users of a given complex.

## What's New

1. The ***Drafts*** tab was removed from the **Project** page.
    a. As part of the version 2.3.0 update process, all previously-existing output drafts will be migrated to the new revisions grid on the existing ***Output Management*** tab (discussed below), displaying in the order in which they were published.
2. The existing ***Output Management*** tab on the **Project** page was updated to be project- and chapter-specific, based on which item is selected within the tree view structure at left of the page.
    a. When the *Project* (topmost) node of the tree view is selected, the term ***Project***, followed by the current project name, is displayed at the top of the tab.
        i. All available options/settings displayed on the tab can be used to generate project-level output.
    b. When any given chapter node of the tree view is selected, the term ***Chapter***, followed by the selected chapter name, is displayed at the top of the tab.
        i. All available options/settings displayed on the tab can be used to generate chapter-level output.
    c. When any given item contained in a chapter is selected in the tree view, no options/settings will be available for use on the tab.
    d. The existing ***From draft*** and ***To draft*** drop-down lists on the tab have been renamed to ***From revision*** and ***To revision***, respectively.

e. A revision grid was added to the bottom portion of the tab. This grid displays all published instances of project or the selected chapter output. The publishing instances are unique to the project or selected chapter. Information for each published instance is displayed in the following grid columns, from left-to-right:




i. For each listed revision, a clickable ***View/save output file*** image/button is displayed.

A. The button image is dependent on the ***Output Document Type*** represented by the row.

1.  - EDGAR (HTML)

2.  - Excel

3.  - PDF

4. 

 - Word

5. 

 - XBRL

6. 

 - N-MFP (XML)

B. Clicking the button prompts the user to open or save the associated output file.

ii. ***Revision***

A. Displays the sequential number of successfully-generated output for the project or selected chapter.

1. Each time output is submitted for the project or selected chapter, the ***Revision*** value increments by 1. Only successfully-generated output is displayed in the revision grid.

2. Revision numbers are listed in descending order (*i.e.*, with the most recent revision at the top of the grid).

iii. ***Output Type***

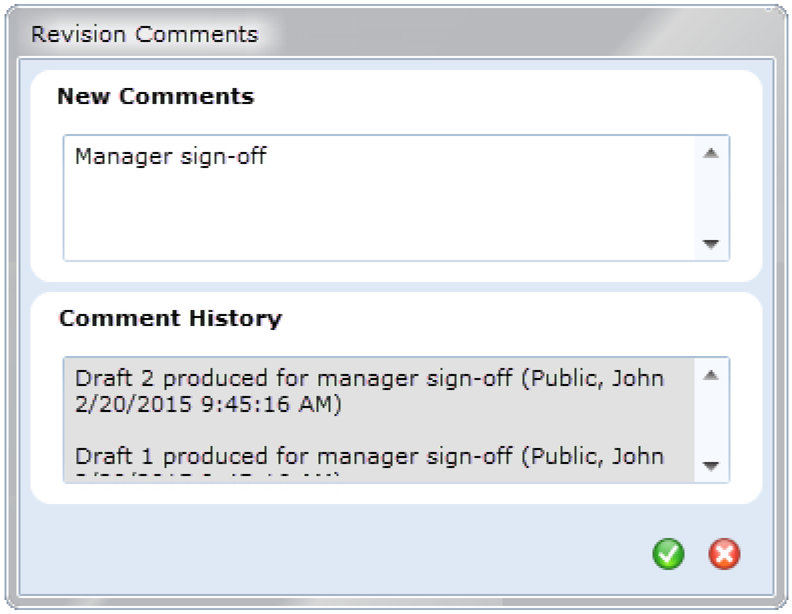
A. Identifies the ***Output Document Type*** with abbreviated descriptions of other selected output options for the associated revision.

1. EDGAR (HTML) - PDF
2. EDGAR (HTML) - PDF BL (Fin)
3. EDGAR (HTML) - PDF BL (Strike)
4. Excel
5. N-MFP (XML)
6. N-MFP Review Report
7. PDF
8. PDF (Multi-Chapter)

9. PDF BL (Fin)
10. PDF BL (Fin) [Banner]
11. PDF BL (Strike)
12. PDF BL (Strike) [Banner]
13. PDF Change BL (Fin)
14. PDF Change BL (Fin) [Banner]
15. PDF Change BL Clean
16. PDF Change BL Clean [Banner]
17. PDF [Banner, Hide Bleeds]
18. PDF [Banner]
19. PDF [Hide Bleeds]
20. Word
21. Word (Multi-Chapter)
22. XBRL

iv. ***Comments (click row, then Edit button)***

A. For each displayed revision, users may click within the desired revision grid row, and then click the ***Edit*** button () to invoke the **Revision Comments** pop-up dialogue.




1. The user can enter text in the ***New Comments*** text box at the top of the dialogue, which will be prepended as a journal entry to any/all existing journal entries to the comment.
    a. The maximum character limit for the text box is 1028.
2. The ***Comment History*** read-only text box at the bottom of the dialogue displays any/all existing journal entries to the comment field, in descending order (*i.e.*, most recent at top).
    a. Each journal entry to the comment is appended with the user name and date/time of the entry in *(<LastName>, <FirstName> mm/dd/yyyy hh:mm:ss AM/PM)* format (*e.g.*, *My comment text (Doe, Jane 12/15/2014 8:47:26 AM)*).

3. Clicking the ***Accept*** button at lower-right of the dialogue causes the dialogue to close, and for the specified text in the ***New Comments*** multi-line text box to be prepended to the existing comment text, if any.
    a. The comment(s) for the selected revision are displayed in the scrollable ***Comments*** text box.
4. Clicking the ***Cancel*** button at lower-right of the dialogue causes the dialogue to close, and for the existing comment text, if any, to remain unchanged.

**Note:**
For revisions representing document types that require the selection of ***From revision*** and/or ***To revision*** (*e.g.*, Blackline, etc.), comments are automatically added indicating the specified ***From revision*** and/or ***To revision*** value(s).

v. ***Publish Date/Time***
    A. Displays the data and time that each published revision was requested.

vi. ***User***
    A. Displays the *Last Name, First Name* of the user who initiated the output.

vii. ***Message*** (ArcFiling only)
    A. Displays a clickable ***View message*** image/button for each row representing the *N-MFP (XML)* output type.
        1. Clicking the button displays the message returned following submission.

f. To manually delete a revision from the grid, the user selects any area of the revision row to be deleted, and clicks the ***Remove item from grid*** button ( ) at lower-left of the revision grid.
    i. Clicking the ***Yes*** button on the confirmation message that displays will remove the selected revision from the grid.

3. Output generated for one or more chapters from the tree view of the **Project** page via the existing *Generate Output for Chapter(s)* right-click context menu option will now be associated with either the project or a specific chapter, dependent on the number of chapters specified for output.
    a. If only one chapter is specified for generation, the resulting output will display in the revision grid on the ***Output Management*** tab for the selected chapter.

b. If more than one chapter is specified for generation, the resulting output will display in the revision grid on the ***Output Management*** tab for the *Project* (topmost) node, with an ***Output Type*** value of *PDF (Multi-Chapter)* or *Word (Multi-Chapter)*.

4. A number of configurable settings were added to the **System** page in the ***Platform Administration*** area that pertain to the new revision grid on the ***Output Management*** tab of the **Project** page.

    a. *ProjectOutputRevisionGridRefreshTimeInSeconds*

        i. This setting specifies the interval (in seconds) at which the grid on the ***Output Management*** tab of the **Project** page checks for updated revisions and associated statuses (*i.e.*, how often the grid is "refreshed").

            A. The default value is *10*.

            B. If a user enters a value less than 5 (5 seconds), the grid will refresh every 5 seconds.

            C. If a user enters a value greater than 120 (2 minutes), the grid will refresh every 120 seconds.

    b. *PurgeAllRevisionsExceptMostRecentInDays*

        i. This setting specifies the interval (in days) at which the system will purge all Project and Chapter output revisions from the database, based on publish date, with the exception of the most recent revision of each output type.

            A. The default value is *365* (1 year).

            B. If a user enters a value less than 60 (60 days), the system will carry out the purge every 60 days.

            C. If a user enters a value greater than 2557 (7 years), the system will carry out the purge every 2557 days.

            D. If a user enters an invalid (*e.g.*, non-numeric) value, the system will carry out the purge every 2557 days.

    c. *PurgeAllRevisionsInDays*

        i. This setting specifies the interval (in days) at which the system will purge all Project and Chapter output revisions from the database, based on publish date.

A. The default value is *1095* (3 years).

B. If a user enters a value less than 60 (60 days), the system will carry out the purge every 60 days.

C. If a user enters a value greater than 2557 (7 years), the system will carry out the purge every 2557 days.

D. If a user enters an invalid (*e.g.*, non-numeric) value, the system will carry out the purge every 2557 days.

d. *PurgeEmptyCommentRevisionsExceptMostRecentInDays*

i. This setting specifies the interval (in days) at which the system will purge all Project and Chapter output revisions that have an empty ***Comments*** field from the database, based on publish date, with the exception of the most recent revision of each output type.

A. The default value is *182* (6 months).

B. If a user enters a value less than 60 (60 days), the system will carry out the purge every 60 days.

C. If a user enters a value greater than 2557 (7 years), the system will carry out the purge every 2557 days.

D. If a user enters an invalid (*e.g.*, non-numeric) value, the system will carry out the purge every 2557 days.

e. *PurgeAllChapterRevisionsExceptMostRecentInDays*

i. This setting specifies the interval (in days) at which the system will purge all chapter output revisions from the database, based on publish date, with the exception of the most recent revision of each output type.

A. The default value is *90* (3 months).

B. If a user enters a value less than 60 (60 days), the system will carry out the purge every 60 days.

C. If a user enters a value greater than 2557 (7 years), the system will carry out the purge every 2557 days.

D. If a user enters an invalid (*e.g.*, non-numeric) value, the system will carry out the purge every 2557 days.

f. *PurgeAllChapterRevisionsInDays*

i. This setting specifies the interval (in days) at which the system will purge all Chapter output revisions from the database, based on publish date.

A. If a user enters a value less than 60 (60 days), the system will carry out the purge every 60 days.

B. If a user enters a value greater than 2557 (7 years), the system will carry out the purge every 2557 days.

C. If a user enters an invalid (*e.g.*, non-numeric) value, the system will carry out the purge every 2557 days.

g. *PurgeEmptyCommentChapterRevisionsExceptMostRecentInDays*

i. This setting specifies the interval (in days) at which the system will purge all chapter output revisions that have an empty ***Comments*** field from the database, based on publish date with the exception of the most recent revision of each output type.

A. If a user enters a value less than 60 (60 days), the system will carry out the purge every 60 days.

B. If a user enters a value greater than 2557 (7 years), the system will carry out the purge every 2557 days.

C. If a user enters an invalid (*e.g.*, non-numeric) value, the system will carry out the purge every 2557 days.

## Process Changes

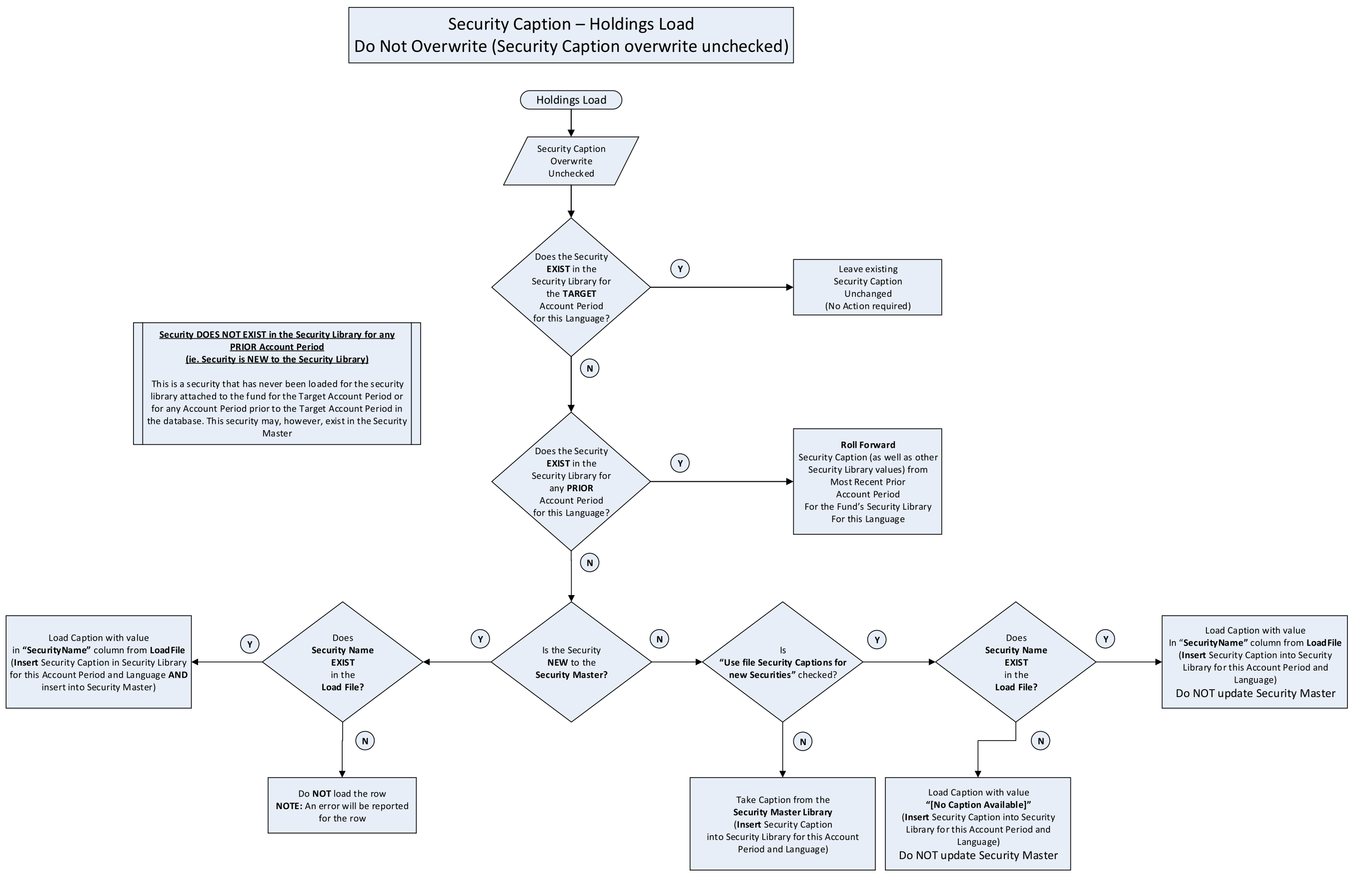
These enhancements result in a change in how users work within the **Project** page. Please review the above list of new features to understand how you are impacted with regard to viewing drafts, setting up PDF purge settings and making comments to published drafts.

Demonstration video

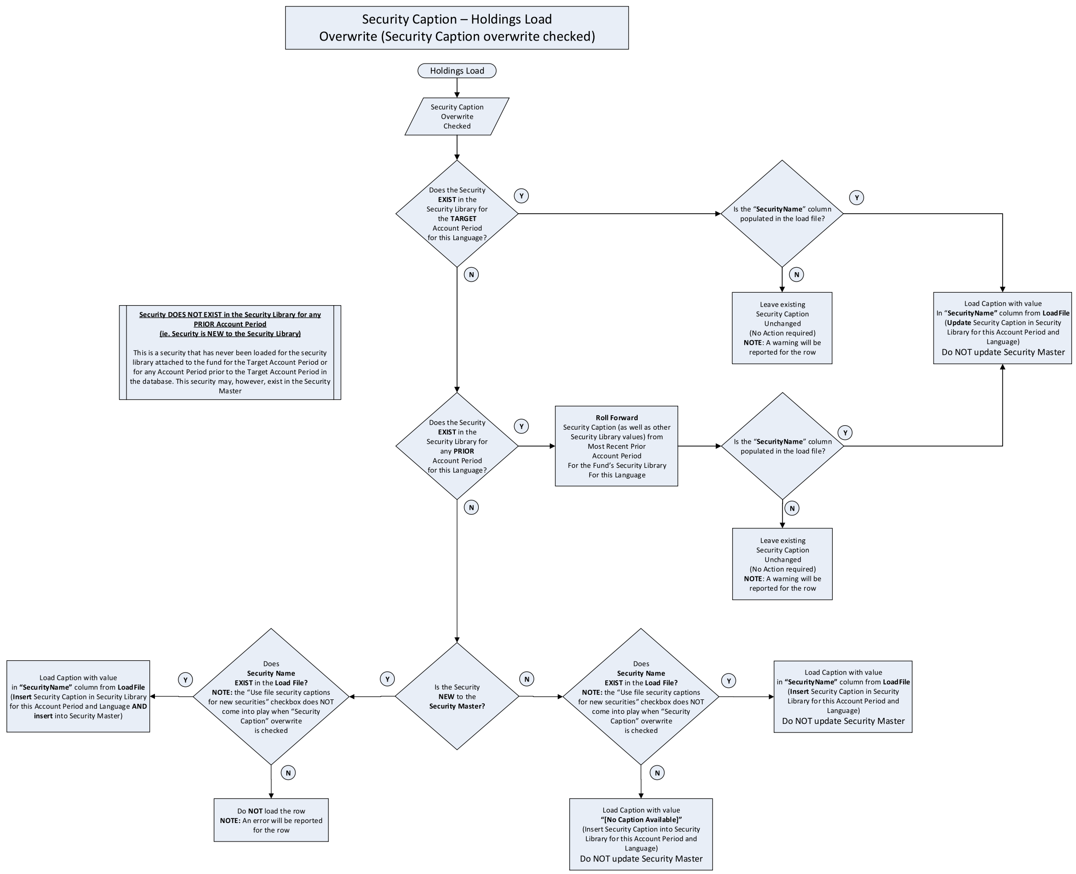
# Appendix A: Holdings Import Security Caption Overwrite Logic

The following diagrams outline the logic employed for the Holdings data import/dataload with regard to the ***Security Caption*** overwrite check box option.

# 1. "Security Caption" check box option cleared



## 2. "Security Caption" check box option selected



# Appendix B: Conditional Formula Options

Depending on the FundSuiteArc application interface through which the **Add/Edit Conditional Formula Element** dialogue is invoked, the dialogue will open in one of several distinct "modes" (*i.e.*, *Text String*, *Numeric Value*, *Round Level* or *Boolean*). The conditional formula mode will determine which setup options are available for defining a formula.

The figures below identify the options available via the **Add/Edit Conditional Formula Element** dialogue, based on the conditional formula mode.

# 1. Available "If" drop-down list selections

Selection available in mode/interface
Selection not available in mode/interface
N/A

| | | | Conditional Formula Mode / Application Interface | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Text String | | | | Numeric Value | | | Round Level | Boolean | |
| | | | Text Libraries | Footnote Libraries - General Ledger | Footnote Libraries - Holdings | Custom Data Points Library | FWT > CS > Add/Edit Calculation Sheet Item | | | Fund Report Settings (Complex > Fund) > Conditional Fund Rounding | Project Templates > Contents > Suppression > Advanced Suppression | FWT > Proofing and Reasonability Checks > Reasonability Checks |
| "If" Selection | Data Point | | | | | | | | | | | |
| | "Type" Selection | "Element" Selection | | | | | Class | Currency | Multiple Columns | | | |
| Account Period | N/A | N/A | Available | Available | Available | Available | Not available | Not available | Not available | Available | Available | Available |
| Account Period Type | N/A | N/A | Available | Available | Available | Available | Available | Available | Available | Available | Available | Available |
| Attribute | N/A | N/A | Available | Available | Available | Available | Available | Available | Available | Available | Available | Available |
| Class Data Point | N/A | N/A | Not available | Not available | Not available | Not available | Not available | Not available | Not available | Available | Available | Available |
| Financial Workbook | Calculation Sheet | [FWT > CS > Element] | Available | Available | Available | Available | Available | Available | Available | Available | Available | Available |
| | Class Data Point | [Class Data Point Element] | Available | Available | Available | Available | Available | Available | Available | Available | Available | Available |
| | Constant Value | [Numeric Value] | Available | Available | Available | Available | Available | Available | Available | Available | Available | Available |
| | Fund Data Point | [Fund Data Point Element] | Available | Available | Available | Available | Available | Available | Available | Available | Available | Available |
| | Supplemental Data | [FWT > Element] | Available | Available | Available | Available | Available | Available | Available | Available | Available | Available |
| | Trial Balance Definition | [FWT > TBD > Element] | Available | Available | Available | Available | Available | Available | Available | Available | Available | Available |
| Fund | N/A | N/A | Available | Available | Available | Available | Available | Available | Available | Available | Available | Available |
| Fund Data Point | N/A | [Fund Data Point Element] | Available | Available | Available | Available | Not available | Not available | Not available | Not available | Not available | Not available |
| Fund Group | N/A | N/A | Available | Available | Available | Available | Available | Available | Available | Available | Available | Available |
| Fund Type | N/A | N/A | Available | Available | Available | Available | Available | Available | Available | Available | Available | Available |
| Number of Funds in Book | N/A | N/A | Available | Available | Available | Available | Not available | Not available | Not available | Not available | Not available | Not available |
| Project Template | N/A | N/A | Available | Available | Available | Available | Not available | Not available | Not available | Not available | Not available | Not available |

# 2. Available "Return Value" Settings (True or False)

Selection available in mode/interface
Selection not available in mode/interface
N/A

| "Value to Return" Setting | "Data Point" Controls: "Type" Selection | "Data Point" Controls: "Item" Selection | "Format Item" Controls | Conditional Formula Mode / Application Interface: Text String: Text Libraries | Text String: Footnote Libraries - General Ledger | Text String: Footnote Libraries - Holdings | Text String: Custom Data Points Library | Numeric Value: FWT > CS > Add/Edit Calculation Sheet Item: Class | Numeric Value: FWT > CS > Add/Edit Calculation Sheet Item: Currency | Numeric Value: FWT > CS > Add/Edit Calculation Sheet Item: Multiple Columns | Round Level: Fund Report Settings (Complex > Fund) > Conditional Fund Rounding | Boolean: Project Templates > Contents > Suppression > Advanced Suppression | Boolean: FWT > Proofing and Reasonability Checks > Reasonability Checks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Text (plain text) | | | | | | | | | | | | | |
| Text (with Data Point) | Account Period | [Account Period Item] | Format<br>Fund Selection Behavior | | | | | | | | | | |
| | Ancillary Fund Information | [Ancillary Fund Information Item] | Format<br>Fund Selection Behavior | | | | | | | | | | |
| | Calculation Sheet | [FWT > CS > Item] | Format<br>Zero Display<br>Negative Display<br>Rounding<br>Fund Selection Behavior<br>Base Class | | | | | | | | | | |
| | Class Data Point | [Class Data Point Item] | Format<br>Zero Display<br>Negative Display<br>Rounding<br>Fund Selection Behavior<br>Base Class | | | | | | | | | | |
| | Fund Data Point | [Fund Data Point Item] | Format<br>Zero Display<br>Negative Display<br>Rounding<br>Fund Selection Behavior<br>Base Class | | | | | | | | | | |
| | Supplemental Data | [FWT > Item] | Format<br>Zero Display<br>Negative Display<br>Rounding<br>Fund Selection Behavior<br>Base Class | | | | | | | | | | |
| | Trial Balance Definition | [FWT > TBD > Item] | Format<br>Zero Display<br>Negative Display<br>Rounding<br>Fund Selection Behavior<br>Base Class | | | | | | | | | | |
| System Data Point | Account Period | [Account Period Item] | Format<br>Fund Selection Behavior | | | | | | | | | | |
| | Ancillary Fund Information | [Ancillary Fund Information Item] | Format<br>Fund Selection Behavior | | | | | | | | | | |
| | Calculation Sheet | [FWT > CS > Item]<br>Numeric mode:<br>- [FWT > CS > Element]<br>- Also "Account Period Cycle" selection | Format<br>Zero Display<br>Negative Display<br>Rounding<br>Fund Selection Behavior<br>Base Class | | | | | "Format Item" controls NOT available. | "Format Item" controls NOT available. | "Format Item" controls NOT available. | | | |
| | Class Data Point | [Class Data Point Item]<br>Numeric mode:<br>- [Class Data Point Element]<br>- Also "Account Period Cycle" selection | Format<br>Zero Display<br>Negative Display<br>Rounding<br>Fund Selection Behavior<br>Base Class | | | | | "Format Item" controls NOT available. | "Format Item" controls NOT available. | "Format Item" controls NOT available. | | | |
| | Constant Value | [Numeric Value] | | | | | | "Format Item" controls NOT available. | "Format Item" controls NOT available. | "Format Item" controls NOT available. | | | |
| | Fund Data Point | [Fund Data Point Item]<br>Numeric mode:<br>- [Fund Data Point Element]<br>- Also "Account Period Cycle" selection | Format<br>Zero Display<br>Negative Display<br>Rounding<br>Fund Selection Behavior<br>Base Class | | | | | "Format Item" controls NOT available. | "Format Item" controls NOT available. | "Format Item" controls NOT available. | | | |
| | Supplemental Data | [Supplemental Data Item]<br>Numeric mode:<br>- [Supplemental Data Element]<br>- Also "Account Period Cycle" selection | Format<br>Zero Display<br>Negative Display<br>Rounding<br>Fund Selection Behavior<br>Base Class | | | | | "Format Item" controls NOT available. | "Format Item" controls NOT available. | "Format Item" controls NOT available. | | | |
| | Trial Balance Definition | [FWT > TBD > Item]<br>Numeric mode:<br>- [FWT > TBD > Element]<br>- Also "Account Period Cycle" selection | Format<br>Zero Display<br>Negative Display<br>Rounding<br>Fund Selection Behavior<br>Base Class | | | | | "Format Item" controls NOT available. | "Format Item" controls NOT available. | "Format Item" controls NOT available. | | | |
| Snippet | | | | | | | | | | | | | |
| Rounding | | | | | | | | | | | | | |
| [Boolean] | | | | | | | | | | | | | |

# Closed Defects

The following issues were addressed in this release of FundSuiteArc products.

RR DONNELLEY

| Product | RRD ID | Module / Location | Description |
|---|---|---|---|
| ArcFiling | 63604 (IM15-233231) | User Audit Reports | Fixed a defect whereby the system log did not populate the proper key in the audit detail when a new application user was created, and a complex was assigned at that time. |
| ArcFiling/ ArcReporting | 59587 | Holdings Load Profiles | Corrected missing punctuation in the "delete" message associated with the **Holdings Load Profiles** page. |
| ArcFiling/ ArcReporting | 59943 | Project | Fixed a defect which prevented the text snippet ***Description*** field on the **Project** page from refreshing properly. |
| ArcFiling/ ArcReporting | 53014 (IM15-011971) | Portfolio | Fixed a defect in the Holdings dataload wherein batch keys were not created. |

RR DONNELLEY

Corporate Headquarters
35 West Wacker Drive
Chicago, Illinois 60601
U.S.A

800.424.9001
www.rrdonnelley.com
www.financial.rrd.com