



FundSuiteArc Version 2.2.0 Release Notes

ArcFiling 2.2.0

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RR DONNELLEY

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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

No changes in this product release require any immediate action to be carried out by users.



Enhancements Requiring User Decisions

No changes in this product release require any decisions to be made by users.



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. **Text Snippets: Reference color not applied to data points or last list item symbol**

Overview

Due to a known issue with the 3rd-party text editor control used in FundSuiteArc, if multiple items in an ordered or unordered list are selected and a given reference color is applied to the selection, the specified color is not applied to the number/bullet point of the last list item (although it is applied to the actual text of that list item). Additionally, by design, data points contained in text snippets will not take on the specified reference color.

Process Changes

No changes to current processes are required.



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. Display of output formatting settings in Project page preview

The preview pane for tabular data and portfolio statements on the **Components** tab of the **Project** page was enhanced to reflect any formatting options that are applied to the components via their respective **Output Settings** pages.

2. Workspace navigation: Project and Project Templates pages

Users can now navigate from a project on the **Project** page to its associated project template via a new hyperlink in the **Project Content** pane.

3. Securities Audit Report enhancements

The Securities Audit Report was enhanced to include changes related to Repo Collateral holdings, and to provide additional information related to affected funds.

4. Enhanced ability to view other funds that hold same security: Global Holdings Review

Users can now easily view any given security record that is held in other funds and complexes within an environment via an enhanced **Global Holdings Review** page and links from the **Fund Holdings** page.

5. Category Libraries page refresh enhancements

The **Category Libraries** page was enhanced so that the **Categories** results grid is refreshed automatically as a different account period and/or language is selected within each respective drop-down list.

6. Portfolio and financial statement template Missing Output Settings Report

Users can now generate a report that lists all rows within a portfolio statement template that do not have any output settings applied. This report can be run via a menu item in the **Reports** menu section on the **Filings Workspace** tab, or from the **Project** page.

7. Export/Import/Copy document structure templates

Users now have the ability to use an existing document structure template as the basis for a new template. Existing document structure templates can be directly copied within the same FundSuiteArc environment or exported to a file that can be imported to a different environment.

8. **Project page tree view behavior enhancements**

The tree view in the **Project Content** pane of the **Project** page was enhanced to keep the vertical scroll bar from jumping to the top when a user expands chapters or sections in the tree view, or when a user accesses functionality that exists on other tabs of **Project** page.

9. **Project Templates page tree view behavior enhancements**

The tree view on the **Contents** tab of the **Project Templates** page was enhanced to keep the vertical scroll bar from jumping to the top when a user accesses features in other portions of the **Contents** tab, or functionality that exists on other tabs of **Project Templates** page.

10. **Support for special characters in data import and export**

The properties of certain database fields were enhanced to support a specific set of ASCII and non-ASCII characters, codes, symbols and signs (see **Appendix A: Special Character Support** on page 99 of this document for full list of characters). Where possible, related application user interfaces and processes (e.g., data import, project preview and output, report export, etc.) were updated to support this new functionality.

11. **Project Template Audit Report**

A Project Template Audit Report is now available that provides users with details of the changes made to project templates. This standalone report is accessible via the **Reports** menu section on the **Administration** tab. A button to navigate directly to the report is also now available on the **Project Templates** page.

12. **Custom zero display output settings**

Users now have the ability to customise the output display of zero and rounded-to-zero numeric values on custom data points, financial, portfolio and tabular data templates.

13. **Enhanced roll-forward behavior for "Repurchase Agreement" and "Other" investment types**

In previous versions of FundSuiteArc, the categorization logic for securities with an investment type of **Repurchase Agreement** or **Other** was designed to not roll forward existing categorization from the previous period under any circumstance. In order for securities of these investment types to be categorized, a Holdings data import file was required to contain valid categorization records for the securities. Users can now specify certain load options to ensure the categorization of **Repurchase Agreement** or **Other** securities.

14. **Ability to freeze columns in tabular data, financial statement and portfolio statement preview**

Data grids on the **Components** tab of the **Project** page were enhanced to display a fixed leftmost column by default. Users can drag the grid's splitter bar to include other columns in the fixed region, as well.

15. **Document structure template "Chapter Code" and "Section Code" are now required fields**

With an aim to reduce the number of variables that may cause errors in project setup, and therefore prevent the generation of project output, each chapter and section within a given document structure template must now have a unique code among other chapters/sections in that template.

16. **Ability to define multiple Holdings load profiles per complex**

Users now have the ability to create multiple holdings load profiles per complex to allow for greater flexibility when loading data via FTP or front-end Excel import. Previous versions of FundSuiteArc allowed for settings to be defined on a single version of the **Holdings Load Options** page, for FTP dataloads only.

17. **Ability to configure number of days prior to/post period end for automatic project creation**

Users now have the ability to control the number of days prior to or post an account period end that associated projects are created. Prior to version 2.2.0, projects were automatically created 15 days prior to each period end. Users can now change this setting at the database level to control the number of days prior to/post a given account period end that the associated project is created.

18. **Portfolio Statement Template Audit Report**

A Portfolio Statement Template Audit Report is now available that provides users with details of the changes made to portfolio statement templates. This standalone report is accessible via the **Reports** menu section on the **Administration** tab in both ArcFiling and ArcReporting. A button to navigate directly to the report is also now available on the **Portfolio Statement Templates** page.

19. **Ability to load category exceptions**

Currently, users can apply a category exception manually to each security via the **Holdings** tab of the **Fund Holdings** page. Users can now apply category exceptions to all securities of a particular category type in a data source file through use of a new **Load as Exception** dataload/data import setting.

20. **Assigned complex for existing text and footnote libraries no longer editable**

To prevent potential issues with project setup and maintenance, the complex with which a given text library is associated can no longer be changed after the library is created and saved.

21. **Display of fund code with fund name**

In most areas of FundSuiteArc where a fund name is displayed as read-only text or as a drop-down list selection, the corresponding fund code will now also display within parentheses, after the fund name.

22. Text Snippet Audit Report enhancements

Enhancements were made to the existing Text Snippet Audit Report to facilitate tracking of deleted snippets, as well as viewing of changed snippet content as either formatted text or XML.

23. Text Libraries Extract

Users can now export the content and details associated with all text snippets in a given text library to a file of Word (DOC) format.

24. Ability to specify a distinct number of mappable columns for portfolio statement categories, groups and items

Users can now specify the number of mappable columns displayed for line items of types *Column Header*, *Net Assets*, *Other Assets* and *Total Investments*.

25. Enhancements to footnote and text library content functionality

A series of updates related to text snippet content were made across several application pages and exports.

26. Change to handling of fund holdings values for "Closed" account periods

A change was made to the handling of fund holdings values for "Closed" account periods. In previous versions of FundSuiteArc, holdings values for a closed period were re-summed in project preview and/or generation of output to derive total values.

27. Enhanced behavior on Project page for suppressed or undefined components

Functionality was added to the **Project** page to alert users when a given component in the project is either undefined (*i.e.*, has no associated output settings) or will be suppressed in output due to **Advanced Suppression** settings specified for the project's template.



Enhancements Common to Multiple Products

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

1. Display of output formatting settings in Project page preview

Overview

The preview pane for tabular data and portfolio statements on the **Components** tab of the **Project** page was enhanced to reflect any formatting options that are applied to the components via their respective **Output Settings** pages.

What's New

In previous versions of FundSuiteArc, any formatting applied in the output settings of portfolio statement or tabular data templates was not reflected in the **Project** page preview; only minimal formatting was applied to content in the project preview to provide the user with a few visual cues. The **Project** page preview pane was enhanced to more directly reflect the output formatting styles applied to the various components' templates.

1. When viewing a portfolio statement or tabular data component via the **Components** tab of the **Project** page, the following output formatting settings will be reflected in the display of a cell, row or item:
 - a. Style
 - i. Bold
 - A. Content is displayed as bolded text.
 - ii. Italic
 - A. Content is displayed as italicized text.
 - iii. Superscript
 - A. Content is displayed as superscripted text.
 - iv. Subscript
 - A. Content is displayed as subscripted text.

- v. Underline
 - A. If underline option **1** is specified, the cell displays a single underline with a color of black.
 - B. If underline option **2** is specified, the cell displays a single underline with a color of dark green.
 - C. If underline option **3** is specified, the cell displays a single underline with a color of red.
 - b. Color
 - i. If color option **1** is specified, the cell text displays with a dark orange color.
 - ii. If color option **2** is specified, the cell text displays with a yellow color.
 - iii. If color option **3** is specified, the cell text displays with a blue color.
 - c. Shading
 - i. If shade option **1** is specified, the cell displays with a light gray background color.
 - ii. If shade option **2** is specified, the cell displays with a gray background color.
 - iii. If shade option **3** is specified, the cell displays with a dark gray background color.
 - d. Horizontal Alignment
 - i. If **Left** alignment is specified, the content displays left-aligned.
 - ii. If **Center** alignment is specified, the content displays center-aligned.
 - iii. If **Right** alignment is specified, the content displays right-aligned.
 - e. Vertical Alignment
 - i. If **Top** alignment is specified, the content displays top-aligned.
 - ii. If **Middle** alignment is specified, the content displays middle-aligned.
 - iii. If **Bottom** alignment is specified, the content displays bottom-aligned.
2. The following formatting options are **not** reflected in project preview, even if they are applied in the output settings:
- a. Any adjustments made to the **Row Space Above** setting.
 - b. Any adjustments made to the **Column Width** setting.

Additional Information

All existing formatting that was displayed in the project preview in previous versions of FundSuiteArc was removed. If a user has not applied any formatting options in the output settings for a given component, content for that component displays as plain text/values in the project preview pane.

Process Changes

No changes to current processes are required.

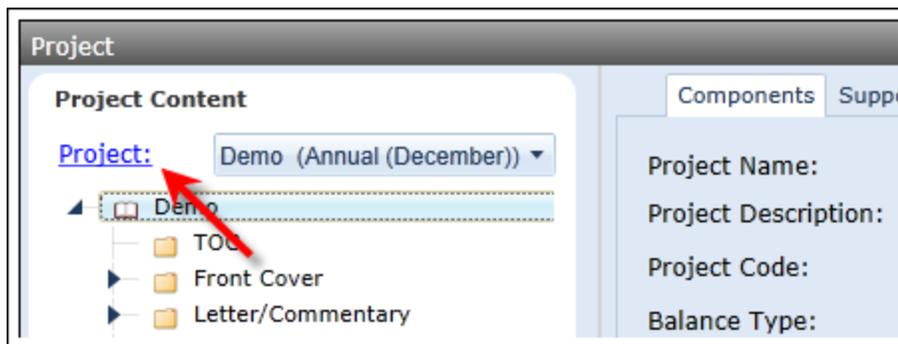
2. Workspace navigation: Project page

Overview

Users can now navigate from a project on the **Project** page to its associated project template via a new hyperlink in the **Project Content** pane.

What's New

1. The **Project** drop-down list label at upper-left of the **Project** page is now a clickable link.



- a. The link is enabled only when a valid selection is specified for the **Project** drop-down list.
- b. Clicking the link causes the **Project Templates** page to open for the specified project template with the **Contents** tab in focus.

Note:

The existing *Open Project Templates Page (ArcFiling)* user right is required to open the **Project Templates** page. If a user does not have this right, an **Insufficient Rights** pop-up dialogue displays when the link is clicked (and the page will not open).

- i. If the **Project Templates** page is already open and in an unsaved state at the time the user clicks the link, they will be prompted to save/revert changes before viewing the target project template (the same behavior as would be exhibited if a user attempted to navigate to a different project template by clicking its corresponding row in the **Listing** pane of the **Project Templates** page, while the current template is in an unsaved state).

Process Changes

No changes to current processes are required.

3. Securities Audit Report enhancements

Overview

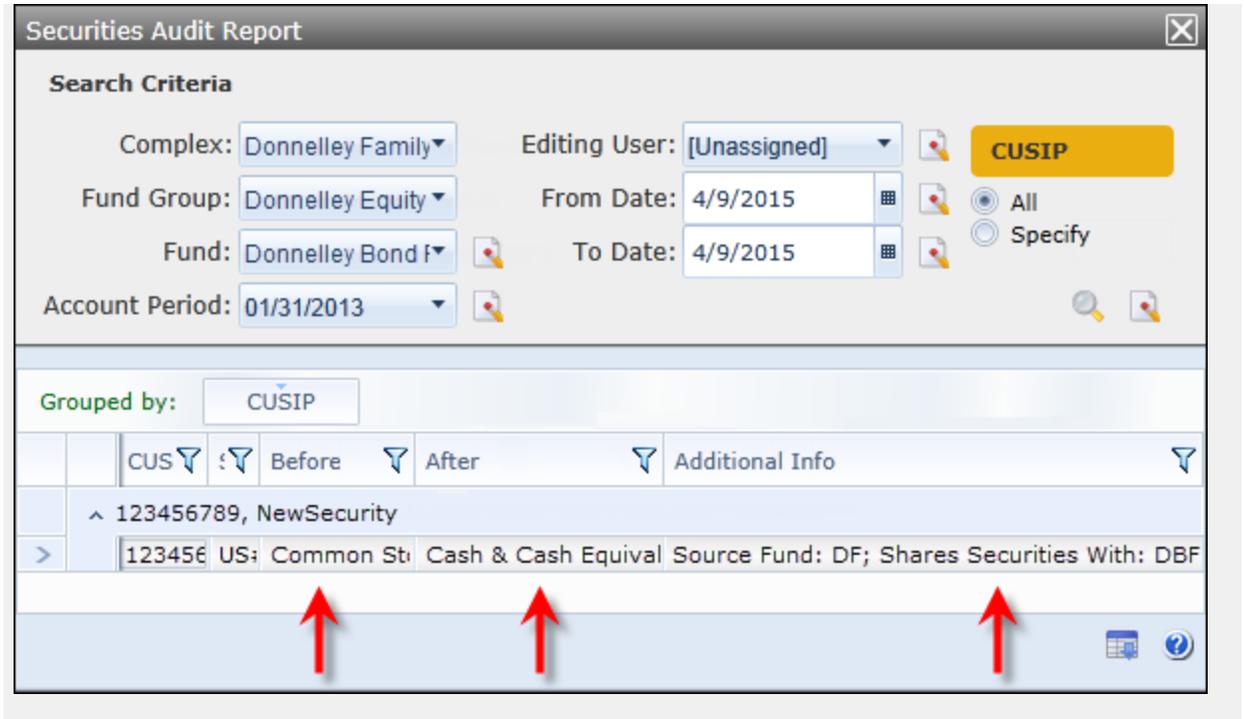
The Securities Audit Report was enhanced to include changes related to Repo Collateral holdings, and to provide additional information related to affected funds.

What's New

1. Previous versions of the Securities Audit Report did not provide results related to changes made to **Item 32 (c) - Coupon Rate**, **Item 32 (c) - Coupon Rate From** or **Item 32 (c) - Coupon Rate To**. The Securities Audit Report will now return any changes made to these items if they fall within the specified report criteria.
2. Previous versions of the Securities Audit Report included a **Fund** column that was populated with the fund name. This column was displayed only for security balance-type changes. This column was renamed as **Fund Code**, and is now populated with the corresponding fund code. This column will now be populated when the following types of changes appear in the report:
 - a. *Security Add*
 - b. *Security Categorization*
 - c. *Security Change*
3. The Securities Audit Report was enhanced to include more detailed information in the **Additional Info** column. The **Additional Info** column will now provide a comma-delimited list of fund codes with which the source fund shares securities, when a security categorization- or security balance-type change is made.

Example:

A user changes the **Security Investment Type** categorization from *Common Stocks* to *Cash & Cash Equivalents* in the Donnelley Dividend Fund for CUSIP *123456789*. The Donnelley Dividend Fund shares this security with the Donnelley Bond Fund. When the user produces a Securities Audit Report, using the criteria shown in the figure below, the user will receive the result in the **Additional Info** column, including the source fund and fund code of the fund by which the original categorization change was made, and the fund code(s) of the fund(s) that share(s) the security with the source fund.



Process Changes

No changes to current processes are required.

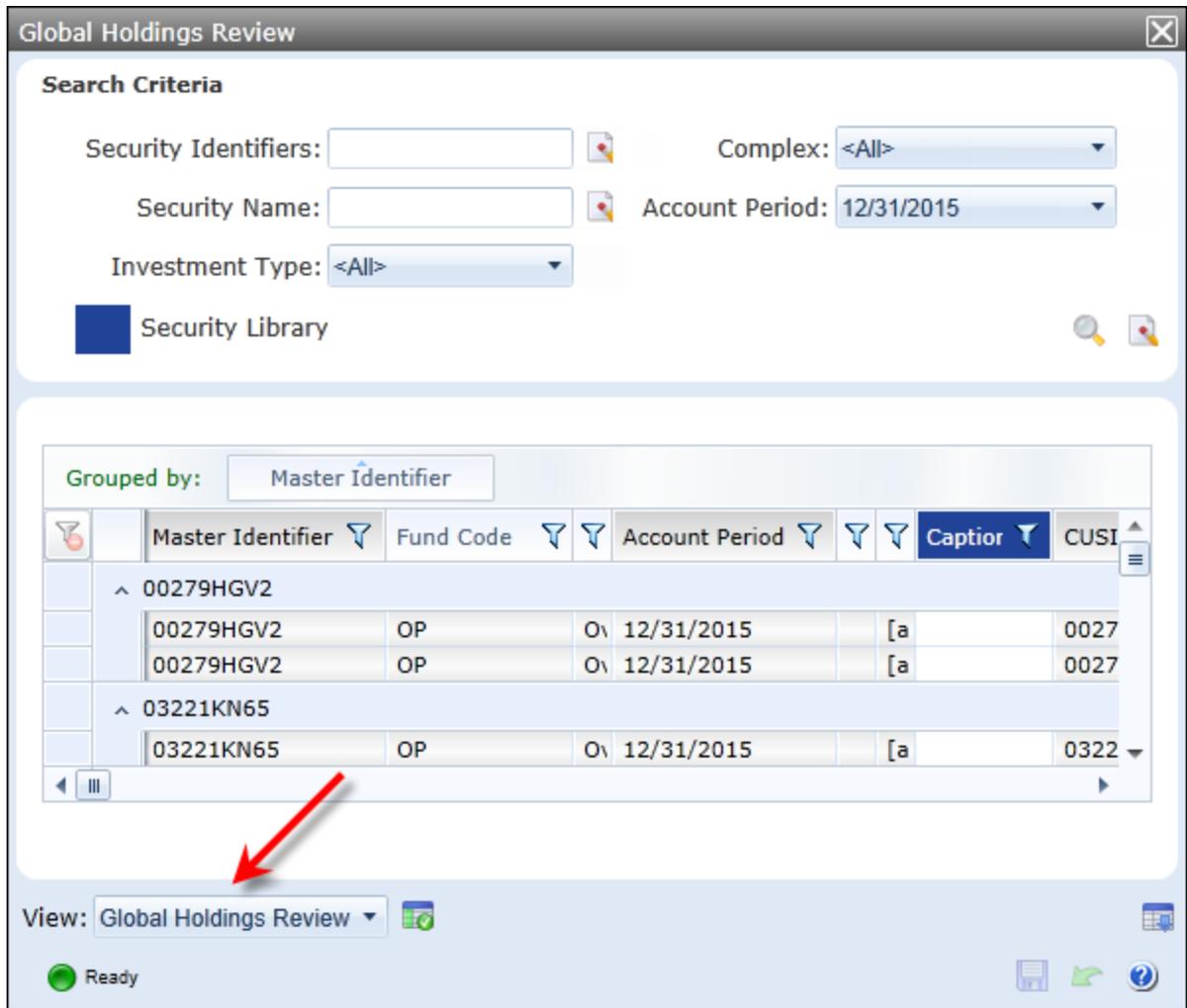
4. Enhanced ability to view other funds that hold same security: Global Holdings Review

Overview

Users can now easily view any given security record that is held in other funds and complexes within an environment via an enhanced **Global Holdings Review** page and links from the **Fund Holdings** page.

What's New

1. A **View** drop-down list and associated button are now displayed at lower-left of the **Global Holdings Review** page, beneath the grid.



- a. This allows users to create custom views of data in the results grid.
 - i. The views functionality is similar to that of the existing **Fund Holdings** page.

Note:

Views defined for **Fund Holdings** page will not be visible/shared in the **Global Holdings Review** page, nor will views created for the **Global Holdings Review** page be visible/shared in the **Fund Holdings** page.

- 2. An **Export data** button is now displayed at lower-right of the grid on the **Global Holdings Review** page, which allows the user to download the report to a specified format.

3. Right-clicking in any cell in any row of the **Fund Holdings** page now presents an **Open Global Holdings Review** option in the context menu.
 - a. Selecting this option causes the **Global Holdings Review** page to open.

Note:

The existing *Open Global Holdings Review Page (ArcFiling)* user right is required to open the **Global Holdings Review** page. If a user does not have this right, an **Insufficient Rights** pop-up dialogue displays when the option is clicked (and the page will not open).

- i. When the page is opened via this right-click action, the following **Search Criteria** fields will be auto-populated:
 - A. **Account Period**
 - B. **Complex**
 - C. **Security Identifiers** (populated with **Master Identifier** value)
 - D. **Investment Type**
- ii. The **Search** button will effectively be clicked, such that records matching the specified search criteria will be displayed in the results grid of the page.

Process Changes

No changes to current processes are required.

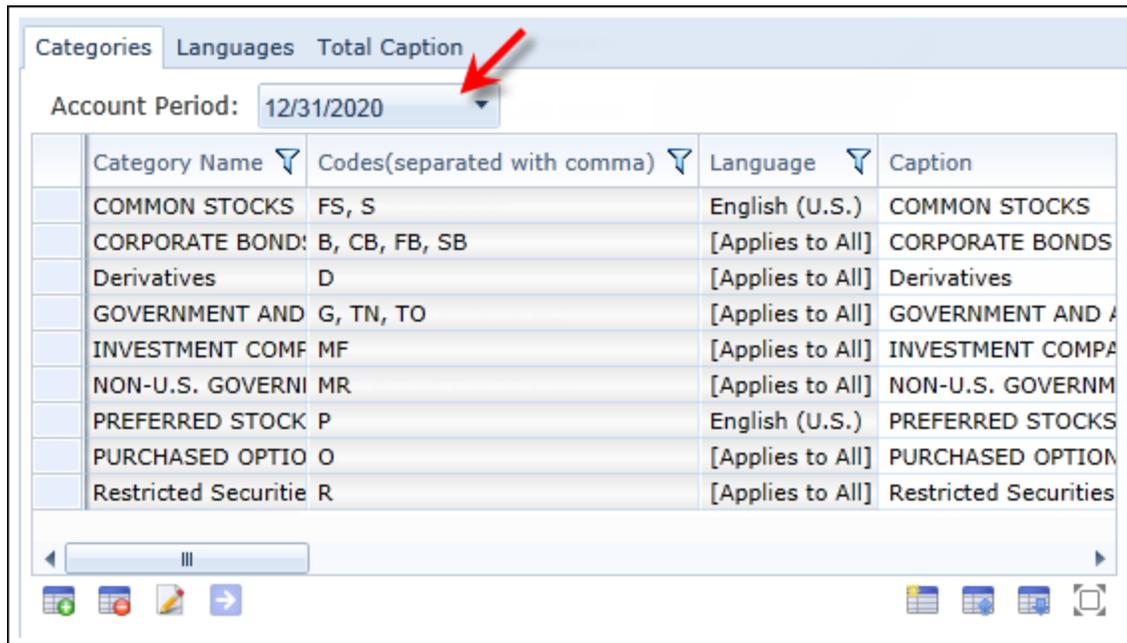
5. Category Libraries page refresh enhancements

Overview

The **Category Libraries** page was enhanced so that the **Categories** results grid is refreshed automatically as a different account period and/or language is selected within each respective drop-down list.

What's New

In previous versions of FundSuiteArc, the user was required to click a button (🔍) to refresh the **Categories** results grid on the **Category Libraries** page following the selection of a different account period.



The **Search** button was removed from the page, and the results grid now refreshes automatically when the user specifies a new value in the **Account Period** drop-down list.

Process Changes

No changes to current processes are required.

6. Portfolio statement template Missing Output Settings Report

Overview

Users can now generate a report that lists all rows within a portfolio statement template that do not have any output settings applied. This report can be run via a menu item in the **Reports** menu section on the *Filings Workspace* tab, or from the **Project** page.

What's New

1. A new **Missing Output Settings Report** page was added to FundSuiteArc, through which users can generate a listing of portfolio line items that have no output settings defined for a specified complex/fund group/fund in a given project. The page is accessed via a new menu item of the same name, under the **Reports** menu section on the *Filings Workspace* tab.

Note:

The new *Open Missing Output Settings Report Page (ArcFiling)* user right is required to open the **Missing Output Settings Report** page.

- a. The report can be run for a project across:
 - i. A single complex.
 - ii. A single fund group or multiple fund groups (by specifying *[None]* for the *Fund Group* report filter).
 - iii. A single fund or multiple funds (by specifying *[None]* for the *Fund* report filter).
- b. The report contains the following information:
 - i. Header information, displaying the values specified below, dependent on the page from which the report is generated:
 - A. **Report Date**
 1. Displays the date and time (on the server) at which the report was run.

B. **Generated By**

1. Displays the name of the user that ran the report in *Last Name, First Name* format.

C. **Complex**

1. If the report was run via the **Missing Output Settings Report** page, displays the **Complex** selection specified in the **Report Results Filters** group box.
2. If the report was run via the **Project** page, displays the name of the complex with which the project is associated.

D. **Fund Group**

1. If the report was run via the **Missing Output Settings Report** page, displays the **Fund Group** selection specified in the **Report Results Filters** group box.
2. If the report was run via the **Project** page, displays *[None]*.

E. **Fund**

1. If the report was run via the **Missing Output Settings Report** page, displays the **Fund** selection specified in the **Report Results Filters** group box.
2. If the report was run via the **Project** page, displays *[None]*.

F. **Project**

1. If the report was run via the **Missing Output Settings Report** page, displays the **Project** selection specified in the **Report Results Filters** group box.
2. If the report was run via the **Project** page, displays the name of the project.

G. **Statement Template**

1. If the report was run via the **Missing Output Settings Report** page, displays the **Statement Template** selection specified in the **Report Results Filters** group box.
2. If the report was run via the **Project** page, displays *[None]*.

H. **Account Period**

1. Displays the account period specified in the fund selection bar at the time the report was run, whether via the **Missing Output Settings Report** page or via the **Project** page.

ii. Data in the following columns:

A. **Template Name**

1. Displays the name of the portfolio statement that contains the line item with no output settings.

B. **Statement Type**

1. Displays one of the following values, dependent on the base type of the statement:

a. *Portfolio*

C. **Line Item**

1. Displays the location and name of the line item within the statement.
2. If the item is in a tree view, each parent line item is displayed with the greater-than symbol (>) as a separator (e.g., *Assets > Cash at Banks, Market Allocation > Security Type 1 > Country - Ireland > Security*, etc.).

D. **Part of Total**

1. Displays one of the following values, dependent on whether or not the line item is contained within a total (i.e., it is a security):

a. *False*

b. *True*

E. **Project Location**

1. Displays the location within the project tree view where the statement template is located.
2. Repeat groups are ignored.

3. If a given statement template exists multiple times in the project, a row representing the first instance of the template is displayed.
4. Chapters, sections and items are separated by a greater-than symbol (>) (e.g., *Primary Statements > Primary Statements > Balance Sheet*).

Note:

For Excel output, the information is displayed on a single worksheet, which is named *Sheet1*.

- c. A **Report Results Filters** group box is displayed in the upper portion of the page, containing fields whose selections will filter the results of the report.
 - i. A **Complex** drop-down list is displayed at upper-left of the group box.
 - A. Available selections are as follows:
 1. *[None]*
 2. <all complexes to which the current user has access, listed alphabetically by complex name>
 - B. The complex specified in the fund selection bar at the time the page is opened is selected by default.
 - C. If no complex is specified (i.e., if the **Reset Fund Selection** button had been clicked, clearing the fund selection bar altogether), *[None]* is the default selection when the page is opened.
 - D. If the user changes one or more selections in the fund selection bar while the page is open, the selections in the **Report Results Filters** group box will not be updated to reflect them.
 - ii. A **Fund Group** drop-down list is displayed beneath the **Complex** drop-down list.
 - A. Available selections are as follows:
 1. *[None]*
 2. <all fund groups associated with the specified complex, listed alphabetically by fund group name>

- B. If the value of the **Complex** drop-down list is changed by the user, the **Fund Group** drop-down list will be updated to reflect selections that are associated with the newly-selected complex.
 - C. The fund group specified in the fund selection bar at the time the page is opened is selected by default.
 - D. If no fund group is specified (*i.e.*, if the **Reset Fund Selection** button had been clicked, clearing the fund selection bar altogether, or if either **[Select Group]** or **All Fund Groups** is selected), **[None]** is the default selection when the page is opened.
 - E. If the user changes one or more selections in the fund selection bar while the page is open, the selections in the **Report Results Filters** group box will not be updated to reflect them.
- iii. A **Fund** drop-down list is displayed beneath the **Fund Group** drop-down list.

A. Available selections are as follows:

1. **[None]**
2. <all funds associated with the specified fund group, listed alphabetically by fund name>

Note:

The fund code of each selection is displayed within parentheses after the fund name (e.g., **MyFund (MyFundCode)**).

- B. If the value of the **Complex** drop-down list is changed by the user, the **Fund** drop-down lists will be updated to reflect selections that are associated with the newly-selected complex.
- C. If the value of the **Fund Group** drop-down list is changed by the user, the **Fund** drop-down list will be updated to reflect selections that are associated with the newly-selected fund group.
- D. The fund specified in the fund selection bar at the time the page is opened is selected by default.

- E. If no fund is specified (*i.e.*, if the **Reset Fund Selection** button had been clicked, clearing the fund selection bar altogether, or if either **[Select Fund]** or **All Funds** is selected), **[None]** is the default selection when the page is opened.
 - F. If the user changes one or more selections in the fund selection bar while the page is open, the selections in the **Report Results Filters** group box will not be updated to reflect them.
- iv. A **Project** drop-down list is displayed at right of the **Complex** drop-down list.
 - A. Available selections include all projects in the current environment associated with the specified fund, or with the fund(s) in the specified complex/fund family, for the account period specified in the fund selection bar, listed in ascending order by project name.
 - v. A **Statement Template** drop-down list is displayed beneath the **Project** drop-down list.
 - A. Available selections are as follows:
 1. **[None]**
 2. <all portfolio statement templates associated with the specified project, listed alphabetically by project name>
- d. An **Output Format** drop-down list is displayed at lower-right of the page.
- Note:**
Currently, the only available output format is Excel.
- e. A **Generate output** button is displayed at lower-right of the page, at right of the **Output Format** drop-down list.
 - i. Clicking the button causes a report to be generated according to the specified report results filters.
 - f. When the report is run, the data is filtered according to the specified **Report Results Filters** selections and the resulting report is sent to the Output Queue.
 - i. The Output Queue **Type** value for the output is **Missing Output Settings Report (Excel)**.
 - ii. The Output Queue **For** value for the output is the name of the project.

- g. The report only checks a given template once (*i.e.*, repeat groups and multiple references to a given table are ignored).
 - i. Only tables that are attached to the specified project are considered.
 - ii. Tables inserted into footnotes are not checked.
 - iii. Table inserted into text snippets are not checked.

Note:

If no line items with missing output settings are found in any statement templates, the message (*no line items missing output settings were found*) displays in the output file.

2. An **Output Validation** section was added to the **Output Management** tab of the **Project** page, beneath the existing **Output Document Type** section, under which a series of check box options are displayed (as "children"; indented).
 - a. **Missing Output Settings Report (Excel)**

The screenshot shows the 'Output Management' tab in a web application. At the top, there are navigation tabs: 'Schedules', 'Supporting Documents', 'Production Procedures', and 'Output Management'. Below the tabs, the 'Current Draft Version' is set to 6. The 'Output Document Type' section includes checkboxes for PDF, Word, EDGAR (HTML), Excel, and XBRL. The 'Output Blackline Type' section includes checkboxes for PDF Blackline (Financial), PDF Blackline (Strikethrough), PDF Change Pages Clean, and PDF Change Pages Blackline (Financial). To the right of these are dropdown menus for 'From draft:' (set to 6) and 'To draft:' (set to 5). The 'Output Options' section includes checkboxes for 'Include Bannerline (PDF only)' and 'Hide Bleeds (PDF only)'. The 'Output Validation' section includes checkboxes for 'Missing Output Settings Report (Excel)' and 'Project Output Validation Report (Excel)'. A red arrow points to the 'Missing Output Settings Report (Excel)' checkbox. At the bottom, there are links for 'Select all' and 'Clear all'.

- i. The check box is always enabled (whether or not any **Output Document Type** check boxes are selected).
- ii. If this check box is selected and the **Generate output** button is clicked, a separate request is sent to the Output Queue for a report that lists line items in the current project's portfolio statements for which no output settings are specified.

- iii. All missing output settings report requests will only return to the Output Queue; the requests will not be stored as part of the project on the *Drafts* tab.

Process Changes

No changes to current processes are required.

7. Export/Import/Copy document structure templates

Overview

Users now have the ability to use an existing document structure template as the basis for a new template. Existing document structure templates can be directly copied within the same FundSuiteArc environment or exported to a file that can be imported to a different environment.

What's New

1. An **Export document structure template** button was added at lower-right of the **Document Structure Templates** page.
 - a. When the user clicks the export button, a pop-up confirmation dialogue displays, asking whether they wish to export an XML file containing information and settings associated with the currently-selected document structure template (this XML file can be subsequently imported to create a new document structure template, if desired).
 - i. If the user clicks the **Yes** button on the dialogue, a second message displays, informing them that the request has been sent to the Output Queue, where the file can be retrieved once the export is complete.

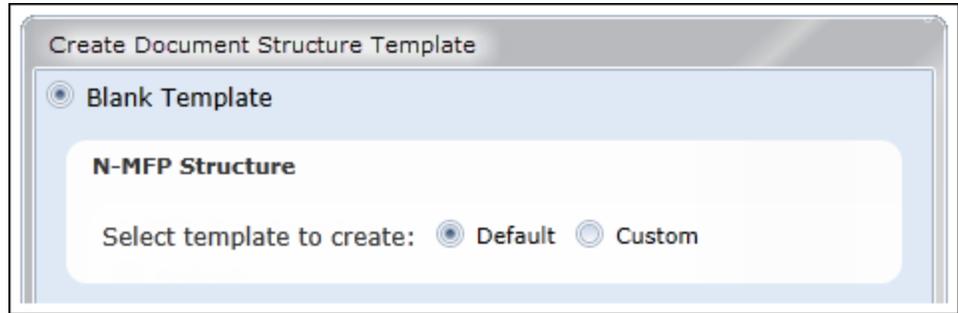
Note:

This button is only enabled when a template is selected in the **Listing** pane of the page.

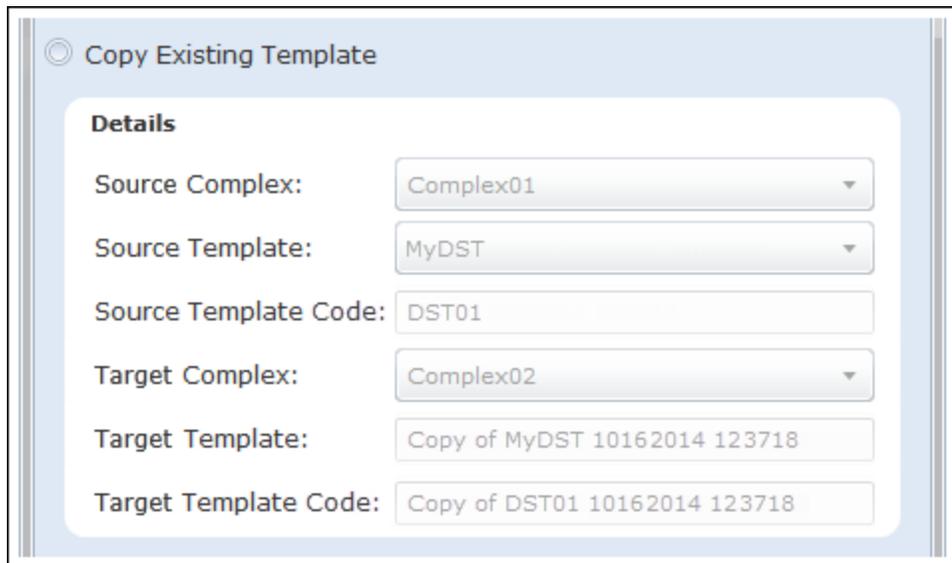
2. Functionality associated with the existing **Add** button at lower-right of the **Document Structure Templates** page was enhanced to offer users the option to create a new, blank template (existing functionality) or to create a new template by copying or importing the settings of an existing template.
 - a. A **Create Document Structure Template** dialogue now displays when a users clicks the **Add** button.
 - i. A **Blank Template** option button displays at the top of the dialogue.



- A. This is the default selection when the dialogue opens.
- B. The user can specify whether to create a *Default* or *Custom* N-MFP structure, when this option is selected.



- C. A new, blank template is created if the user selects this option and then clicks the *Accept* button at lower-right of the dialogue.
- ii. A *Copy Existing Template* option button displays beneath the *Blank Template* option button.



- A. The user specifies the complex with which the document structure template to be copied is associated using the *Source Complex* drop-down list.
 1. Available selections include all complexes to which the current user has access.

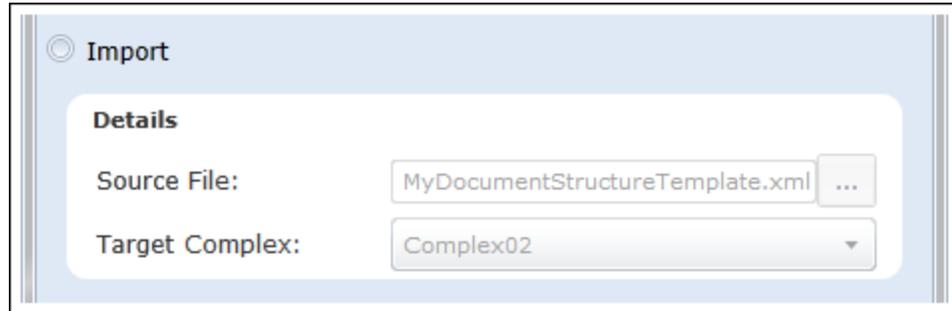
- B. The user specifies the document structure template to be copied via the **Source Template** drop-down list.
- C. The user specifies the complex with which the new document structure template will be associated using the **Target Complex** drop-down list.
 - 1. Available selections include all complexes to which the current user has access.
- D. The user designates a name for the new document structure template in the **Target Template** text box.
 - 1. By default, the text box is populated with the string *Copy of <CopiedTemplateName> <CurrentDate> <CurrentTime>*.
 - 2. Users may modify the name either before clicking the **Accept** button on the dialogue, or at any time after template creation.

Note:

The template name must be unique among all templates associated with the specified **Target Complex**.

- E. The user designates a code for the new document structure template in the **Target Template Code** text box.
 - 1. By default, the text box is populated with the string *Copy of <CopiedTemplateCode> <CurrentDate> <CurrentTime>*.
 - 2. Users may modify the code either before clicking the **Accept** button on the dialogue, or at any time after template creation.
- Note:**
The template code must be unique among all templates associated with the specified **Target Complex**.
- F. A new template, based on the specified **Source Template**, is created if the user selects this option and then clicks the **Accept** button at lower-right of the dialogue.
 - 1. Users may modify the properties of the new template at any time after its creation.

- iii. An **Import** option button displays beneath the **Copy Existing Template** option button.



- A. The user selects an XML file (previously exported from FundSuiteArc) containing settings for the document structure template to import via the **Browse** button at right of the **Source File** text box.
- B. A **Target Complex** drop-down list is displayed beneath the **Source File** text box.
1. Available selections include all complexes to which the current user has access.
- C. A new template, based on settings in the specified XML **Source File**, is created if the user selects this option and then clicks the **Accept** button at lower-right of the dialogue.
1. By default, the **Template Name** value of the new template will be *Import of <ImportedTemplateName> <CurrentDate> <CurrentTime>*.
 2. By default, the **Code** value of the new template will be *Import of <ImportedTemplateCode> <CurrentDate> <CurrentTime>*.
 3. Users may modify the properties of the new template at any time after its creation.

Note:

The template name and code, respectively, must be unique among all templates associated with the specified **Target Complex**.

Process Changes

No changes to current processes are required.

8. Project page tree view behavior enhancements

Overview

The tree view on the **Contents** tab of the **Project Templates** page was enhanced to keep the vertical scroll bar from jumping to the top when a user accesses features in other portions of the **Contents** tab, or functionality that exists on other tabs of **Project Templates** page.

What's New

The viewable area of the tree view will remain static (*i.e.*, the tree view contents will not "jump" or be scrolled), and the respective expanded/collapsed state of all tree view nodes will remain unchanged, when any of the following actions is carried out:

1. General:
 - a. The **Save** button is clicked.
2. **Project Content** pane:
 - a. A chapter or section in the tree view is expanded or collapsed.
3. **Components** tab:
 - a. The tab is clicked/opened.
 - b. The **Unlink All Components** button is clicked.
 - c. The **Refresh** button is clicked.
 - d. An export button is clicked.
4. **Supporting Schedules** tab:
 - a. The tab is clicked/opened.
 - b. The **View Proofs** link is clicked.
 - c. The **View Reasonability Checks** link is clicked.
 - d. The **Export data** button is clicked.

5. **Supporting Documents** tab:
 - a. The tab is clicked/opened.
 - b. The **Add new item to grid** button is clicked.
 - c. The **Remove item from grid** button is clicked.
 - d. The **Export data** button is clicked.
6. **Production Procedures** tab:
 - a. The tab is clicked/opened.
 - b. The **Add new item to grid** button is clicked.
 - c. The **Remove item from grid** button is clicked.
 - d. The **Export data** button is clicked.
7. **Output Management** tab:
 - a. The tab is clicked/opened.
 - b. The **Generate output** button is clicked.
 - c. The **Project Excel Export** button is clicked.
8. **Drafts** tab:
 - a. The tab is clicked/opened.
 - b. The **View Output** button is clicked.
 - c. The **View Message** button is clicked.
 - d. The **Save Output** button is clicked.
 - e. The **Export data** button is clicked.

Process Changes

No changes to current processes are required.

9. Project Templates page tree view behavior enhancements

Overview

The tree view on the **Contents** tab of the **Project Templates** page was enhanced to keep the vertical scroll bar from jumping to the top when a user accesses features in other portions of the **Contents** tab, or functionality that exists on other tabs of **Project Templates** page.

What's New

The viewable area of the tree view will remain static (*i.e.*, the tree view contents will not "jump" or be scrolled), and the respective expanded/collapsed state of all tree view nodes will remain unchanged, when any of the following actions is carried out:

1. **Contents** tab:
 - a. The tab is clicked/re-opened after navigation to another tab on the page.
 - b. The **Export project template setup** button is clicked.
2. **Chapter Detail** sub-tab:
 - a. Any control on the tab is selected, cleared, clicked, etc.
3. **Suppression** sub-tab:
 - a. Any control on the tab is selected, cleared, clicked, etc.
4. **Reporting** tab, **Settings** tab, **Funds** tab, **Output Management** tab, and **Administration** tab:
 - a. The tab is clicked/opened.

Process Changes

No changes to current processes are required.

10. Support for special characters in data import and export

Overview

The properties of certain database fields were enhanced to support a specific set of ASCII and non-ASCII characters, codes, symbols and signs (see **Appendix A: Special Character Support** on page 99 of this document for full list of characters). Where possible, related application user interfaces and processes (e.g., data import, project preview and output, report export, etc.) were updated to support this new functionality.

What's New

1. Properties of the following database fields were enhanced to support special characters:
 - a. *SecurityName*
 - b. *SecurityBalanceDescription11*
 - c. *SecurityBalanceDescription12*
 - d. *SecurityBalanceDescription13*
 - e. *SecurityBalanceDescription14*
 - f. *SecurityBalanceDescription15*
 - g. *SecurityBalanceDescription16*
 - h. *SecurityBalanceDescription17*
 - i. *SecurityBalanceDescription18*
 - j. *SecurityBalanceDescription19*
 - k. *SecurityBalanceDescription20*
 - l. *SecurityCaptionDescription1*
 - m. *SecurityCaptionDescription2*
 - n. *SecurityCaptionDescription3*
 - o. *SecurityCaptionDescription4*

- p. **SecurityCaptionDescription5**
 - q. **SecurityCaptionDescription6**
 - r. **SecurityCaptionDescription7**
 - s. **SecurityCaptionDescription8**
 - t. **SecurityCaptionDescription9**
 - u. **SecurityCaptionDescription10**
2. The following areas of the FundSuiteArc user interface support the aforementioned fields:
- a. **Filings Workspace** tab
 - i. **Fund Holdings** page
 - ii. **Global Holdings Review** page
 - iii. **Holdings Data Extract** page
 - iv. **N-MFP Project** page
 - v. **New Securities Report** page
 - vi. **Same Security Prior Period Report** page
 - vii. **Securities Audit Report** page
 - b. **Administration** tab
 - i. **Security Libraries** page

Additional Information

Certain special characters loaded into FundSuiteArc may not be supported by standard font packages in output. Due to design limitations, special character functionality is only supported in all instances mentioned in this document by the *Times New Roman* font. Any questions with regard to this enhancement and its limitations should be directed to your RRD Client Services representative.

Process Changes

No changes to current processes are required.

11. Project Template Audit Report

Overview

A Project Template Audit Report is now available that provides users with details of the changes made to project templates. This standalone report is accessible via the **Reports** menu section on the **Administration** tab. A button to navigate directly to the report is also now available on the **Project Templates** page.

What's New

1. A new **Project Template Audit Report** page was added to FundSuiteArc, through which users can generate a listing of all changes made to project templates. The report is accessed via a new menu item of the same name, under the **Reports** menu section on the **Administration** tab.

Note:

The new *Open Project Template Audit Report Page (ArcFiling)* user right is required to open the **Project Template Audit Report** page (the *Project Template Audit Report* menu item is disabled if the right is not assigned to the current user).

- a. Users can narrow report results by any of the following filters in the **Report Result Filters** section at the top of the page:
 - i. **Complex**
 - A. The drop-down list contains all complexes to which the current user has access, and the selection defaults to the first complex (alphabetically) in the list.

Note:

When the page is opened via the **Project template audit report** button on the **Project Templates** page, the complex associated with that project template is selected by default.

ii. *Project Template*

- A. The drop-down list contains all project templates associated with the selected complex.

Note:

When the page is opened via the *Project template audit report* button on the **Project Templates** page, that project template is selected by default.

iii. *Audit Type*

- A. The audit type identifies the area in which the addition or edit took place.

- B. The following are possible audit types on which the user can filter:

1. *[All]* (default selection when the page is opened)
2. *Contents*
3. *Funds*
4. *Output Management*
5. *Production Procedures*
6. *Reporting*
7. *Template Detail*

iv. *Item Type*

- A. The item type further identifies the area in which the addition or edit took place.

- B. The following are possible item types on which the use can filter:

1. *[All]* (default selection when the page is opened)
2. *Chapter Detail*
3. *Document Structure Templates*
4. *Funds To Use*
5. *Item Detail*
6. *Output Media and Style Sheets*

7. *Prelims*8. *Section Detail*v. *Editing User*vi. *From Date*vii. *To Date*

- b. Once the user sets the desired filter(s), they can export the report by clicking the export button (📄) at lower-right of the page.

Note:

Currently, the only available output format is Excel.

- c. When the user clicks the export button, a pop-up confirmation dialogue displays, asking whether they wish to generate a report based on the specified filter set.
- i. If the user clicks the **Yes** button on the dialogue, a second message displays, informing them that the request has been sent to the Output Queue, where the report can be retrieved once the export is complete.
- d. Once the export is complete, the user can retrieve the file from the Output Queue and download it for viewing.

Note:

The results are only returned via the Excel file in the Output Queue; they are not displayed on the **Project Template Audit Report** page.

- i. The Excel report contains a header showing which filters were selected:
 - A. **Report Date**
 - 1. Displays the date and time the audit report was run.
 - B. **Generated By**
 - 1. Displays the name of the user who ran the audit report.
 - C. **Complex**
 - 1. Displays the name of the selected complex.

D. **Project Template**

1. Displays either the name of the selected project template or *[None]* if one was not selected.

E. **Audit Type**

1. Displays either the name of the selected audit type or *[All]* if one was not selected.

F. **Item Type**

1. Displays either the name of the selected item type or *[All]* if one was not selected.

G. **Editing User**

1. Displays either the name of the selected editing user or *[Unassigned]* if one was not selected.

H. **From Date**

1. Either displays the specified **From Date**, or the cell is blank if no date was specified.

I. **To Date**

1. Either displays the specified **To Date**, or the cell is blank if no date was specified.

ii. The following columns display beneath the report header, containing the report results:

A. **Complex**

1. Displays the name of the complex with which the change is associated.

B. **Project Template**

1. Displays the name of the project template with which the change is associated.

C. **Date/Time**

1. Displays the date and time at which the change was made in *mm/dd/yyyy hh:mm:ss AM/PM* format.

D. **Editing User**

1. Displays the name of the person who effected the change in *Last Name, First Name* format.

E. **Audit Type**

1. Displays the audit type of the change.
2. Possible values for this column are the following:
 - a. *Contents*
 - i. This audit type displays for any change made to the **Contents** tab.
 - b. *Funds*
 - i. This audit type displays for any change made to the **Funds** tab.
 - c. *Output Management*
 - i. This audit type displays for any change made to the **Output Management** tab.
 - d. *Production Procedures*
 - i. This audit type displays for any change made to the **Production Procedures** tab.
 - e. *Reporting*
 - i. This audit type displays for any change made to the **Reporting** tab.
 - f. *Template Detail*
 - i. This audit type displays for any change to the **Template Name** or **Description** settings for a given template.

F. *Item Type*

1. Displays the type of action represented by the change.
2. When the audit type is *Contents*, possible values for this column are the following:
 - a. *Chapter Detail*
 - b. *Item Detail*
 - c. *Section Detail*
3. When the audit type is *Funds*, the value for this column is:
 - a. *Funds To Use*
4. When the audit type is *Output Management*, the value for this column is:
 - a. *Output Media and Style Sheets*
5. When the audit type is *Production Procedures*, the value for this column is:
 - a. [no corresponding sub types exist for this item type]
6. When the audit type is *Reporting*, the value for this column is:
 - a. *Prelims*
7. When the audit type is *Settings*, the value for this column is:
 - a. *Document Structure Templates*
8. When the audit type is *Template Detail*, the value for this column is:
 - a. *Template*

G. *Sub Type*

1. Displays the action sub type represented by the change.

Note:

There is not always a direct relationship between item type and sub type; in some instances, as noted below, the relationship is directly between audit type

and sub type.

2. When the audit type is *Output Management*, the value for this column is:
 - a. *Project Code*
3. When the audit type is *Production Procedures*, possible values for this column are the following:
 - a. *Production Procedure (Added)*
 - b. *Production Procedure (Removed)*
4. When the audit type is *Reporting*, possible values for this column are the following:
 - a. *Activated*
 - b. *Balance Type*
 - c. *Deactivated*
 - d. *Template is currently:*
5. When the item type is *Prelims*, possible values for this column are the following:
 - a. *This template also produces prelims:*
 - b. *Days prior to the regular reporting cycle(s):*
6. When the item type is *Document Structure Templates*, the value for this column is:
 - a. *Quarterly*
7. When the item type is *Funds To Use*, possible values for this column are the following:
 - a. *Funds using this template (after)*
 - b. *Funds using this template (before)*

8. When the item type is *Chapter Detail*, possible values for this column are the following:
 - a. *Publishing Template*
 - b. *Squeeze content in chapter*
9. When the item type is *Section Detail*, possible values for this column are the following:
 - a. *Page Break before section*
 - b. *Publishing Template*
10. When the item type is *Item Detail*, possible values for this column are the following:
 - a. *Advanced Suppression*
 - b. *Funds to Display*
 - c. *Image Library*
 - d. *Image Library Item*
 - e. *Portfolio Statement Template*
 - f. *Tabular Data Definition*
 - g. *Text Snippet*
 - h. *Text Snippet Library*
 - i. *Text Snippet Option*
11. When the item type is *Output Media and Style Sheets*, possible values for this column are the following:
 - a. *EDGAR (HTML)*
 - b. *Excel*
 - c. *Monthly (EDGAR (HTML))*

- d. *Monthly (Excel)*
- e. *Monthly (PDF)*
- f. *Monthly (Word)*
- g. *Monthly (XBRL)*
- h. *Other (EDGAR (HTML))*
- i. *Other (Excel)*
- j. *Other (PDF)*
- k. *Other (Word)*
- l. *Other (XBRL)*
- m. *PDF*
- n. *Word*
- o. *XBRL*

Note:

- If a given output format check box is cleared, the **Before** column will be populated with *True*, and the **After** column will be populated with *False*.
- If an output format check box is selected, the frequency and type of output format are appended to the value in the **Sub Type** column.
- The style sheet name is appended to the value in the **After** column, as long as the user clicked the **Save** button after selecting the output format check box, and then clicked the **Save** button again after they specified the associated style sheet.
 - When a user selects an output format check box and designates an associated style sheet, but only clicks the **Save** button after specifying the style sheet, the report returns only a value of *True* in the **After** column, but not the name of the associated style sheet.

H. **Before**

1. Displays the value of the item before the change was effected.
2. Records will return different results based on the type of item.
3. General rule: If the item did not previously exist, do not return a result in the **Before** column (*i.e.*, return a blank cell).

I. **After**

1. Displays the value of the item after the change was effected.
2. Records will return different results based on the type of item.
3. General rule: If the item existed before the change was effected, and the change deleted/removed information so that the item no longer exists, do not return a result in the **After** column (*i.e.*, return a blank cell).

2. A button to open the Project Template Audit Report () was added at lower-right of the **Project Templates** page.

Note:

The new *Open Project Template Audit Report Page (ArcFiling)* user right is required to use this button. If a user does not have this right, an **Insufficient Rights** pop-up dialogue displays when the button is clicked (and the report page will not open).

- a. Clicking the button causes the new **Project Template Audit Report** page to open.
 - i. When the page is opened, the **Complex** and **Project Template** drop-down lists in the **Report Result Filters** group box will be pre-populated to reflect the properties of the currently-selected project template.

Additional Information

Administration tab changes (*i.e.*, use of the **Push out changes to projects based on this template** functionality, and whether a template is either *In Sync* or *Out of Sync*) are tracked in the system Event Log; not the Project Template Audit Report.

Process Changes

No changes to current processes are required.

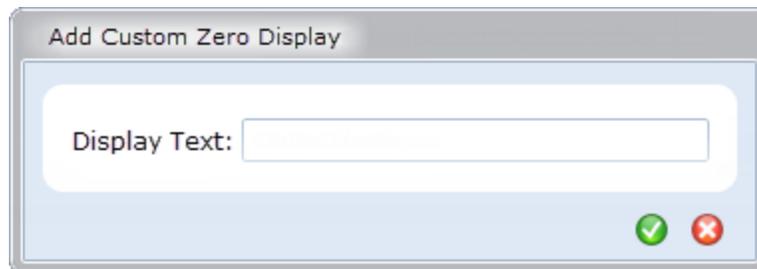
12. Custom zero display output settings

Overview

Users now have the ability to customise the output display of zero and rounded-to-zero numeric values on custom data points, financial, portfolio and tabular data templates.

What's New

1. A **Custom Zero Display** check box and associated link are now displayed beneath the **Zero Display** drop-down list on the **Format Items** tab (numeric data points only) of the **Portfolio Statement Template Output Settings** page.
 - a. The check box is cleared by default (*i.e.*, custom zero display is turned off) for any newly-mapped item.
 - b. Selecting the check box causes custom zero display to be turned on for the current item.
 - c. The text of the link is **Custom Zero Display** by default for any newly-mapped item.
 - i. The link is disabled (*i.e.*, it cannot be clicked) unless the **Custom Zero Display** check box is selected.
 - ii. Clicking the link causes the **Add Custom Zero Display** dialogue to display.



- A. A **Display Text** text box is displayed at the top of the group box.
 1. The maximum character limit for the field is 64.

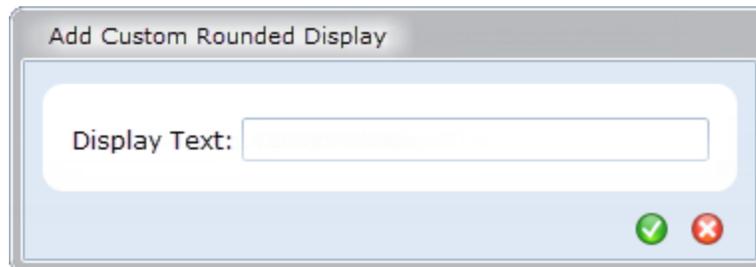
- B. The value specified in the **Display Text** text box is appended to the custom zero display link text, separated by a colon and a space, as follows:

Custom Zero Display: <value of 'Display Text' text box>

Example:

Custom Zero Display: Nil

- C. The value specified in the **Display Text** text box will be used as the display value for the selected line item in statement output when the line item's value is zero.
- D. When the **Custom Zero Display** check box is cleared, the current link text is retained (not reset to *Custom Zero Display*).
2. A **Custom Rounded Display** check box and associated link are now displayed beneath the **Rounded to Zero Display** drop-down list on the **Format Items** tab (numeric data points only) of the **Portfolio Statement Template Output Settings** page.
- The check box is cleared by default (*i.e.*, custom rounded to zero display is turned off) for any newly-mapped item.
 - Selecting the check box causes custom rounded to zero display to be turned on for the current item.
 - The text of the link is *Custom Rounded Display* by default for any newly-mapped item.
 - The link is disabled (*i.e.*, it cannot be clicked) unless the **Custom Rounded Display** check box is selected.
 - Clicking the link causes the **Add Custom Rounded Display** dialogue to display.



- A. A **Display Text** text box is displayed at the top of the group box.
- The maximum character limit for the field is 64.

- B. The value specified in the **Display Text** text box is appended to the custom zero display link text, separated by a colon and a space, as follows:

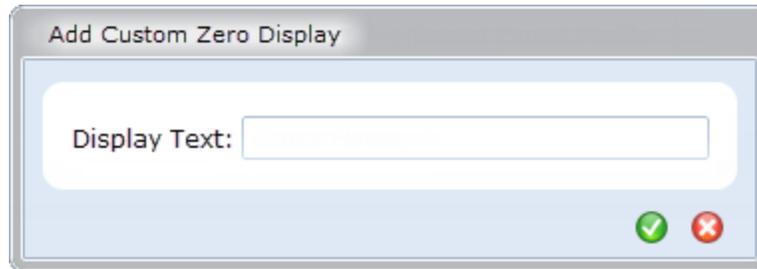
Custom Zero Display: <value of 'Display Text' text box>

Example:

Custom Zero Display: Nil

- C. The value specified in the **Display Text** text box will be used as the display value for the selected line item in statement output when the line item's value is zero.
- D. When the **Custom Zero Display** check box is cleared, the current link text is retained (not reset to *Custom Zero Display*).
3. A **Custom Zero Display** check box and associated link are now displayed beneath the **Zero Display** drop-down list on the **Format Items** tab (numeric data points only) of the **Tabular Data Template Output Settings** page.
- These settings exist for the following item types:
 - Section total or sub-section totals
 - Exchange rate items
 - The check box is cleared by default (*i.e.*, custom zero display is turned off) for any newly-mapped item.
 - Selecting the check box causes custom zero display to be turned on for the current item.
 - The text of the link is *Custom Zero Display* by default for any newly-mapped item.
 - The link is disabled (*i.e.*, it cannot be clicked) unless the **Custom Zero Display** check box is selected.

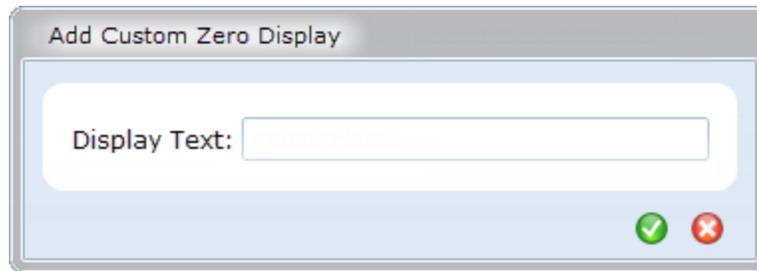
- ii. Clicking the link causes the **Add Custom Zero Display** dialogue to display.



- A. A **Display Text** text box is displayed at the top of the group box.
 1. The maximum character limit for the field is 64.
 - B. The value specified in the **Display Text** text box is appended to the custom zero display link text, separated by a colon and a space, as follows:

Custom Zero Display: <value of 'Display Text' text box>
- Example:**
Custom Zero Display: Nil
- C. The value specified in the **Display Text** text box will be used as the display value for the selected item in table output when the item's value is zero.
 - D. When the **Custom Zero Display** check box is cleared, the current link text is retained (not reset to *Custom Zero Display*).
4. A **Custom Zero Display** check box and associated link are now displayed beneath the **Zero Display** drop-down list on the **Format Items** tab (numeric data points only) of the **Custom Data Points Library** page.
 - a. These settings exist for the following item types:
 - i. Class balance data
 - ii. Exchange rate items
 - b. The check box is cleared by default (*i.e.*, custom zero display is turned off) for any newly-mapped item.
 - c. Selecting the check box causes custom zero display to be turned on for the current item.

- d. The text of the link is *Custom Zero Display* by default for any newly-mapped item.
 - i. The link is disabled (*i.e.*, it cannot be clicked) unless the **Custom Zero Display** check box is selected.
 - ii. Clicking the link causes the **Add Custom Zero Display** dialogue to display.



- A. A **Display Text** text box is displayed at the top of the group box.
 1. The maximum character limit for the field is 64.
 - B. The value specified in the **Display Text** text box is appended to the custom zero display link text, separated by a colon and a space, as follows:
Custom Zero Display: <value of 'Display Text' text box>
- Example:**
Custom Zero Display: Nil
- C. The value specified in the **Display Text** text box will be used as the display value for the selected item in project output when the item's value is zero.
 - D. When the **Custom Zero Display** check box is cleared, the current link text is retained (not reset to *Custom Zero Display*).

Note:

These settings are valid for both conditional return (system data points) and non-conditional return values.

Additional Information

Both **Custom Zero Display** and **Custom Rounded Display** will support a specific set of ASCII and non-ASCII characters, codes, symbols and signs (see **Appendix A: Special Character Support** on page 99 of this document for full list).

- Supported characters will be contained appropriately within the XML code produced by FundSuiteArc, and rendered through the output template.
- Not all fonts natively support all ASCII and non-ASCII characters, codes, symbols and signs. When dealing with these characters, it is advised that you speak to your local RR Donnelley representative to ensure these will be supported by the output font being used by the template.

Process Changes

No changes to current processes are required.

13. Enhanced roll-forward behavior for "Repurchase Agreement" and "Other" investment types

Overview

In previous versions of FundSuiteArc, the categorization logic for securities with an investment type of *Repurchase Agreement* or *Other* was designed to not roll forward existing categorization from the previous period under any circumstance. In order for securities of these investment types to be categorized, a Holdings data import file was required to contain valid categorization records for the securities. Users can now specify certain load options to ensure the categorization of *Repurchase Agreement* or *Other* securities.

What's New

Behavior in the Holdings dataload/data import was enhanced such that the categorization for securities classified with an investment type of *Repurchase Agreement* or *Other* will roll forward, when a categorization load option of either *Never Overwrite* or *Overwrite if Previously Uncategorized* is specified.

Process Changes

No changes to current processes are required.

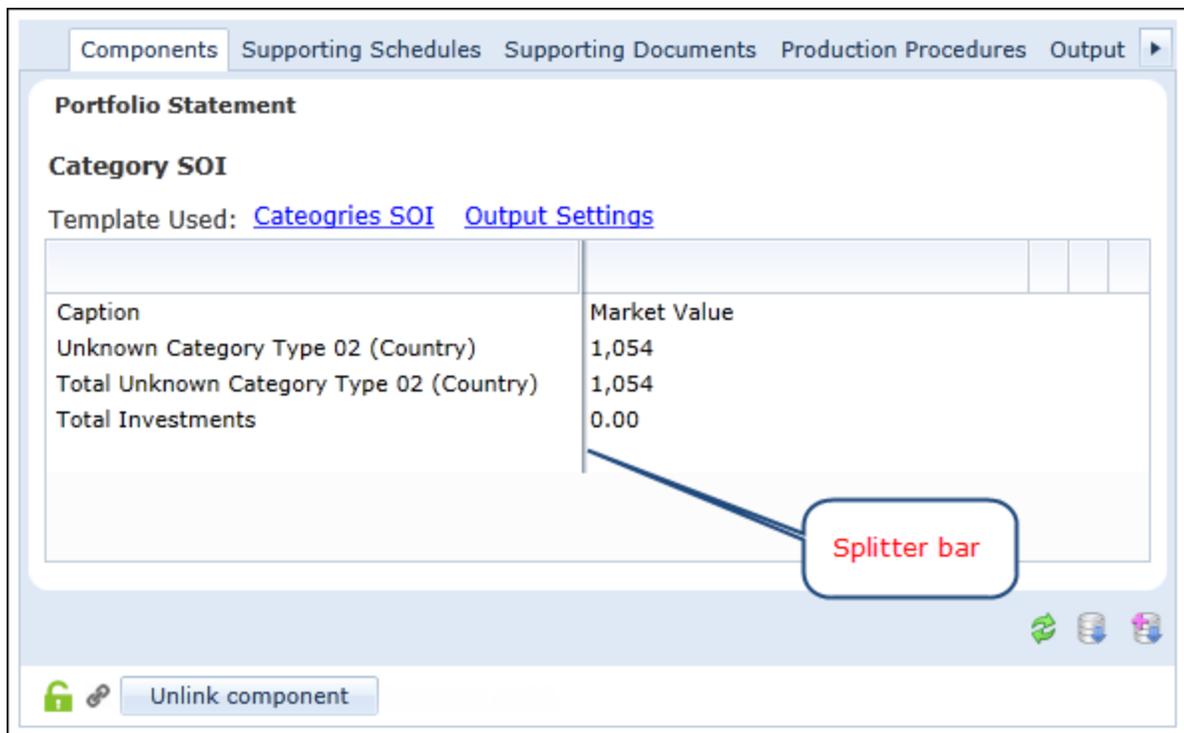
14. Ability to freeze columns in tabular data and portfolio statement preview

Overview

Data grids on the **Components** tab of the **Project** page were enhanced to display a fixed leftmost column by default. Users can drag the grid's splitter bar to include other columns in the fixed region, as well.

What's New

1. When the **Project** page is opened, the tab **Components** tab is clicked and a portfolio statement is selected in the tree view, a vertical splitter bar is positioned by default over the line dividing the first and second columns of the grid.



- a. Users can grab the splitter bar and move it over the line dividing any two columns of the grid.
 - b. The splitter bar is reset to the default position under any of the following circumstances (in general terms, whenever the grid is rebuilt):
 - i. The page is closed, then subsequently re-opened.
 - ii. The **Project** drop-down list selection is changed.
 - iii. The **Refresh** button is clicked.
 - iv. Any selection in the fund selection bar is changed.
2. When the **Project** page is opened, the tab **Components** tab is clicked and a tabular data component is selected in the tree view, a vertical splitter bar is positioned by default over the line dividing the first and second columns of the grid.
- a. Users can grab the splitter bar and move it over the line dividing any two columns of the grid.
 - b. The splitter bar is reset to the default position under any of the following circumstances (in general terms, whenever the grid is rebuilt):
 - i. The page is closed, then subsequently re-opened.
 - ii. The **Project** drop-down list selection is changed.
 - iii. The **Refresh** button is clicked.
 - iv. Any selection in the fund selection bar is changed.

Additional Information

- The splitter bar in any given grid mentioned in this section will remain in the position set by the user under the following circumstances:
 - The user navigates to any other tab of a given page.
 - The user leaves the current page open, navigates to any other page in any module of FundSuiteArc, and then returns to the initial page.
- The presence of one or more spanned cells in a given grid will disable the splitter bar functionality altogether (*i.e.*, the bar will be absent from the grid).

Process Changes

No changes to current processes are required.

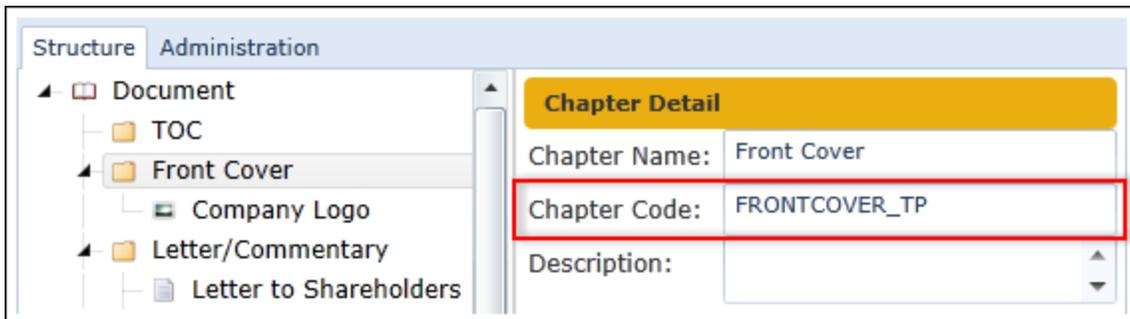
15. Document structure template "Chapter Code" and "Section Code" are now required fields

Overview

With an aim to reduce the number of variables that may cause errors in project setup, and therefore prevent the generation of project output, each chapter and section within a given document structure template must now have a unique code among other chapters/sections in that template.

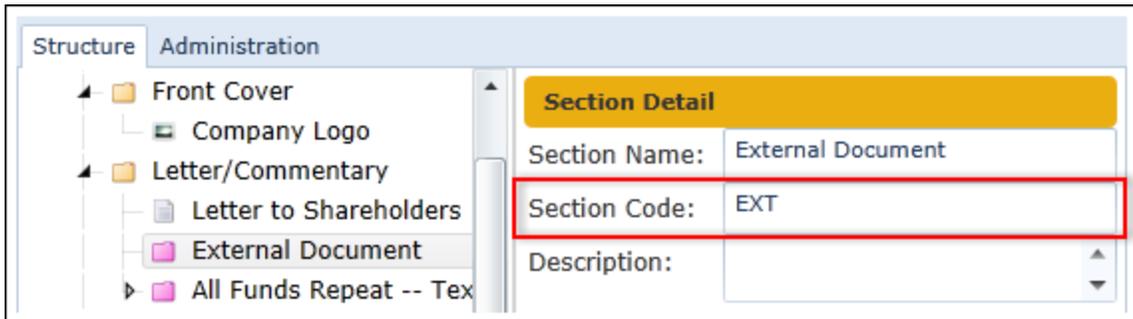
What's New

1. A value is now required for the existing **Chapter Code** text box on the **Structure** tab of the **Document Structure Templates** page.



- a. The value specified for a given chapter must be unique within the current document structure template.
- b. For any new document structure template, or existing template where changes are made, users will now receive a pop-up message indicating the need for a unique chapter code if one is not specified at the time they attempt to save changes.

2. A value is now required for the existing **Section Code** text box on the **Structure** tab of the **Document Structure Templates** page.



- a. The value specified for a given section must be unique within the current document structure template.
- b. For any new document structure template, or existing template where changes are made, users will now receive a pop-up message indicating the need for a unique section code if one is not specified at the time they attempt to save changes.

Additional Information

During database update to version 2.2.0, any existing chapter without a code or any existing non-unique section codes will have a unique code programmatically provided via the update script.

Process Changes

No changes to current processes are required.

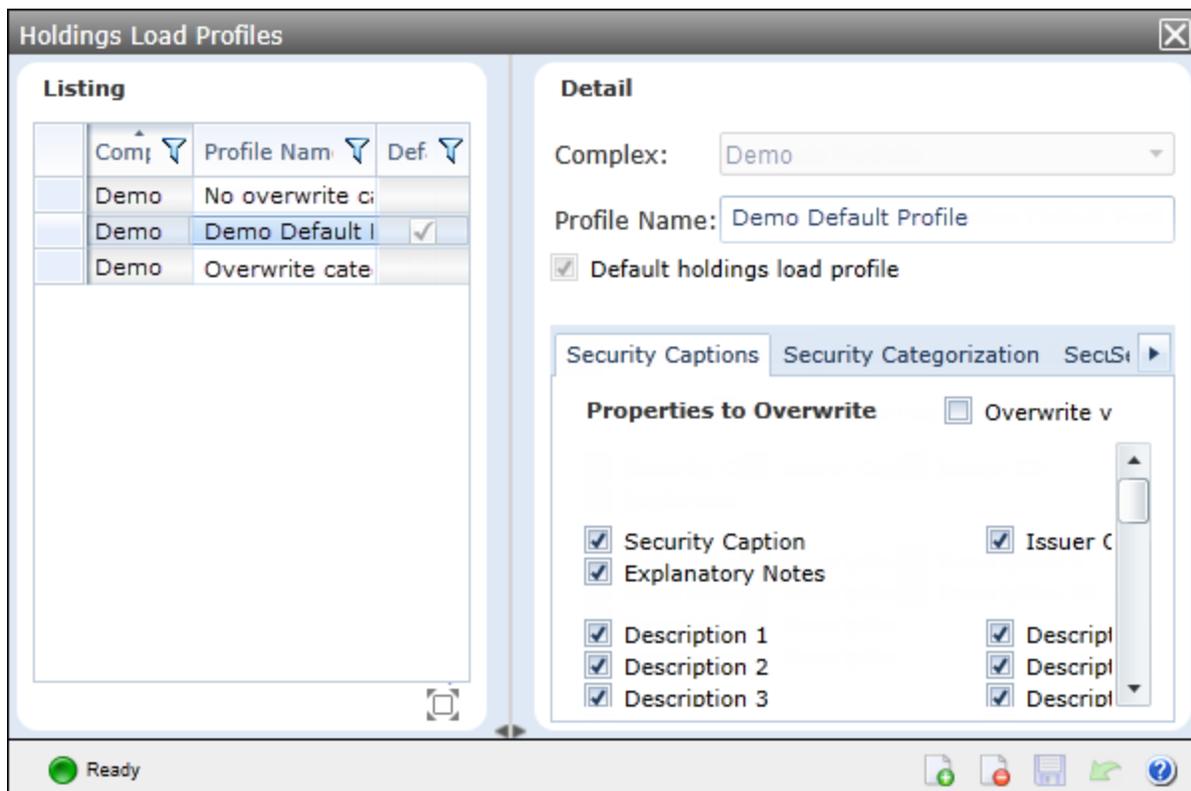
16. Ability to define multiple Holdings load profiles per complex

Overview

Users now have the ability to create multiple holdings load profiles per complex to allow for greater flexibility when loading data via FTP or front-end Excel import. Previous versions of FundSuiteArc allowed for settings to be defined on a single version of the **Holdings Load Options** page, for FTP dataloads only.

What's New

In previous versions of FundSuiteArc, users defined the desired options for Holdings FTP dataloads using the **Holdings Load Options** page. This feature was available at the complex level only, and a only single set of options could be defined at any given time. In version 2.2.0, the **Holdings Load Options** page was renamed as **Holdings Load Profiles**.



Note:

The new *Open Holdings Load Profiles Page (ArcFiling)* user right is required to open the **Holdings Load Profiles** page (the *Holdings Load Profiles* menu item is disabled if the right is not assigned to the current user).

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

- a. A grid is displayed at the top of the group box, with the following columns:

- i. **Complex**

- A. Displays the name of the complex with which the profile is associated, or displays *[None]* if the profile is not associated with a specific complex.

- ii. **Profile Name**

- A. Displays the name of the profile.

Note:

The new *Add/Edit Holdings Load Profiles* user right is required to edit the cell value (the column is disabled if the right is not assigned to the current user).

- iii. **Default**

- A. Displays a (read-only) visual indicator of whether the selected holdings load profile is designated as the default profile for the complex.

- b. When a new complex is created via the **Funds** page, a corresponding row automatically displays in the grid for that complex.

- i. The **Complex** value in the grid and in the drop-down list of the **Detail** pane display the name of the new complex by default.
- ii. The **Profile Name** in the grid and in the text box of the **Detail** pane displays the following by default:

<complex name> Default Profile (e.g., Donnelley Family of Funds Default Profile)

- A. The profile name can be subsequently changed by users, if desired.

- iii. The **Default** column in the grid displays a (read-only) selected check box by default, and the **Default holdings load profile** check box in the **Detail** pane is selected and disabled by default.
2. A **Detail** group box is displayed in the right pane of the page.

Note:

The new *Add/Edit Holdings Load Profiles* user right is required to edit any settings for existing profiles (all controls in the group box are disabled if the right is not assigned to the current user).

- a. A **Complex** drop-down list is displayed at the top of the group box, which represents the name of the complex with which the selected profile is associated.
 - i. If the profile is designated as the default profile for the specified complex (*i.e.*, the **Default holdings load profile** check box is selected), the drop-down list is disabled.
 - ii. If the profile is not designated as the default profile for the specified complex (*i.e.*, the **Default holdings load profile** check box is cleared), the drop-down list is enabled.
 - iii. Available selections are as follows:
 - A. **[None]** (default selection when a profile is manually added via the **Add** button)
 1. If this selection is specified, the load profile is not associated with any given complex. As such, the profile can be used for a push-button data import in association with any complex.
 2. If this selection is specified, the **Default holdings load profile** check box is cleared and disabled for the current record (*i.e.*, the profile cannot be designated as a default load profile).
 - B. <all complexes to which the current user has access, listed alphabetically by complex name>
 1. If a specific complex is selected, the **Default holdings load profile** check box is cleared and enabled for the current record (*i.e.*, the profile may be designated as the default load profile for that complex).
 - iv. At least one profile record must exist in association with each complex defined in the database.

- b. A **Profile Name** text box is displayed beneath the **Complex** drop-down list.
 - i. A value must be specified in the text box and must be unique across all profiles associated with a given complex.
- c. A **Default holdings load profile** check box is displayed beneath the **Profile Name** text box.
 - i. Only one profile record must and can be flagged as the default profile in association with each complex defined in the database.
 - A. When the check box is in a selected state, the settings of the profile will be used by default for FTP holdings dataloads associated with the specified complex when there is no other specific profile designated via the **Fund Report Settings** page for that complex, or for a given fund in that complex.
 - B. The check box is selected and disabled in the following circumstances:
 - 1. When a new complex is created via the **Funds** page.
 - 2. After a user designates the current profile as the default for a given complex by selecting the check box.
 - C. The check box is cleared and disabled in the following circumstance:
 - 1. A selection of *[None]* is specified for the **Complex** drop-down list.
 - D. The check box is cleared and enabled in the following circumstances:
 - 1. A **Complex** is specified in the drop-down list, and another profile associated with that complex is currently designated as the default.
 - 2. Selecting the check box causes the following **Please Confirm** pop-up dialogue to display:

Another holdings load profile associated with the specified complex is designated as the default profile. Setting the current profile as the default will remove that designation from the other profile.

Do you wish to proceed?

- a. Clicking the **Yes** button on the dialogue causes the following to occur:
 - i. The **Default holdings load profile** check box for the current profile record is selected and disabled.
 - ii. The **Default holdings load profile** check box for the profile record previously designated as the default is cleared and enabled.
 - iii. The current profile record is automatically saved.
- b. Clicking the **No** button on the dialogue causes the following to occur:
 - i. The **Default holdings load profile** check box for the current profile record remains cleared and enabled.
 - ii. If the **Save** and **Revert** buttons were disabled (*i.e.*, the page was in a saved state) prior to the user clicking the check box, the buttons remain disabled.
- d. A series of tabs (**Security Captions**, **Security Categorization**, **Security Balance** and **Security Attributes**) is displayed in the lower portion of the group box, which represent overwrite options available for the selected holdings load profile. These are the same options that previously existed on the **Holdings Load Options** page; they continue to behave as in previous releases of FundSuiteArc.
- e. An **Add** button is displayed at lower-right of the page to allow users to create new holdings load profiles in association with a given complex.

Note:

The new **Add/Edit Holdings Load Profiles** user right is required to use the **Add** button (the button is disabled if the right is not assigned to the current user).

- i. Clicking the button causes a new record to be added to the bottom of the grid in the **Listing** group box, and the associated settings to be displayed in the **Detail** group box.
- f. A **Delete** button is displayed at lower-right of the page to allow the user to delete the selected holdings load profile.

Note:

The new **Delete Holdings Load Profiles** user right is required to use the **Delete** button (the button is disabled if the right is not assigned to the current user).

- i. Clicking the button causes the following to occur:
 - A. If the **Default holdings load profile** check box is selected for the current profile, the following **Please Note** pop-up dialogue displays:

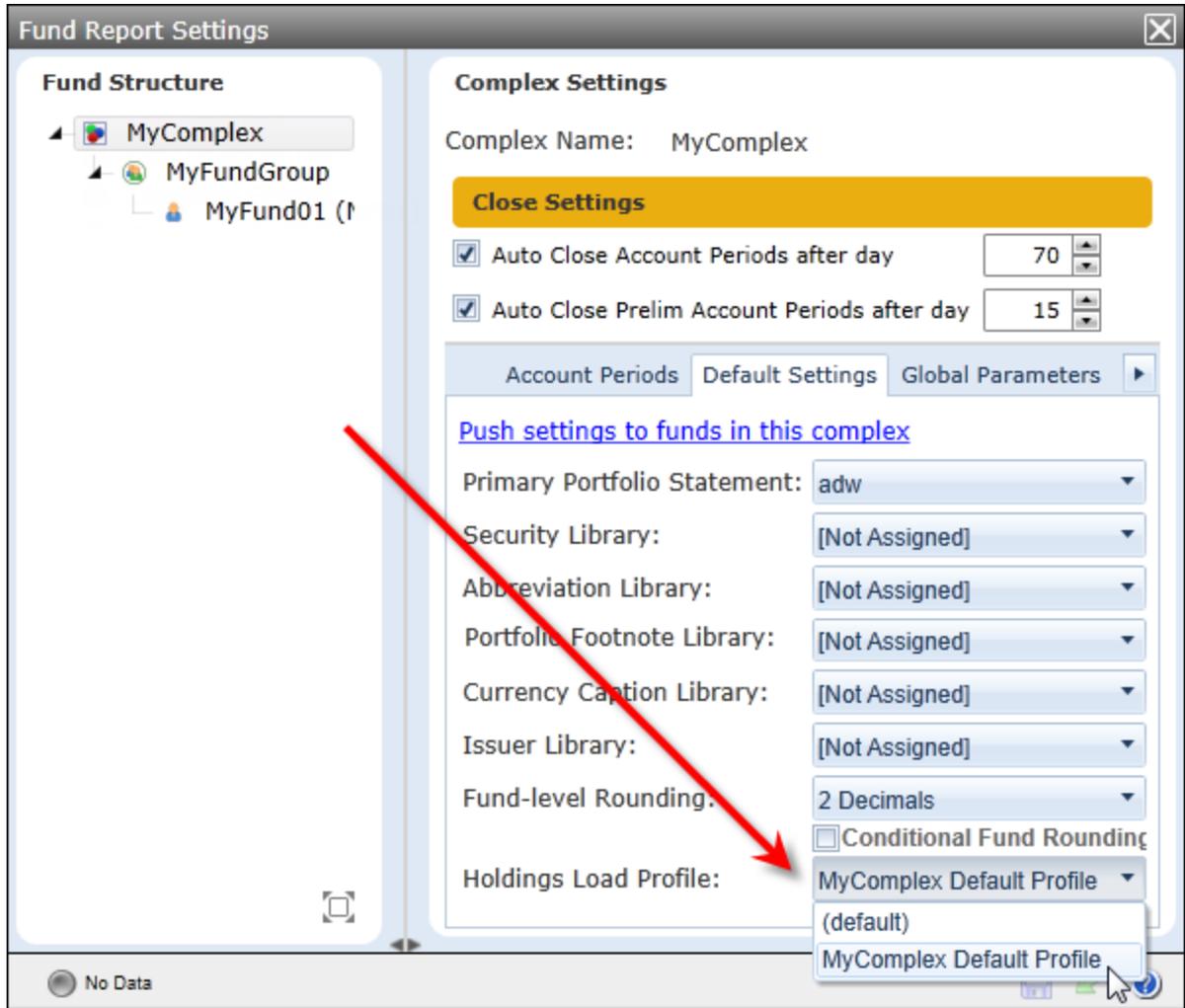
The default holdings load profile for a given complex cannot be deleted.

- 1. Clicking the **OK** button on the dialogue causes the dialogue to close, and the profile will not be deleted. The user must designate another holdings load profile as the default before attempting to delete the current profile.
 - B. If the current holdings load profile is assigned to one or more complexes or funds via settings on the **Fund Report Settings** page, the following pop-up dialogue displays:

*This holdings load profile is designated for use by one or more funds, or as the default profile for funds in one or more complexes. The profile cannot be deleted until it has been unassigned from the applicable area(s) via the **Fund Report Settings** page.*

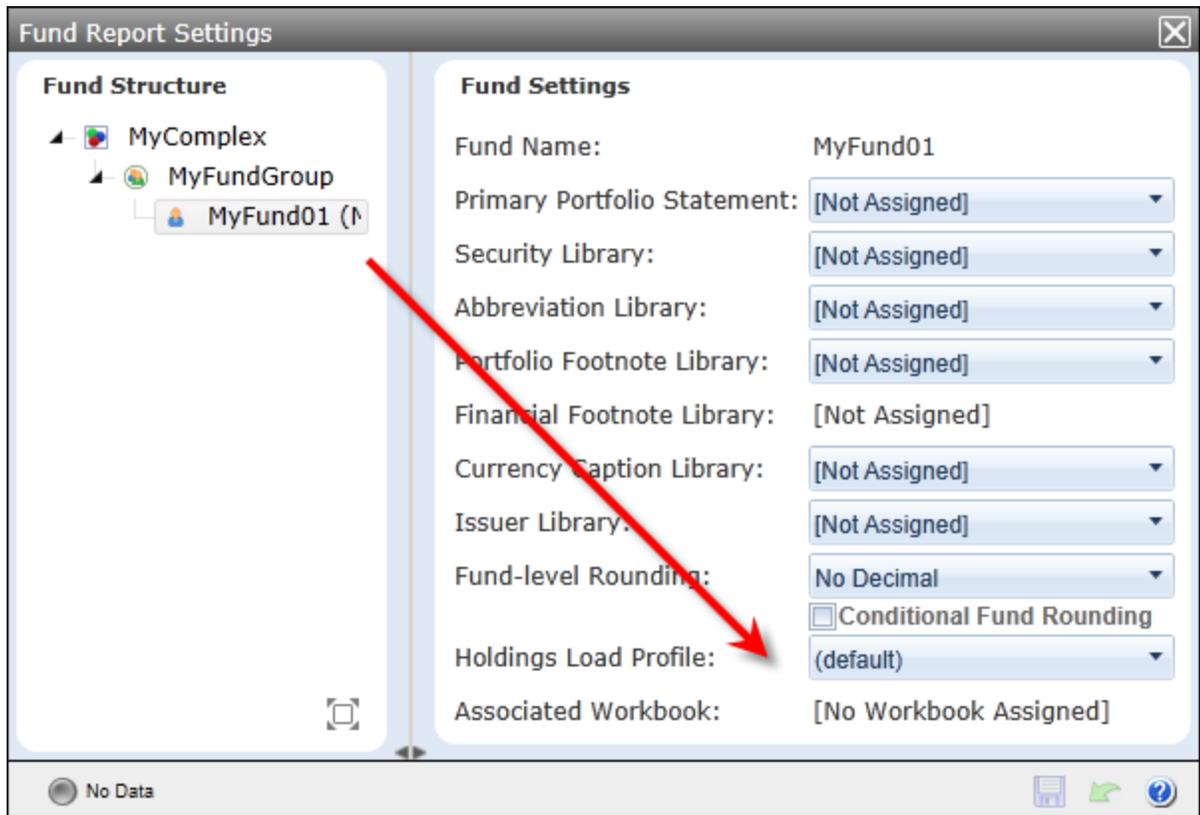
- 1. Clicking the **OK** button on the dialogue causes the dialogue to close, and the profile will not be deleted. The user must remove the assignment of the holdings load profile via the **Fund Report Settings** page before attempting to delete the current profile.

3. Any existing holdings load profile can be applied at the complex level via the **Default Settings** tab of the **Fund Report Settings** page. The default selection of the **Holdings Load Profile** drop-down list on the tab is *(default)*, however users can specify an alternate holdings load profile for the complex using the drop-down list.

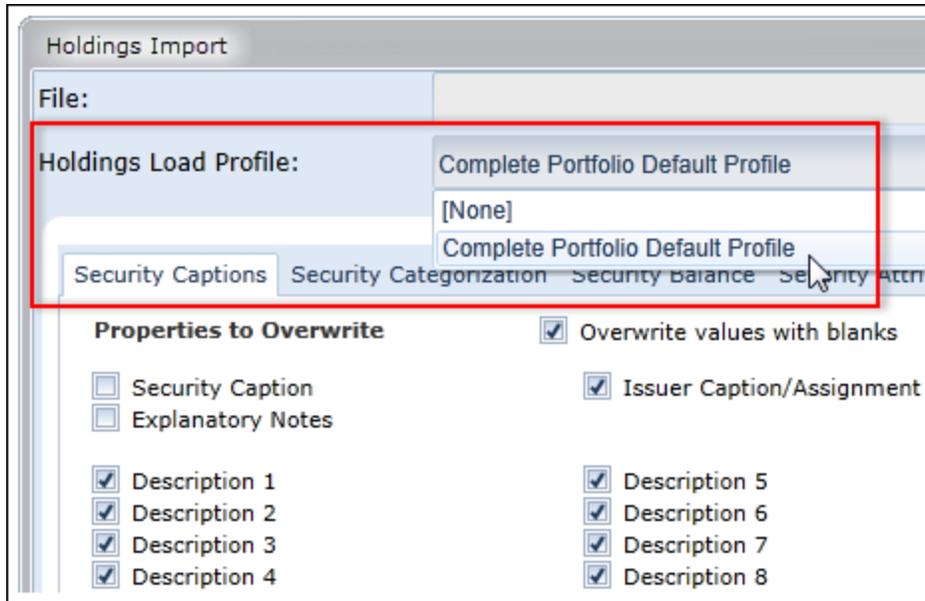


- a. If a holdings load profile is assigned at the complex level for a given complex via the **Fund Report Settings** page, it will be used for FTP dataloads for all funds within that complex.

4. Any existing holdings load profile can be applied at the fund level via the **Fund Report Settings** page. The default selection of the **Holdings Load Profile** drop-down list is *(default)*, however users can specify an alternate holdings load profile for the fund using the drop-down list.



- a. If a holdings load profile is assigned at the fund level for a given fund via the **Fund Report Settings** page, it will be used for FTP dataloads for that fund.
5. The settings of existing holdings load profiles can be used for push-button Excel imports, via both the **Fund Holdings** and **Fund Holdings - Classic** pages.
 - a. To specify a load profile for use when importing fund holdings via Excel, use the **Holdings Load Profile** drop-down list on the **Holdings Import** dialogue.



- b. When a load profile is specified, the load settings associated with that profile will automatically populate the various tabs of the **Holdings Import** dialogue.
- c. A **Holdings Load Profile** drop-down list selection of *[None]* indicates that the load options manually selected by the user will be used for the import; no predefined holdings load profile settings are used.

Additional Information

Upon update to version 2.2.0, a copy of the previously-existing options on the former **Holdings Load Options** page will be created as a record within the new **Holdings Load Profiles** page, for each complex that exists.

- The holdings load profile(s) created upon update will be automatically named using the convention of *<complex name> Default Profile*.
- Each holdings load profile created upon update will be designated as the **Default holdings load profile** for the respective complex with which it is associated.

Process Changes

No changes to current processes are required.

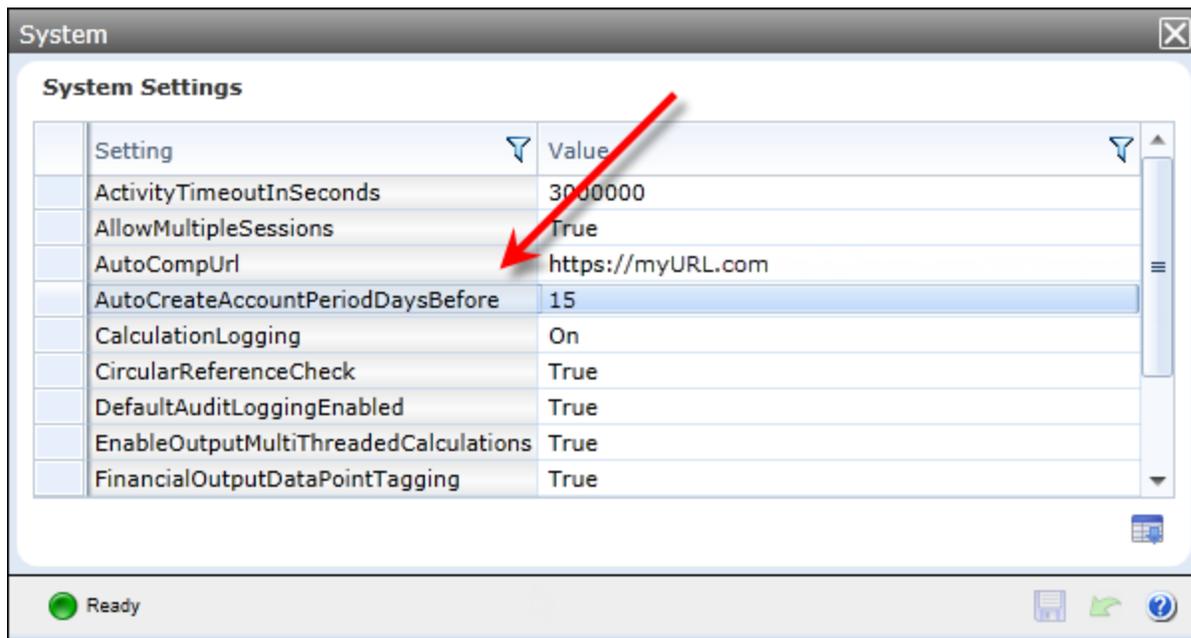
17. Ability to configure number of days prior to/post period end for automatic project creation

Overview

Users now have the ability to control the number of days prior to or post an account period end that associated projects are created. Prior to version 2.2.0, projects were automatically created 15 days prior to each period end. Users can now change this setting at the database level to control the number of days prior to/post a given account period end that the associated project is created.

What's New

A new **AutoCreateAccountPeriodDaysBefore** setting was added to the **System** page in the Platform Administration area.



1. Upon update to version 2.2.0, this setting defaults to **15** to keep in sync with the current logic.
2. Users may change this setting to any value from **-28** (28 days after period end) to **28** (28 days prior to period

end).

3. This setting drives the creation of all projects for the entire database.

Additional Information

Other user actions can also cause projects to be created, given that it is driven by the existence of an account period on the **Account Periods** page in the Platform Administration area. If a user either manually creates an account period or loads holdings information that would create an account period, associated project(s) will also be created.

Process Changes

No changes to current processes are required.

18. Portfolio Statement Template Audit Report

Overview

A Portfolio Statement Template Audit Report is now available that provides users with details of the changes made to portfolio statement templates. This standalone report is accessible via the **Reports** menu section on the **Administration** tab in both ArcFiling and ArcReporting. A button to navigate directly to the report is also now available on the **Portfolio Statement Templates** page.

What's New

1. A new **Portfolio Statement Template Audit Report** page was added to FundSuiteArc, through which users can generate a listing of all changes made to portfolio statement templates. The report is accessed via a new menu item of the same name, under the **Reports** menu section on the **Filings Workspace** tab.

Note:

- The new *Open Portfolio Statement Template Audit Report Page (ArcFiling)* user right is required to open the **Portfolio Statement Template Audit Report** page (the *Portfolio Statement Template Audit Report* menu item is disabled if the right is not assigned to the current user).
- The report considers changes made in all types of portfolio statement templates.
 - For templates of type *Holdings Breakout* and *Fair value*, standard settings are tracked.

- a. Users can narrow report results by any of the following filters in the **Report Result Filters** section at the top of the page:
 - i. **Complex** (required)

Note:

When the page is opened via the **Portfolio statement template audit report** button on the **Portfolio Statement Templates** page, the complex associated with that template is selected by default.

ii. **Portfolio Statement Template** (required)**Note:**

When the page is opened via the **Portfolio statement template audit report** button on the **Portfolio Statement Templates** page, that portfolio statement template is selected by default.

iii. **From Date** (optional)iv. **To Date** (optional)v. **Editing User** (optional)vi. **Audit Type** (optional)

A. User has the ability to filter changes by selecting a single audit type.

B. The available audit types are:

1. *Add Item to Tree Structure*
2. *Edit Record*
3. *Global Parameters*
4. *Output Rules*
5. *Remove Item from Tree Structure*
6. *Statement Settings*
7. *Template Detail*

vii. **Item Type** (optional)

A. User has the ability to filter changes by selecting a single item type.

B. The available item types are:

1. *Aggregate*
2. *Calculations*
3. *Column Header*

4. *Condensed*
5. *Filter*
6. *Legend*
7. *Multiple Values*
8. *Net Assets*
9. *Other Assets*
10. *Output Rules*
11. *Portfolio Statement Template*
12. *Prior Period*
13. *Single Value*
14. *Sorting*
15. *Stack*
16. *Statement Detail*
17. *Subtotal*
18. *Tabular Data Template*
19. *Template*
20. *Text*
21. *Total Investments*

- b. Once the user sets the desired filter(s), they can export the report by clicking the export button (📄) at lower-right of the page.

Note:

Currently, the available output format is Excel.

- c. When the user clicks the export button, a pop-up confirmation dialogue displays, asking whether they wish to generate a report based on the specified filter set.
 - i. If the user clicks the **Yes** button on the dialogue, a second message displays, informing them that the request has been sent to the Output Queue, where the report can be retrieved once the export is complete.
- d. Once the export is complete, the user can retrieve the file from the Output Queue and download it for viewing.

Note:

The results are only returned via the Excel file in the Output Queue; they are not displayed on the **Portfolio Statement Template Audit Report** page.

2. A button to open the Portfolio Statement Template Audit Report (📄) was added at lower-right of the **Portfolio Statement Templates** page.

Note:

The new *Open Portfolio Statement Template Audit Report Page (ArcFiling)* user right is required to use this button. If a user does not have this right, an **Insufficient Rights** pop-up dialogue displays when the button is clicked (and the report page will not open).

- a. Clicking the button causes the new **Portfolio Statement Template Audit Report** page to open.
 - i. When the page is opened, the **Complex** and **Portfolio Statement Template** drop-down lists in the **Report Result Filters** group box will be pre-populated to reflect the properties of the currently-selected portfolio statement template.

Process Changes

No changes to current processes are required.

19. Ability to load category exceptions

Overview

Currently, users can apply a category exception manually to each security via the **Holdings** tab of the **Fund Holdings** page. Users can now apply category exceptions to all securities of a particular category type in a data source file through use of a new **Load as Exception** data load/data import setting.

What's New

A **Load as Exception** column was added to the **Security Categorization** tab of the **Holdings Load Profiles** page (for use with FTP data loads) and the **Holdings Import** dialogue (for use with push-button Excel data imports). Users can specify that any given category type either load as an exception (a setting of **True**) or not (a setting of **False**).

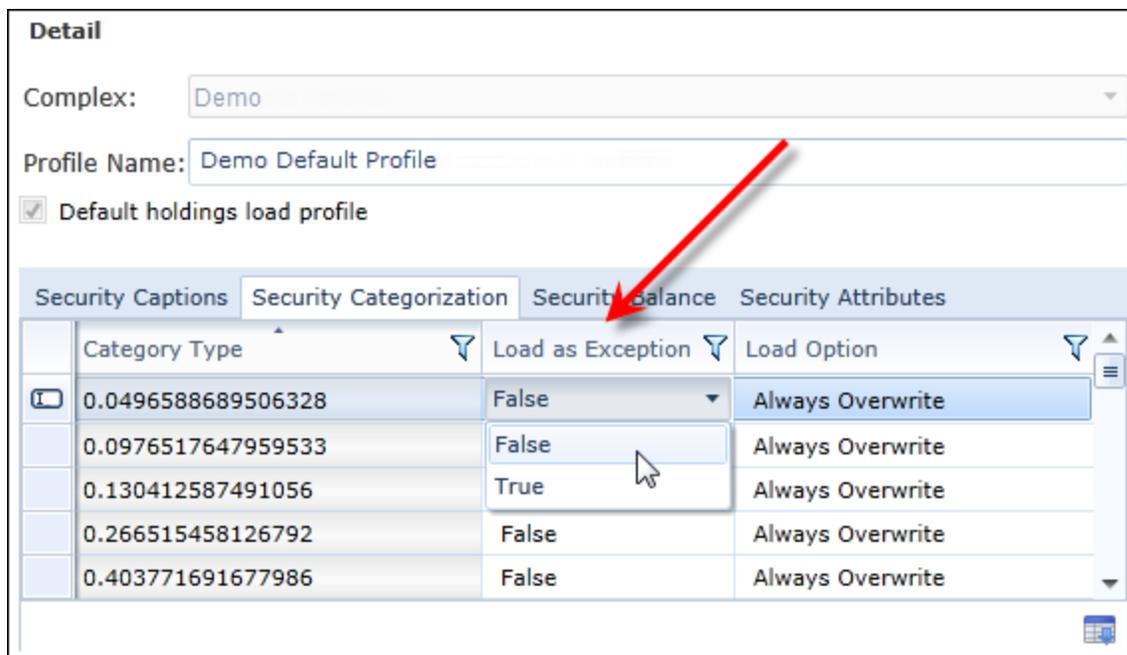
Detail

Complex:

Profile Name:

Default holdings load profile

Category Type	Load as Exception	Load Option
0.0496588689506328	False	Always Overwrite
0.0976517647959533	False	Always Overwrite
0.130412587491056	True	Always Overwrite
0.266515458126792	False	Always Overwrite
0.403771691677986	False	Always Overwrite



1. When **False** is specified as the **Load as Exception** setting for a given category type, no securities of that type in the data source file will be loaded as a category exception.

2. When *True* is specified as the *Load as Exception* setting for a given category type, all securities of that type in the data source file will be loaded as a category exception.

Note:

For category exceptions to be applied, a *Load Option* selection of *Always Overwrite* must be specified in combination with the *Load as Exception* selection of *True*; the *Never Overwrite* and *Overwrite if Previously Uncategorized* settings will not produce the desired result of applying category exceptions to all securities in the data source file for the given category type.

Additional Information

Upon environment update to version 2.2.0, the *Load as Exception* setting will default to *False* for each category type in every holdings load profile.

Process Changes

No changes to current processes are required.

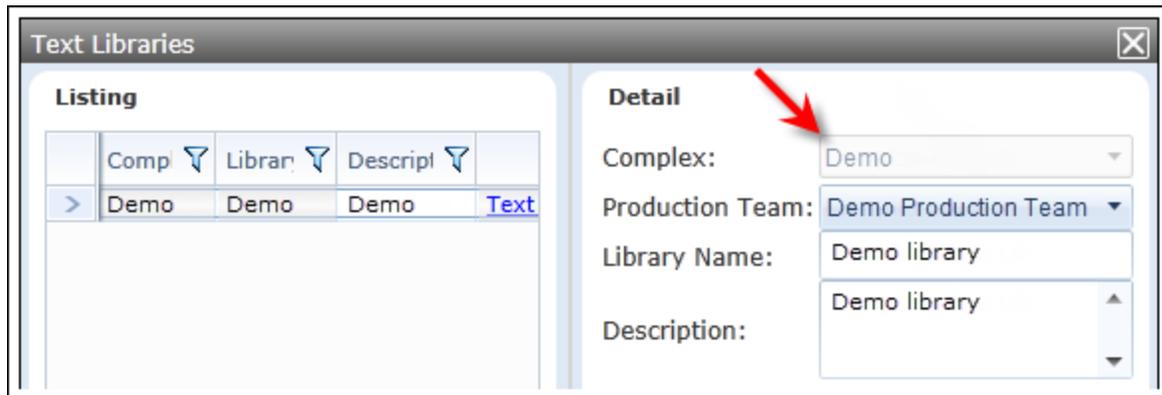
20. Assigned complex for existing text libraries no longer editable

Overview

To prevent potential issues with project setup and maintenance, the complex with which a given text library is associated can no longer be changed after the library is created and saved.

What's New

The **Complex** drop-down list on the **Text Libraries** page will now become disabled after a complex has been specified for a newly-created and saved library.



Process Changes

No changes to current processes are required.

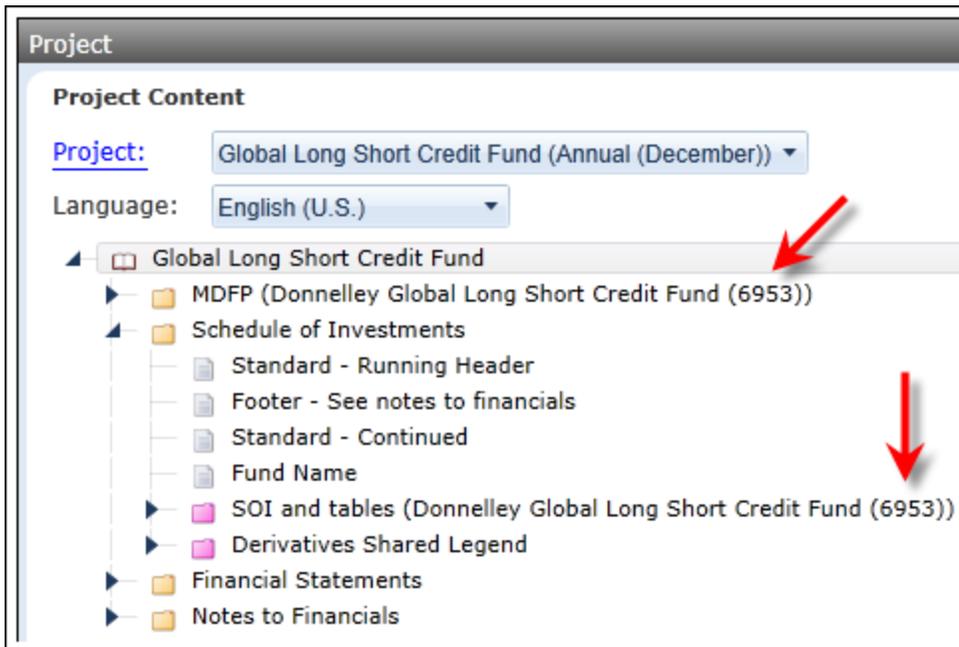
21. Display of fund code with fund name

Overview

In most areas of FundSuiteArc where a fund name is displayed as read-only text or as a drop-down list selection, the corresponding fund code will now also display within parentheses, after the fund name.

What's New

1. The text of chapters and sections with a behavior setting of *All Funds - Repeat* now displays the code of each fund in parentheses, after the fund name, in the tree view of the **Project** page.



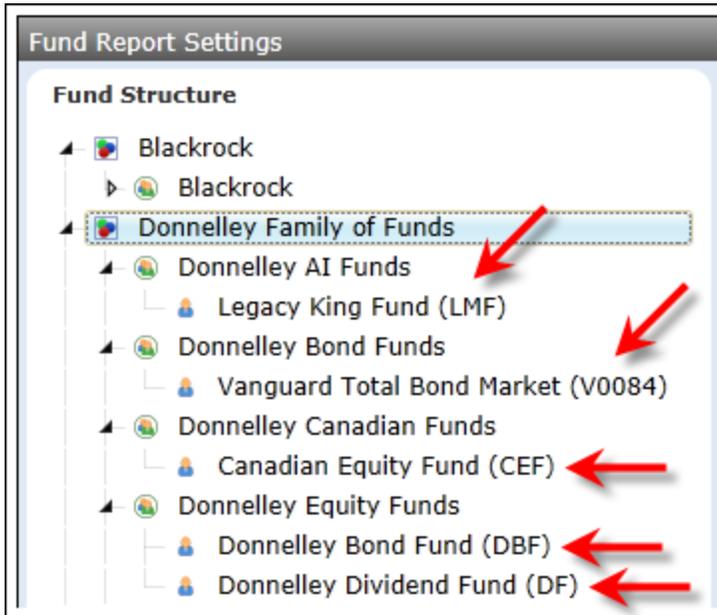
- The Fund(s) table on the **Components** tab of the **Project** page (present when the **Project** node is selected in the tree view) now displays the code of each fund in parentheses, after the fund name.

Components		Supporting Schedules	Supporting Documents	Produ				
Project Name:	Global Long Short Credit Fund							
Project Description:								
Project Code:	Jackson							
Balance Type:	Default							
Account Period End:	12/30/2013							
Account Period Type:	Annual (December)							
Complex:	Donnelley Family of Funds							
Output Media:	PDF							
Current Proof Version:	2							
Multi-Language Behavior:	Single							
Fund(s):	<table border="1"> <thead> <tr> <th>Fund</th> <th>Primary Po</th> </tr> </thead> <tbody> <tr> <td>Donnelley Global Long Short Credit Fund (6953)</td> <td>NotCalcula</td> </tr> </tbody> </table>				Fund	Primary Po	Donnelley Global Long Short Credit Fund (6953)	NotCalcula
Fund	Primary Po							
Donnelley Global Long Short Credit Fund (6953)	NotCalcula							

- The fund code corresponding to each selection in the respective **Fund** drop-down list on the following application pages now displays in parentheses, after the fund name:

Search Criteria	
Complex:	Donnelley Family of Funds
Fund Group:	Donnelley Equity Funds
Fund:	[None]
Class:	[None]
	Donnelley Bond Fund (DBF)
	Donnelley Dividend Fund (DF)
Account Period: 12/31/2013	
Editing User: [Unassigned]	
From Date: Enter date	
To Date: Enter date	
Drag a column header and drop it here to group by that column	

- a. Attribute Usage Report
 - b. Class Balance Audit Report
 - c. Fund Data Points Audit Report
 - d. Holdings Breakout Report
 - e. New Securities Report
 - f. Project Locking Audit Report
 - g. Report Library
 - h. Same Security Prior Period Report
 - i. Securities Audit Report
4. The code corresponding to each fund in the tree view of the **Fund Report Settings** page now displays in parentheses, after the fund name.



Process Changes

No changes to current processes are required.

22. Text Snippet Audit Report enhancements

Overview

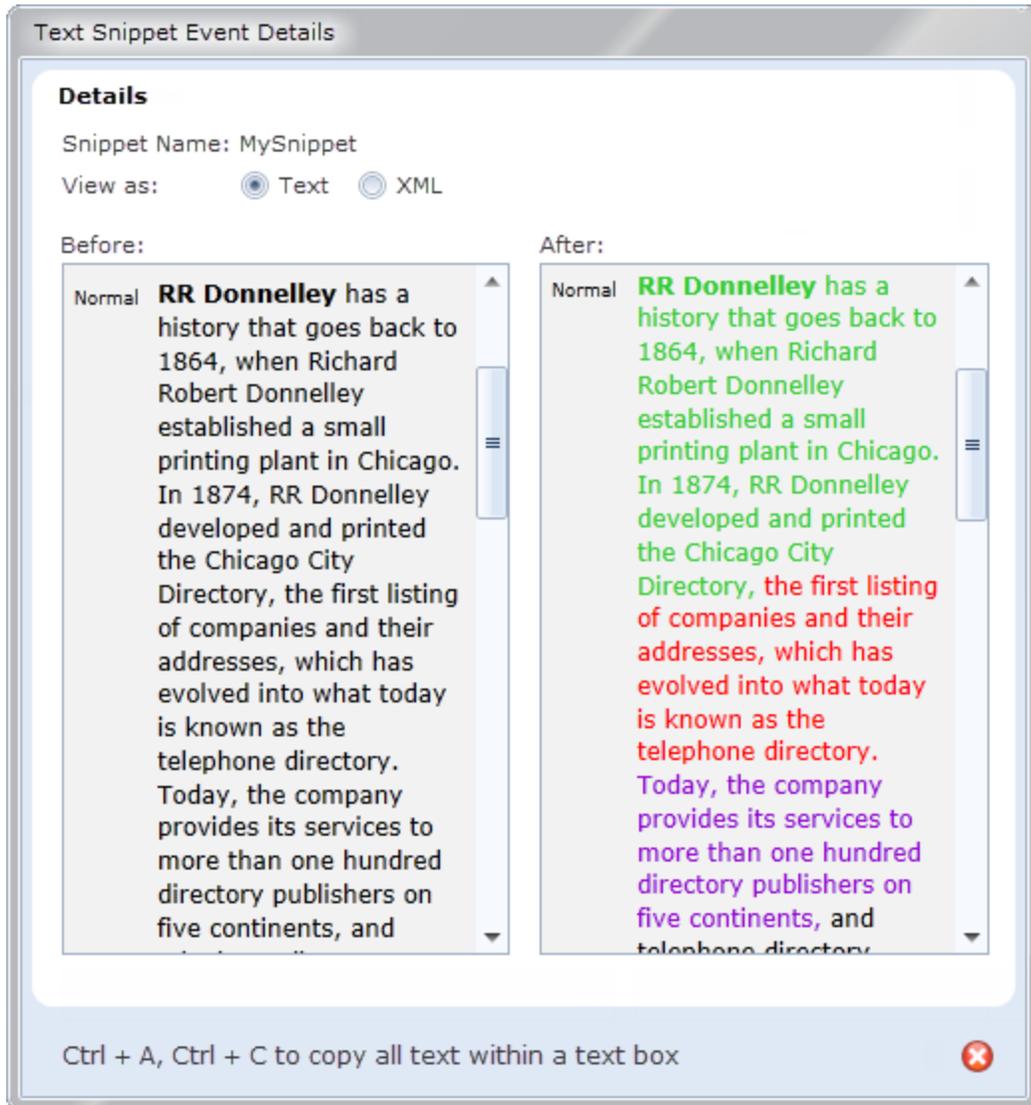
Enhancements were made to the existing Text Snippet Audit Report to facilitate tracking of deleted snippets, as well as viewing of changed snippet content as either formatted text or XML.

What's New

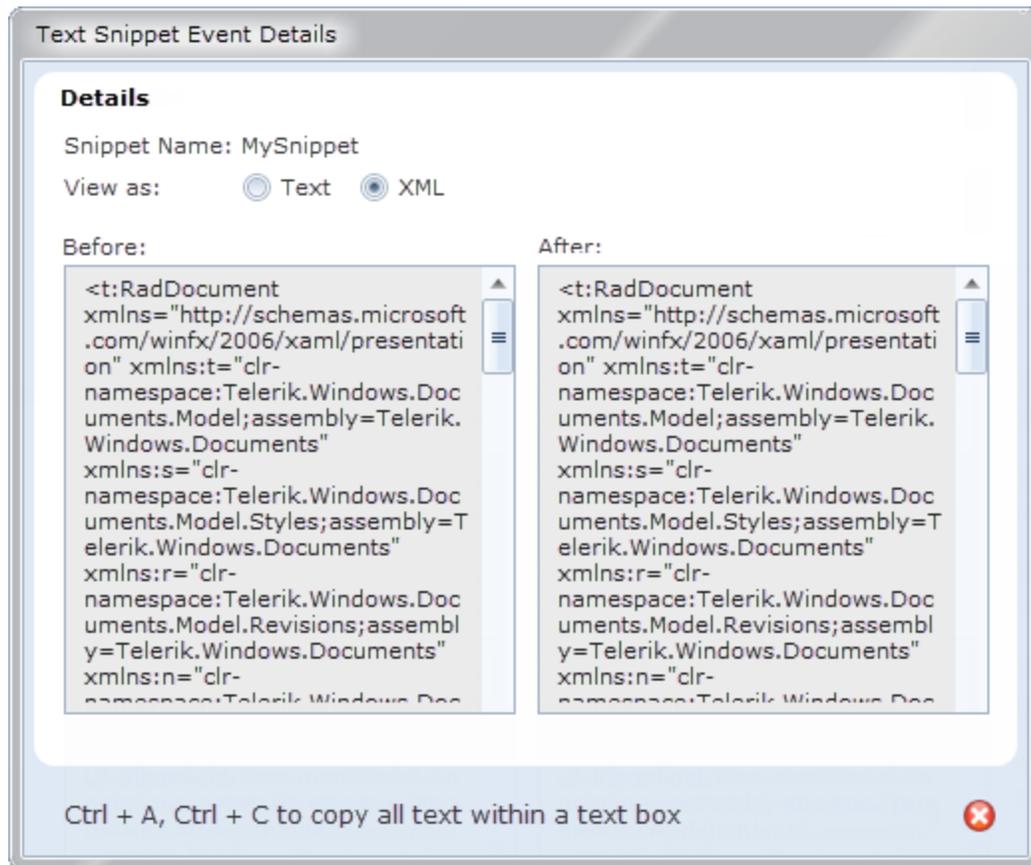
1. The existing Text Snippet Audit Report now tracks and reports instances of snippet deletion from text libraries.
 - a. For the report to display information about a deleted snippet, the user must set values in the **Search Criteria** section of the **Text Snippet Audit Report** page as follows:
 - i. The **Complex** drop-down list selection must represent the complex with which the deleted snippet's library is associated.
 - ii. The **Text Library Name** drop-down list selection must represent text library from which the snippet was deleted.
 - iii. The **Snippet Name** drop-down list selection must be **[All]**.

Note:
The names of deleted snippets are not displayed in the drop-down list, since the snippets no longer exist in the FundSuiteArc database.
 - b. Records representing deleted snippets display in the search results grid with an audit type of **Delete**.
 - c. The **Details** hyperlink at lower-right of search results grid is not functional for rows of audit type **Delete**, as the associated changes/details no longer exist in the FundSuiteArc database.
2. A **View as** option button set is now displayed on the **Text Snippet Event Details** pop-up dialogue (invoked via the **Details** button at lower-right of the search results grid on the **Text Snippet Audit Report** page), with which the user can opt to view details of the selected text snippet change as either formatted text or XML.
 - a. When the **Text** option is selected (this is the default view), content in the **Before** and **After** text boxes displays exactly as it does within the text editor control of the **Text Libraries** page (*i.e.*, text for data

points display in the appropriate color, paragraph styles display, etc.), with the exception that the content is read-only.



- b. When the **XML** option is selected, the content in the **Before** and **After** text boxes is the raw XML code of the text snippet (this is the format that was displayed in versions of FundSuiteArc prior to 2.2.0).



Note:

Although the **Before** and **After** text boxes are read-only, the text boxes are still scrollable and the user can select the contents thereof for purposes of copy/paste operations, as needed.

Process Changes

No changes to current processes are required.

23. Text Libraries Extract

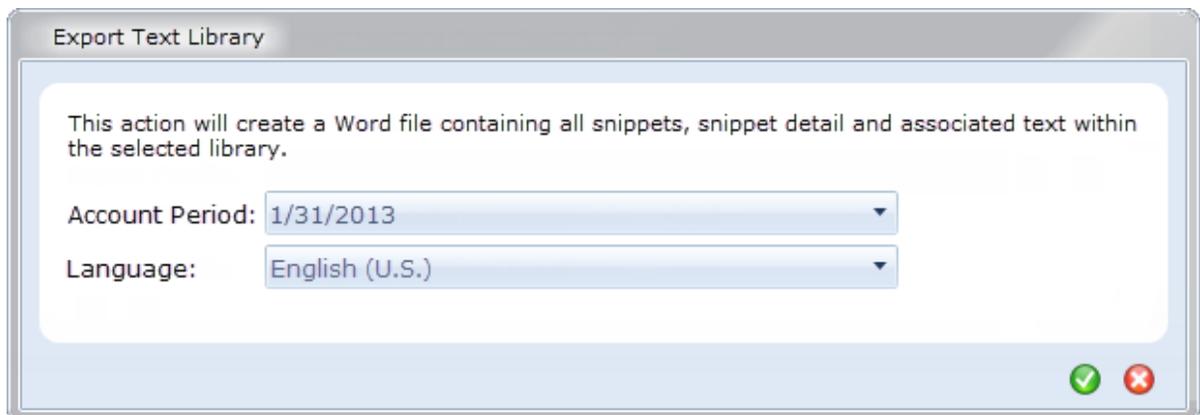
Overview

Users can now export the content and details associated with all text snippets in a given text library to a file of Word (DOC) format.

What's New

An **Export text library** button (📄) was added at lower-right of the **Snippets** tab of the **Text Libraries** page, by means of which users can export the content of all snippets in the selected text library for a specified account period.

1. Clicking the button causes the **Export Text Library** pop-up dialogue to display.



- a. The user specifies the account period with which snippet content in the export will be associated.
 - i. All account periods in the current environment are available for selection in the drop-down list.
 - ii. The account period specified in the fund selection bar at the time the dialogue is opened is selected by default.
 - A. If no account period is specified (*i.e.*, if the **Reset Fund Selection** button had been clicked, clearing the fund selection bar altogether), the default selection when the dialogue is opened is the first (most recent) account period in the list.

- b. When the user clicks the **Accept** button (✔) at lower-right of the dialogue, a request is sent to the Output Queue for an export containing snippet content that meets the specified criteria.
2. The Word file generated by a text library export contains header information to indicate the date and time of the export, the specified account period, the text library name, its description and the complex with which the library is associated. Beneath the header information, each snippet from the library is listed and numbered in the order in which it appears on the **Snippets** tab of the **Text Libraries** page.

Example:

3. Snippet Name / Folder: Front Cover Text / Covers	
Description:	
<u>Content:</u>	
[Date]	< Current Account Period >
[Normal]	A series of Donnelley Trust
[Callout]	<u>Sign up for electronic delivery</u>
[ImageCaption]	Donnelley Investments
4. Snippet Name / Folder: Fund's Expenses / Expenses	
Description:	
<u>Content:</u>	
[Chapter]	Your Fund's Expenses
[Normal]	As a Fund shareholder, you can incur two types of costs:
[Section]	Actual Fund Expenses

- a. Each snippet is separated by a horizontal dividing line.
- b. The following details of each snippet are displayed:
 - i. Snippet name and folder
 - ii. Snippet description

- iii. Snippet content (displayed in a similar format as seen in the text editor of the **Text Libraries** page)
 - A. Paragraph styles are displayed.
 - B. Basic formatting (*i.e.*, bold, italic) is displayed.
 - C. Colored text for data points, custom tags, and reference colors are displayed.

Process Changes

No changes to current processes are required.

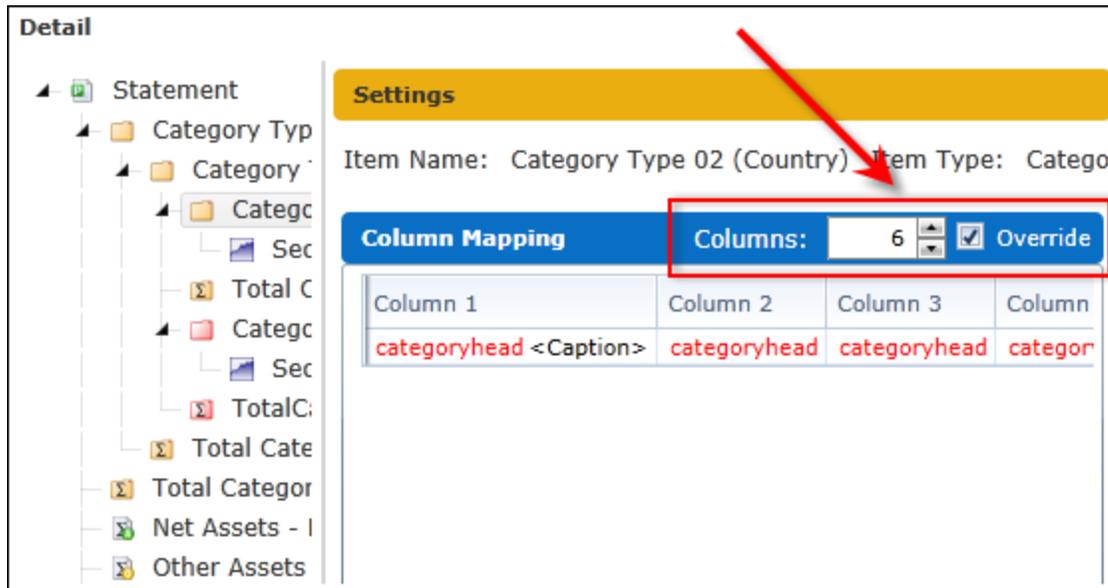
24. Ability to specify a distinct number of mappable columns for portfolio statement items

Overview

Users can now specify the number of mappable columns displayed for line items of types *Column Header*, *Net Assets*, *Other Assets* and *Total Investments*.

What's New

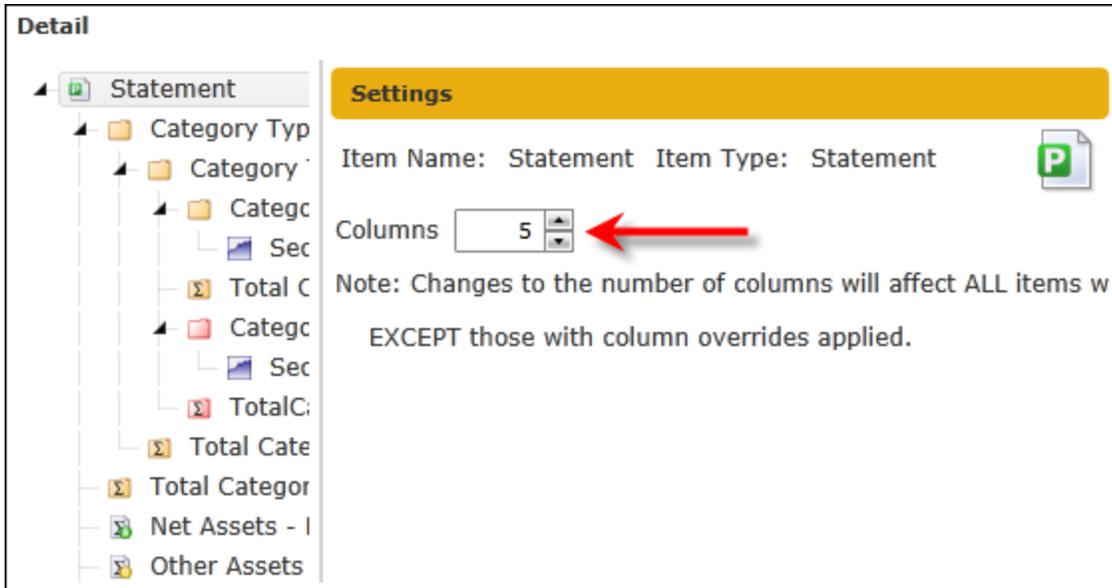
Users can now utilize the **Override** check box and associated **Columns** spinner control in the **Column Mapping** area of the **Portfolio Statement Template Output Settings** page to specify a particular number of mappable columns for line items of types *Column Header*, *Net Assets*, *Other Assets* and *Total Investments*. These controls were added in FundSuiteArc version 2.0.0, but disabled pending the introduction of additional, supporting functionality.



The screenshot shows the 'Detail' view of the 'Portfolio Statement Template Output Settings' page. On the left is a tree view of the statement structure. The main area is titled 'Settings' and shows 'Item Name: Category Type 02 (Country)' and 'Item Type: Catego'. Below this is the 'Column Mapping' section, which is highlighted with a red box. It contains a 'Columns' spinner set to 6 and an 'Override' check box. A red arrow points to the 'Override' check box. Below the spinner is a table with columns labeled 'Column 1', 'Column 2', 'Column 3', and 'Column'. The table content is as follows:

Column 1	Column 2	Column 3	Column
categoryhead <Caption>	categoryhead	categoryhead	categoryhead

1. The **Override** check box associated with each item in a given statement template is initially cleared. The corresponding **Columns** spinner is therefore disabled, and reflects the number of columns specified at the statement level.



- a. The user can select the **Override** check box for a given line item to enable the **Columns** spinner, and then adjust the number of columns for that item, as needed.

Process Changes

No changes to current processes are required.

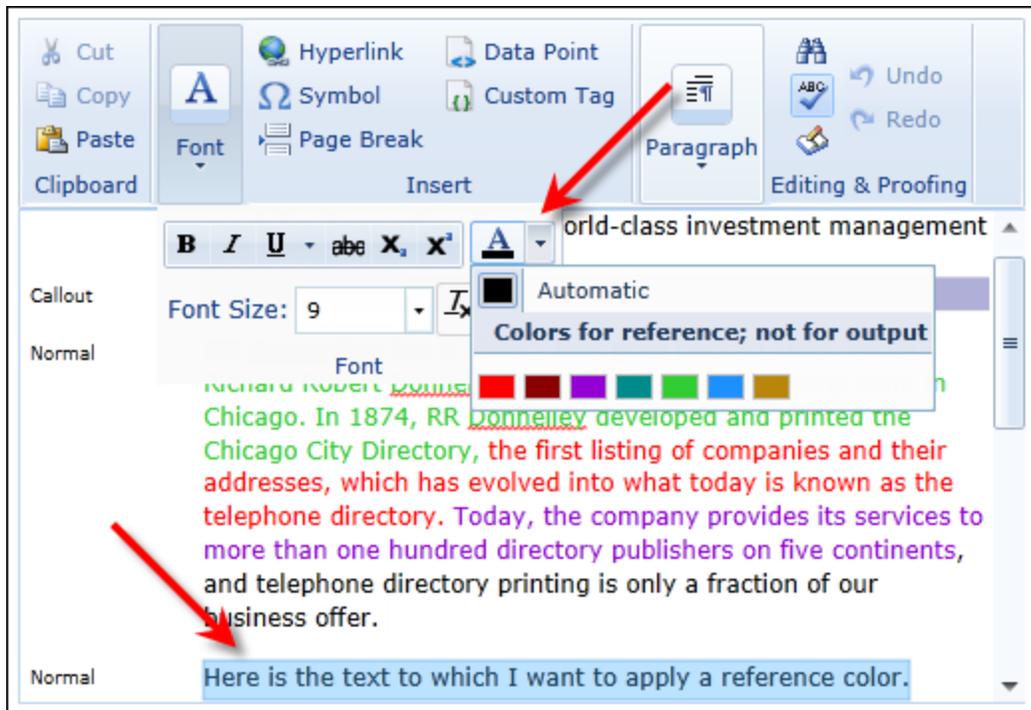
25. Enhancements to text library content functionality

Overview

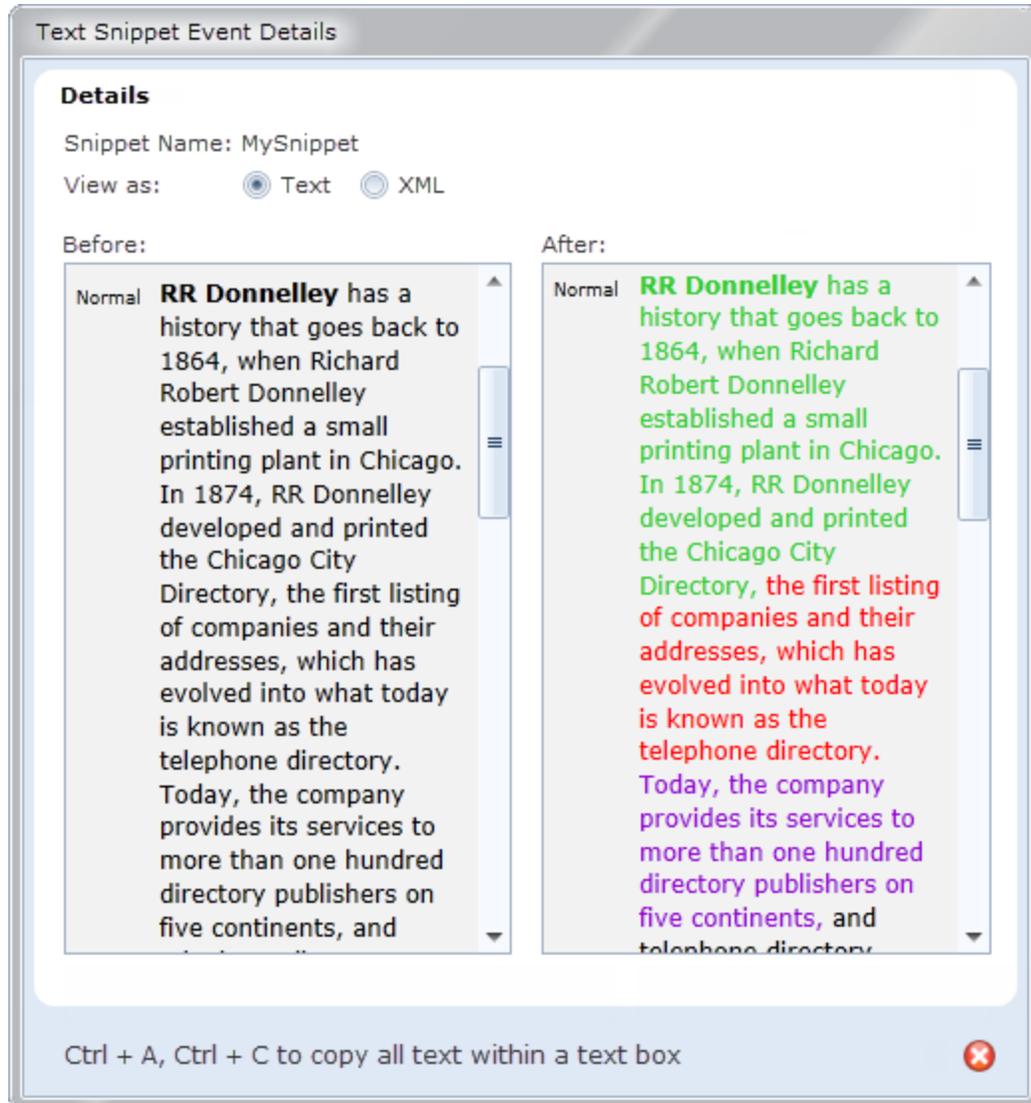
A series of updates related to text snippet content were made across several application pages and exports.

What's New

1. A **Reference Color** button (A) was added to the **Font** control group of the text editor on the **Text Libraries** page.
 - a. Users can select/highlight any portion of text within the text editing pane, then click the downward-facing arrow at right of the button to choose one of seven predefined colors to apply to the text.



- i. Users may apply multiple colors to distinct portions of the content of any given snippet.
 - ii. The color(s) applied to content text is for on-screen reference only. It displays in the text editor and on the **Components** tab of the **Project** page; it does not display in project output.
2. The scope of updates tracked under the **Change** audit type of the Text Snippet Audit Report was increased to include new or changed reference colors on text snippet content.
 - a. The **Text Snippet Event details** dialogue (invoked by clicking the **Details** hyperlink when a report results record is selected) reflects the addition of or change in reference color(s).

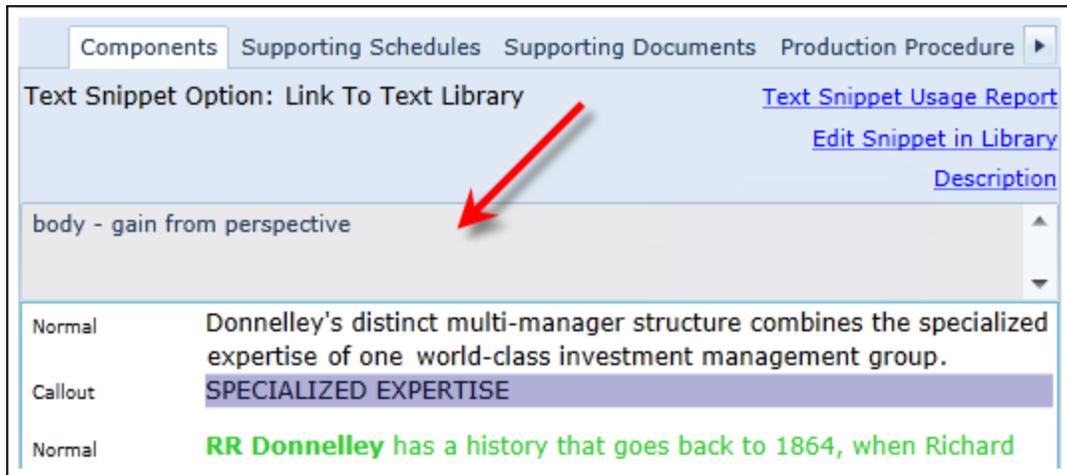


3. The character limit of the **Description** field for snippets in text libraries was increased from 512 to 2,000 characters.
 - a. The **Description** field is located on the **Add/Edit Snippet Details** dialogue, which is accessed via **Details** link at right of the **Snippets** tab of the **Text Libraries** page.

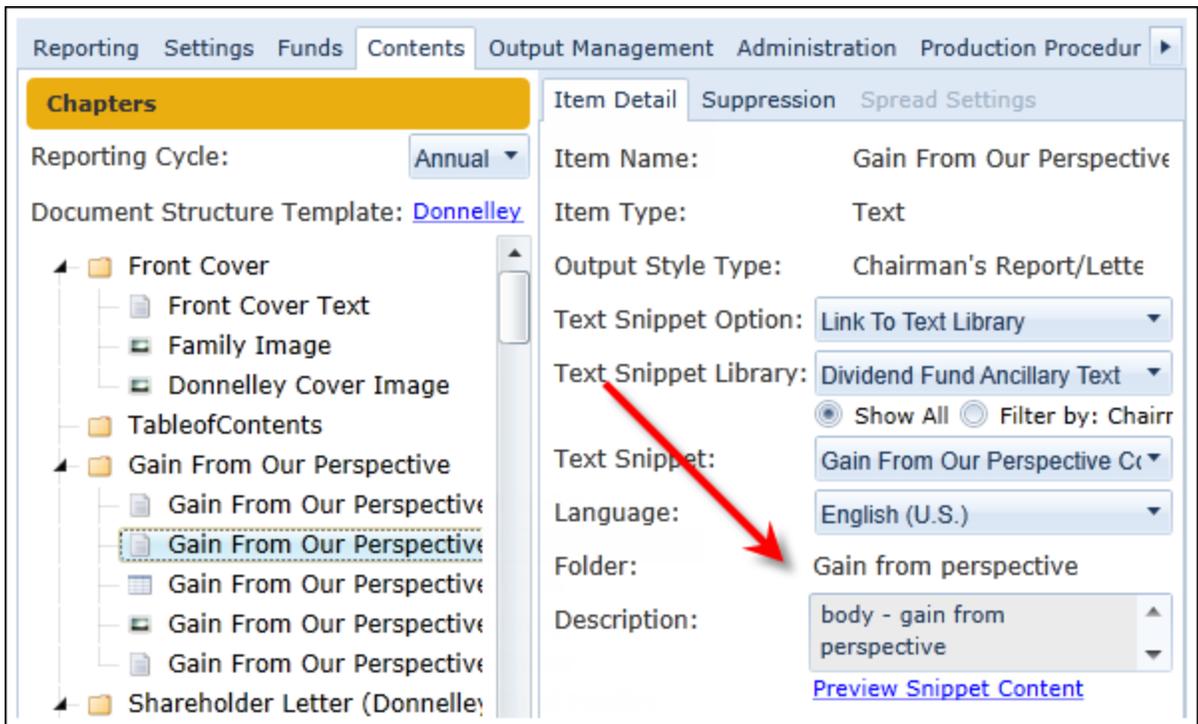
4. A **Description** hyperlink was added at upper-right of the **Components** tab of the **Project** page, when a text item of type **Link to Text Library** is selected from the **Project Content** tree view.



- a. Clicking the link toggles the display of a read-only multi-line text box between the tab's heading information and the text viewing pane, which contains the **Description** value specified for the snippet via the **Text Libraries** page.



- Read-only **Folder** and **Description** fields are now displayed on the **Item Detail** sub-tab of the **Project Templates** page for items of type **Text**, whose text snippet option is either **Link To Text Library** or **Copy From Text Library**.



- The existing Project Template Setup export (generated via the associated button at lower-right of the **Contents** tab of the **Project Templates** page) now includes **Folder: Snippet** and **Description: Snippet** columns in the Excel output file, which contain the **Folder** and **Description** values, respectively, associated with items of type **Text** in the template.

Process Changes

No changes to current processes are required.

26. Change to handling of fund holdings values for "Closed" account periods

Overview

A change was made to the handling of fund holdings values for "Closed" account periods. In previous versions of FundSuiteArc, holdings values for a closed period were re-summed in project preview and/or generation of output to derive total values.

What's New

1. Going forward, when project information is previewed, or when output is generated for a closed period, if a statement is encountered that does not yet have calculated numbers stored for that period, a new calculation will be initiated on that statement for the closed period so values can then be stored and referenced as needed.
2. Upon update to version 2.2.0, all portfolio statement templates for all open account periods will be set to a *Not Calculated* state and the XML cache status will be cleared so that the new calculation process can run and store all the calculated values in the environment.

Note:

This will only occur one time per environment following the update.

Process Changes

No changes to current processes are required.

27. Enhanced behavior on Project page for suppressed or undefined components

Overview

Functionality was added to the **Project** page to alert users when a given component in the project is either undefined (*i.e.*, has no associated output settings) or will be suppressed in output due to **Advanced Suppression** settings specified for the project's template.

What's New

1. If a given project component (*i.e.*, portfolio statement, tabular data, etc.) will be suppressed in project output due to **Advanced Suppression** settings in the project's template, or if there are no output settings defined in association with the component, the following **Please Note** pop-up dialogue will now display when the user clicks/selects the component in the tree view of the **Project** page:

This component does not have any output settings defined, or has been suppressed. Please verify that data exists and that the setup is correct.

2. If a given project component (*i.e.*, portfolio statement, tabular data, etc.) will be suppressed in project output due to **Advanced Suppression** settings in the project's associated template, the following informational text is displayed as a clickable link on the **Components** tab of the **Project** page when the component is selected in the tree view pane:

This component will be suppressed in project output due to settings specified in the project's template.

Click here to view the suppression settings in the project template.

- a. If the user clicks the link, the **Project Templates** page is opened. The current project's template will be selected in the **Listing** grid, the **Contents** tab will be in focus and the **Reporting Cycle** drop-down list selection will be set according to the project's account period.

Process Changes

No changes to current processes are required.



Appendix A: Special Character Support

The following ASCII and non-ASCII characters, codes, symbols and signs are supported in FundSuiteArc for use in project output.

General					
— (em dash)	%)	/	{	;
~	^	- (hyphen)	\	}	,
!	&	_ (underscore)	<	['
@	*	=	>]	"
#	(+	?	:	

Currency symbols not in ASCII code					
\$	¤	₱	﷼	₩	₹

Slovakian characters not in ASCII code
Č

Characters in ASCII code					
€	™	±	Æ	Ü	ñ
,	š	²	Ç	Ý	ò
f	›	³	È	Ɔ	ó
”	œ	´	É	ß	ô
…	ž	µ	Ê	à	õ
†	ÿ	¶	Ë	á	ö
‡	ı	·	İ	â	÷

Characters in ASCII code					
^	¢	¸	í	ă	ø
‰	£	¹	î	â	ù
Š	¤	º	ï	ã	ú
<	¥	»	ð	æ	û
Œ		¼	Ñ	ç	ü
Ž	§	½	Ò	è	ý
‘	”	¾	Ó	é	þ
’	©	¿	Ô	ê	ÿ
“	ª	À	Õ	ë	
”	«	Á	Ö	ì	
•	¬	Â	×	í	
– (en dash)	®	Ã	Ø	î	
— (em dash)	–	Ä	Ù	ï	
~	°	Å	Ú	ð	



RR DONNELLEY

Corporate Headquarters
111 South Wacker Drive
Chicago, IL 60606-4301
U.S.A

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