FundSuiteArc Version 2.1.0 Release Notes

ArcFiling 2.1.0

Revised: 3/12/2015

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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.

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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. "Custom Literal" spaces do not display in project preview for portfolio statement templates

Overview

In version 2.1.0 of ArcFiling, *Custom Literal* spaces keyed directly into the **Portfolio Statement Template Output Settings** page are being suppressed in the preview pane of the **Project** page. This will impact any portfolio statement templates that utilize this particular setup. However, it will not impact those templates that use the *<space>* literal data point available via the **Portfolio Statement Template Output Settings** page.

The impact of this issue is limited to the project preview, and does not impact project exports or output; *Custom Literal* spaces appear as expected in both project exports and output.

The suppression of *Custom Literal* spaces will be corrected in the FundSuiteArc 2.2.0 product release, scheduled for April 2015. There is no impact to output and therefore no correction is needed, however if users wish to see spacing in the project preview prior to the 2.2.0 product release, they can replace instances of *Custom Literal* spaces with a *<space>* literal data point via the **Portfolio Statement Template Output Settings** page.

Process Changes

For output purposes no process change is needed, however when reviewing portfolio statements in the preview pane of the **Project** page, users need to be aware of this defect or change the output settings as described above.

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. **Support for Internet Explorer 11**

   FundSuiteArc now supports the use of Internet Explorer 9, 10 and 11 web browsers on the Windows 7 operating system, and the use of Internet Explorer 10 and 11 on the Windows 8 operating system.

2. **Ability to add "Commitments" and "Multiplier" fields to portfolio statement template calculations**

   Commitments and *Multiplier* were added to the list of available fields to include on the *Calculations* tab of the **Portfolio Statement Templates** page.

3. **Larger values accommodated in all numeric fund holdings fields**

   The length of many numeric fund holdings fields were increased to accommodate larger values.

4. **Ability to refresh data on selected ArcFiling and ArcReporting pages**

   Users can now refresh the contents of a number of selected pages in ArcFiling (*e.g.*, **Fund Holdings**, **Portfolio Statement Template Output Settings**, **Project**, etc.). This enhancement eliminates the need to close and reopen a given page following user interactions that affect the data displayed on the page, such as data imports.

5. **Ability to create multi-manager fund relationship structures**

   Users now have the ability to create multi-manager fund relationship structures within FundSuiteArc. Users can load a data set at the manager fund level, then build the parent-child relationship through an advanced fund relationship interface. Newly-added functionality also allows users to see all underlying holdings data for each child fund when viewing the parent fund, and to consolidate the final output via a new *Consolidated* option in the portfolio statement template.

6. **Holdings Data Extract output file enhancements**

   Columns in the Holdings Data Extract output file were enhanced to facilitate the display of all category types assigned to a given fund via the **Fund Report Settings** page, as well as the associated category code for each. If more than one category type is assigned to a fund, the types and codes will now appear as comma-delimited lists within the respective cells of the output file. The content and structure of the Holdings Data Extract output file was also updated so that it may now be used as the source file for a Holdings data import via the *Holdings* tab of the **Fund Holdings** page.

7. **Ability to lock a project or its components**

FundSuiteArc now allows users with appropriate rights to "lock" an entire project, specific chapters, sections or individual project components. Once a project component is locked, it will be disconnected from the associated project template, and any subsequent edits to underlying data or the template will not be reflected in the project. An audit report was also created to track locking/unlocking of project components.

8. **Access control over text and image library content/settings**

Managers of FundSuiteArc users can now associate a specific production team with a given text or image library. The production team association of a library restricts users not assigned to the specified team from viewing/editing the content and settings for that library.

9. **"Security Caption" field increased to 1,024 characters**

Users may now specify a *Security Caption* value of up to 1,024 characters in length for any given security, either directly via the user interface, or by means of a Holdings FTP dataload or Excel data import. Previous to this enhancement, FundSuiteArc database settings only allowed for the storage of a caption that was at most 256 characters in length.

10. **Conditional display options for security data points**

Several options were added to the *Format Items* tab of the **Portfolio Statement Template Output Settings** page that allow for the conditional display of data points mapped to any security-type statement items. These *Conditional Display* options were added to assist in the control of common output template logic, such as the need to display the currency symbol for the first security that displays on a page, or to suppress a security's currency code if it is the same as the previous security, etc.

11. **Ability to push library changes across account periods**

Users can now push changes made within text, issuer and category libraries to selected reporting periods within a given complex.

12. **Formatting of numerical values in Excel extracts**

Numerical values contained in various reports/extracts from ArcFiling (*e.g.*, Project Excel Export, Portfolio Preview Export, etc.) are now exported to Excel in cells using the *General* cell formatting option, rather than *Text*. All data grids throughout the FundSuiteArc platform that feature the standard *Data export* button also provide this functionality. With this update, users now have the ability to utilize standard numerical-data functionality in Excel without needing to reformat values.

13. **Improved ability to view large numbers of records in data load archive**

    Pagination and navigation controls were added to the *Details* and *Errors/Warnings/Info* tabs of the **Archive Details** page to facilitate the viewing of large numbers of records pertaining to dataloads/data imports.

14. **Column spanning functionality in portfolio statement template output settings**

    Existing cell spanning functionality for tabular data template output settings was adapted for use with portfolio statement templates, allowing users to merge cells across columns via the **Portfolio Statement Template Output Settings** page.

Enhancements Common to Multiple Products

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

1. Support for Internet Explorer 11

Overview

FundSuiteArc now supports the use of Internet Explorer 9, 10 and 11 web browsers on the Windows 7 operating system, and the use of Internet Explorer 10 and 11 on the Windows 8 operating system.

Process Changes

The Internet Explorer 8 web browser will not be actively supported going forward. FundSuiteArc can be accessed using Internet Explorer 8, however the recommended minimum requirement is now Internet Explorer 9.

2. Ability to add "Commitments" and "Multiplier" fields to portfolio statement template calculations

Overview

Commitments and *Multiplier* were added to the list of available fields to include on the *Calculations* tab of the **Portfolio Statement Templates** page.

What's New

Users can now add *Commitments* and/or *Multiplier* fields to the *Calculations* tab of the **Portfolio Statement Templates** page by clicking the existing *Add item* button () at lower-left of the tab. When either of these fields is added to the tab, the value of the field will be calculated and thereby allow other areas of the application to reference that value.
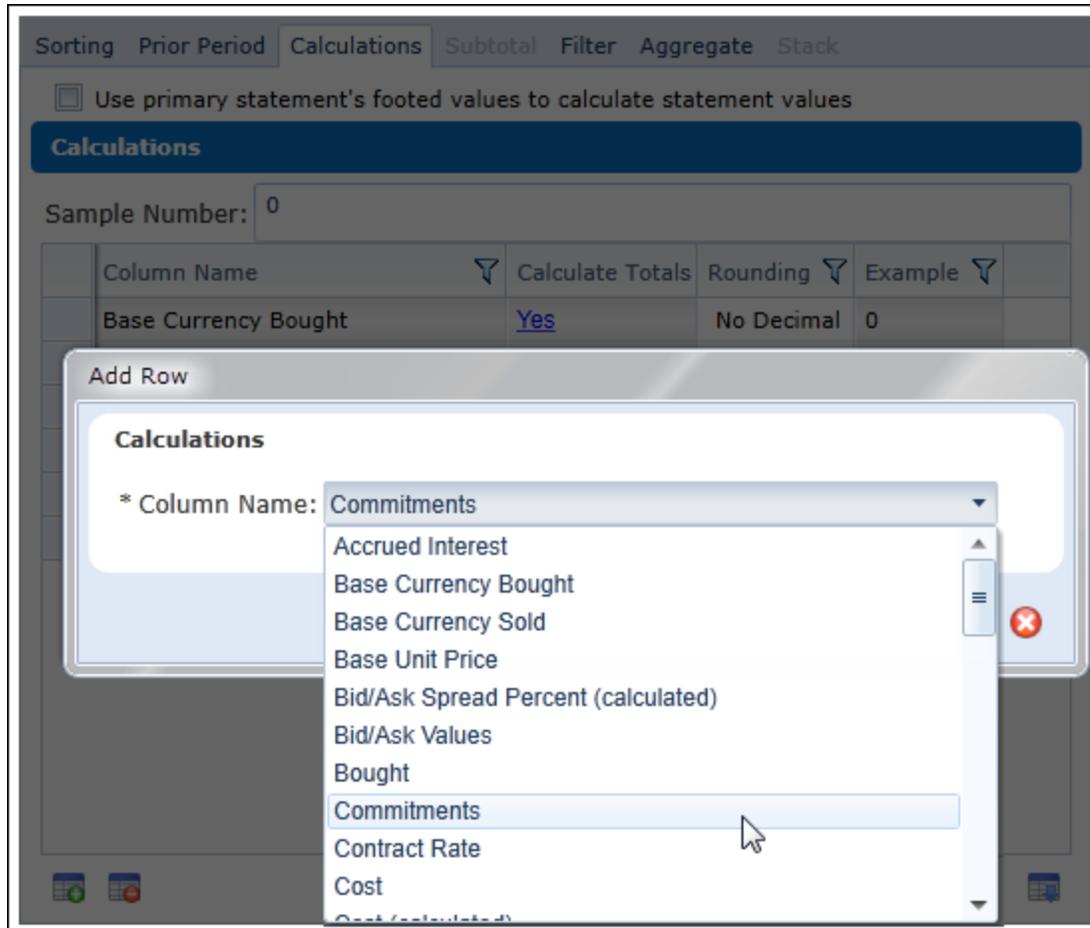
Adding either of the newly-available fields to the *Calculations* tab allows users to specify the following settings (existing functionality of the *Calculations* grid):

1. *Calculate Totals*

    a. The user can click the blue link text in the corresponding column of the grid to toggle the text value between *Yes* (default setting) and *No*, in order to indicate whether or not totals should be calculated for the field.

2. *Rounding*

    a. The user can specify a rounding level for the field using the drop-down list in the corresponding column of the grid.

> **Note:**
>
> The *Example* column of the grid will display a value reflecting the specified *Sample Number* with the specified *Rounding* level for the field applied.

Additional Information

Settings specified for any field added to the grid of the *Calculations* tab only apply when the *Use primary statement's footed values to calculate statement values* check box option is not selected; when the check box is selected, security values on the statement will be sourced from the specified primary statement's footed values (rather than from the Fund Holdings raw values).

Process Changes

If users have historically put *Commitments* and/or *Multiplier* data into some other location due to their inability to add the columns to the *Calculations* tab in previous versions of FundSuiteArc, the appropriate fields can now be used going forward.

3. Larger values accommodated in all numeric fund holdings fields

Overview

The length of many numeric fund holdings fields were increased to accommodate larger values.

What's New

Field lengths for the following fund holdings fields were increased from 12 digits, with 6 decimal places (19,6) to 21 digits, with 6 decimal places (28,6):

> **Note:**
>
> *Local Currency Bought* and *Local Currency Sold* field precision was updated to accommodate larger values in the FundSuiteArc version 2.0.0 product release.

Accrued Interest	Coupon	Multiplier	Sold Amount Base
Base Currency Bought	Exclude Capital Support Value	Notional Amount	Sold Amount Local
Base Currency Sold	Fair Value	Option Premium	Strike Price
Base Unit Price	Include Capital Support Value	Price Ask	Unrealized Value
Bid/Ask Values	Local Cross Trade	Price Bid	Unrealized Value (calculated)
Bid/Ask Spread Value (calculated)	Local Unit Price	Proceeds	Unrealized Value Ask (calculated)
Bought	Market Value	Purchase Amount Base	Unrealized Value Bid (calculated)
Commitments	Market Value Ask	Purchase Amount Local	Yield

Contract Rate	Market Value Ask (calculated)	Purchase Cost
Cost	Market Value Bid	Shares
Cost (Calculated)	Market Value Bid (calculated)	Sold

1. Users can manually update the value of any field listed above via the *Holdings* tab of the **Fund Holdings** page with precision up to and including 21 digits, with 6 decimal places (28,6).

2. Users may include values for any field listed above in the source file for a Holdings FTP dataloads or Excel data import with precision up to and including 21 digits, with 6 decimal places (28,6).

3. Calculation sheets referencing any of the fund holdings fields above will accommodate the increase in precision.

4. Statement preview and output via the **Project** page will accommodate the increase in precision for all of the fields above.

Process Changes

No changes to current processes are required unless users were loading truncated or rounded values due to the previous limitation in field precision, in which case that procedure can be removed.

4. Ability to refresh data on selected ArcFiling pages

Overview

Users can now refresh the contents of a number of selected pages in ArcFiling (*e.g.*, **Fund Holdings**, **Portfolio Statement Template Output Settings**, **Project**, etc.). This enhancement eliminates the need to close and reopen a given page following user interactions that affect the data displayed on the page, such as data imports.

What's New

A *Refresh data* button (🔄) was added at lower-right of certain application pages and tabs, which are accessed via the respective locations specified below. When the button is clicked, data displayed on the specific page or tab is updated to reflect the latest information contained in the database.

1. *Filings Workspace* tab

   a. **Class Information** page

   b. **Fund Holdings** page, *Holdings* tab

   c. **Fund Information** page

   d. **Project** page, *Components* tab (text snippet of type *Link To Text Library* selected)

   e. **Repo Holdings Collateral** page

2. *Administration* tab

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

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

> **Note:**
> The *Refresh data* button on any given page/tab is only enabled (*i.e.*, clickable) when the workspace is in a saved state.

Process Changes

When making data changes to the above listed pages users no longer need to close and re-open the page to see refreshed data, instead the new refresh button may be used.

5. Ability to create multi-manager fund relationship structures

Overview

Users now have the ability to create multi-manager fund relationship structures within FundSuiteArc. Users can load a data set at the manager fund level, then build the parent-child relationship through an advanced fund relationship interface. Newly-added functionality also allows users to see all underlying holdings data for each child fund when viewing the parent fund, and to consolidate the final output via a new *Consolidated* option in the portfolio statement template.

What's New

1. A new *Fund Relationship Types* tab was added to the **Funds** page, when a fund is selected in the tree view.

a. Users can drag-and-drop any number and combination of relationship types from the *Available Fund Relationship Types* pane at right of the tab to the *Assigned Fund Relationship Types* pane at left to associate them with the selected fund.

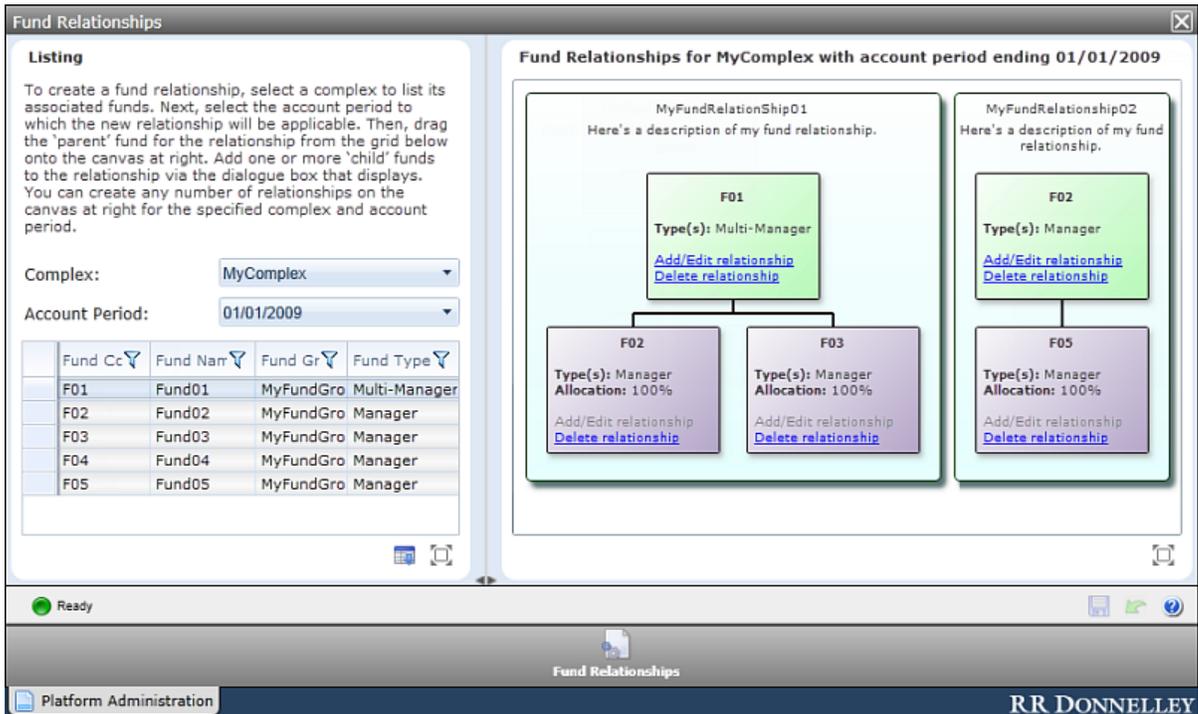   b. The following fund relationship types are available for assignment to a fund:

        i. *Consolidated*

       ii. *Feeder*

      iii. *Hedge Class*

      iv. *Manager*

       v. *Master*

      vi. *Multi-Manager*

     vii. *Overlay*

    viii. *Pool*

      ix. *Pooled Composite*

> **Note:**
>
> This setting does not have any impact on the funds available when creating a fund relationship.

2. The ***Listing*** pane of the existing **Fund Relationships** page was updated to include a grid that displays the fund group and assigned fund relationship type(s) for the respective funds listed.

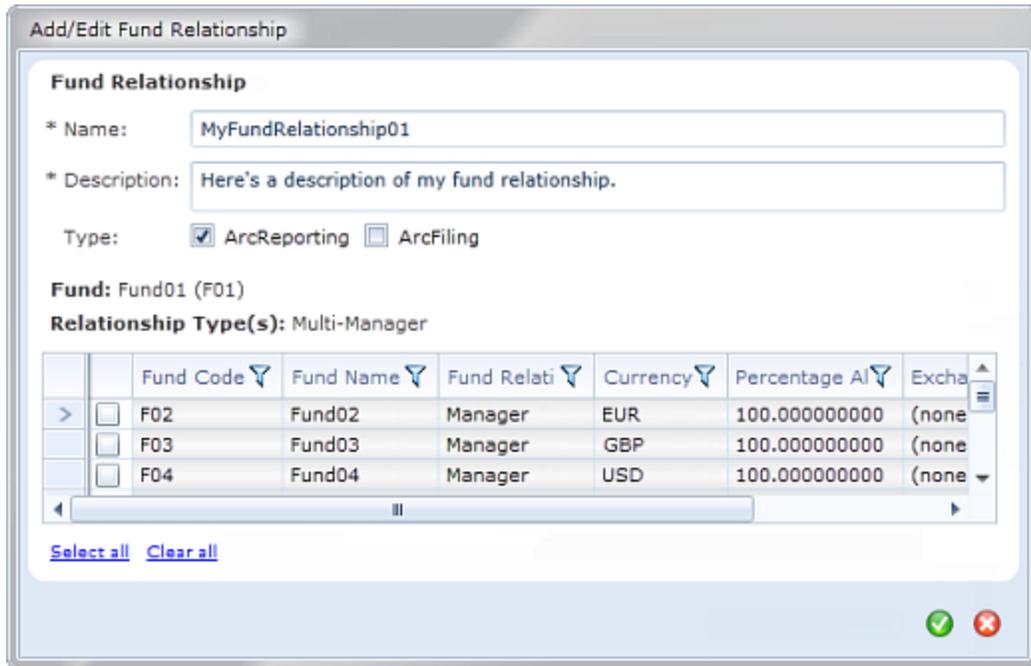3. Users can create new relationships by dragging a fund from the *Listing* pane to the *Fund Relationships* pane:

a. Dragging a fund to the *Fund Relationships* canvas at right makes it the "parent" fund of the relationship.

b. Users can click the *Add/Edit relationship* link on the parent fund to open the **Add/Edit Fund Relationship** pop-up dialogue.

i. The user provides a name and description for the relationship.

ii. The user specifies the type of the relationship.

  A. *ArcReporting*

    1. This check box is selected by default when a new fund relationship is created.

    2. Selecting the check box designates the fund relationship as applicable to the ArcReporting product.

  B. *ArcFiling*

    1. Selecting the check box designates the fund relationship as applicable to the ArcFiling product.

iii. The fund name and code of the fund that was dropped onto the canvas (*i.e.*, the "parent" fund) is displayed on the dialogue.

iv. A comma-delimited list of the fund relationship type(s) assigned to the "parent" fund is displayed on the dialogue.

v. A grid is displayed on the dialogue, in which one row is displayed for every fund associated with the specified complex, except the "parent" fund.

A. The following columns are displayed in the grid, and in the following order from left-to-right:

1. <no column header>

a. A check box is displayed in the column for each row in the grid.

b. When the check box is selected, the associated fund will be added to the fund relationship.

c. When the check box is cleared, the associated fund will be removed from the fund relationship (if it had been previously added).

2. *Fund Code*

a. Displays the code of the fund.

3. *Fund Name*

a. Displays the name of the fund.

4. *Fund Relationship Type(s)*

a. Displays a comma-delimited list of the fund relationship type(s) associated with the fund via the *Fund Relationship Types* tab on the **Funds** page.

5. *Currency*

a. Displays the base currency of the fund.

6. *Percentage Allocation*

a. The value of cells in this column is set to *100.00* by default.

i. In this product release the user will not be able to change this setting.

7. *Exchange Rate*

    a. The value of cells in this column is set to *(none)* by default.

        i. In this product release the user will not be able to change this setting.

        ii. All exchange rates will be deemed to be a one-to-one match.

  vi. Clicking the *Accept* button at lower-right of the dialogue adds the "child" fund(s) under the "parent" fund.
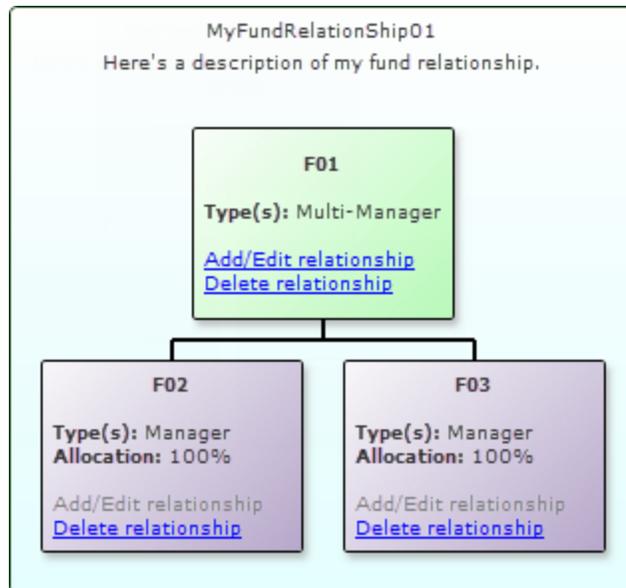
  c. Any existing fund relationships in the database will be updated automatically to the new format upon database update to version 2.1.0.

4. The *Holdings* tab of the **Fund Holdings** page was enhanced to show securities from all the funds in a given relationship. In addition, two new columns were added to the grid on the tab:

  a. *Related Fund Code*

    i. Displays the code of the fund.

  b. *Related Fund Currency*

    i. Displays the base currency of the fund.

> **Note:**
>
> Both fields will only be populated for the child funds in a given relationship when viewing the parent fund's holdings.

5. Users can now designate a portfolio statement template as a consolidated statement by selecting the new *Consolidated Statement* check box in the *Settings* section of the **Portfolio Statement Templates** page.
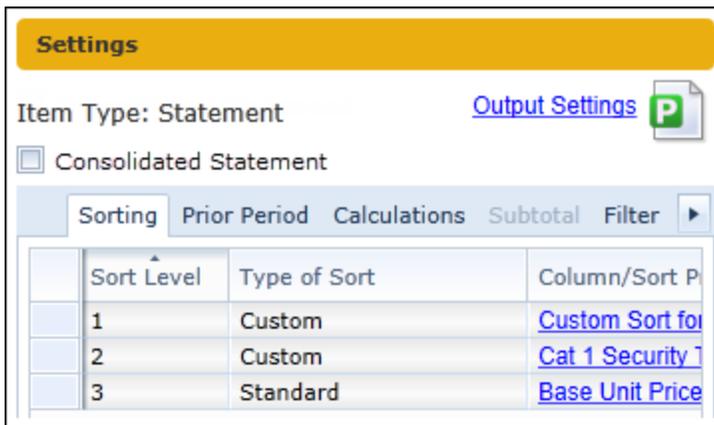
a. Selecting the check box aggregates the numerical fields of all securities, based on their master identifier.

    i. Where categorization or text field differences exist between the parent and child securities, the values in the parent security will be used.

> **Note:**
>
> The primary portfolio statement will drive the values for all other portfolio statements. Therefore the values/consolidation done in the primary statement will be seen in all portfolio statements, even if the *Consolidated Statement* check box is cleared.

Process Changes

No changes to current processes are required.

6. Holdings Data Extract output file enhancements

Overview

Columns in the Holdings Data Extract output file were enhanced to facilitate the display of all category types assigned to a given fund via the **Fund Report Settings** page, as well as the associated category code for each. If more than one category type is assigned to a fund, the types and codes will now appear as comma-delimited lists within the respective cells of the output file. The content and structure of the Holdings Data Extract output file was also updated so that it may now be used as the source file for a Holdings data import via the *Holdings* tab of the **Fund Holdings** page.

What's New

1. The existing *CategoryTypeCodeList* and *CategoryCodeList* fields in the Holdings Data Extract output file were enhanced so that all the category types assigned via the **Fund Report Settings** page, and the associated category codes, display in the respective fields.

    a. When more than one category type is assigned to a given fund, each field contains a comma-delimited list of the respective values.

        i. If more than one code is defined for a given category via the **Category Libraries** page, only one code will be displayed for that category in the list.

    b. The two fields will always contain the same number of values (or commas), as there is a 1-to-1 relationship between them.

    c. The *CategoryTypeCodeList* field will only display the *NMFP* category type and the associated category code when the export is generated using the ArcFiling product; when the export is generated using the ArcReporting product, all ArcReporting category types will display.

2. 50 additional columns are now included in the Holdings Data Extract output file, so that it can be used as a source file for a Holdings data import, if desired.

3. The Output Queue *Type* value for the Holdings Data Extract was updated for the sake of clarity/consistency:

    a. When the *FundSuiteArc* format is specified for export, the *Type* value is now *Holdings Data Extract (FundSuiteArc)*.

b. When the *FundSuite SX* format is specified for export, the *Type* value is now *Holdings Data Extract (FundSuite SX)*.

> **Note:**
>
> The FundSuite SX extract remains unchanged with this enhancement.

Process Changes

No changes to current processes are required.

7.　Ability to lock a project or its components

Overview

FundSuiteArc now allows users with appropriate rights to "lock" an entire project, specific chapters, sections or individual project components. Once a project component is locked, it will be disconnected from the associated project template, and any subsequent edits to underlying data or the template will not be reflected in the project. An audit report was also created to track locking/unlocking of project components.

What's New

1. A *Lock/Unlock Project Components* user right was added beneath the existing *Open Project Page (ArcFiling)* user right. If a user has this new right assigned to one or more roles with which they are associated, they can lock or unlock an entire project or any of its components.

2. A locked/unlocked visual indicator and toggle button (🔒/🔓) was added at lower-left of the *Components* tab of the **Project** page that allows any user to see the state of a selected project component or container, and for users with appropriate rights to change the state from *unlocked* (default) to *locked* and vice versa.
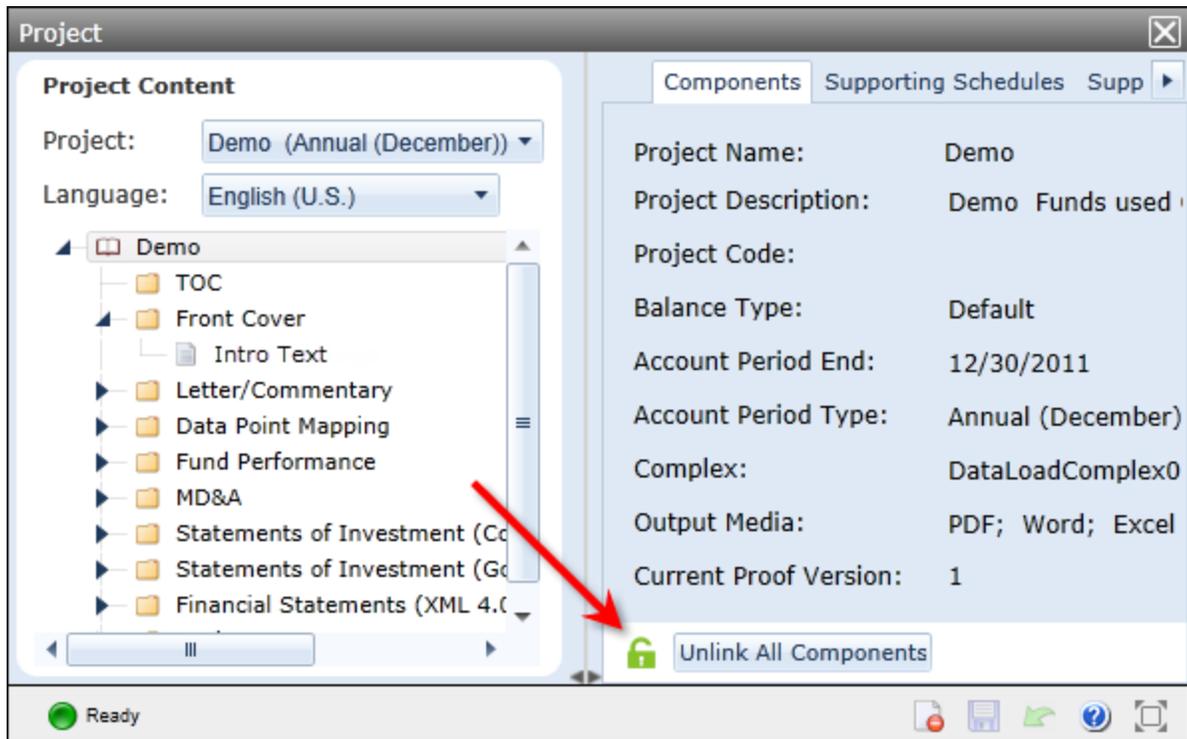
Note:

Project components of type *Image* do not currently support locking/unlocking functionality. Therefore, no visual indicator/toggle button is displayed for them on the *Components* tab.

a. When a given component or container (*i.e.*, the topmost *project* node, a chapter or section) is in an unlocked state, the toggle button displays the *unlocked* image (🔓). Users with the new *Lock/Unlock Project Components* user right can click the button to lock the component.

    i.   When a component is locked, it cannot be edited via the **Project** page.

    ii.   When the entire project or a chapter or section therein is locked, all components contained within the locked container are locked.
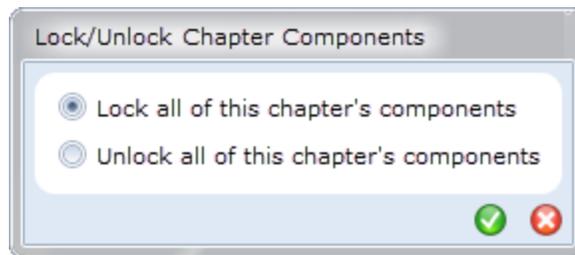
> **Note:**
>
> If the project contains any components of type *Image* (for which locking/unlocking functionality is not available, and which are always therefore unlocked), the entire project can never be fully-locked.

    iii.   When at least one component in a project is locked, the entire project is disconnected from the associated project template. As such, any edits made to the template or its components will not be reflected in the project unless all components of the project are again unlocked, and the project is manually re-connected to its project template.

b. When a given component or container is in a locked state, the toggle button displays the *locked* image (🔒). Users with the new *Lock/Unlock Project Components* user right can click the button to unlock the component.

    i.   When a component is unlocked, it can be edited via the **Project** page.

    ii.   When the entire project or a chapter or section therein is unlocked, all components contained within the unlocked container are unlocked.

    iii.   When all components of a disconnected project are in an unlocked state, the project can be manually re-connected to its project template, at which point any edits that had been made to the project's template and/or components while it was locked will be incorporated into the project.

c. When only some of the components in a given section, chapter or project are locked, the toggle button for the container displays the *partially-locked* image (🔒). Users with the new *Lock/Unlock Project Components* user right can click the button to either lock or unlock all components within the container.

    i.   When the button is clicked, a dialogue displays that allows the user to specify whether to lock or unlock the container's components.
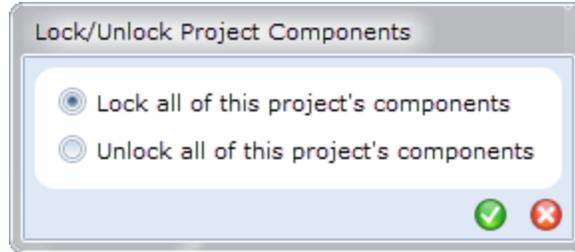
(project-level)

(chapter-level)
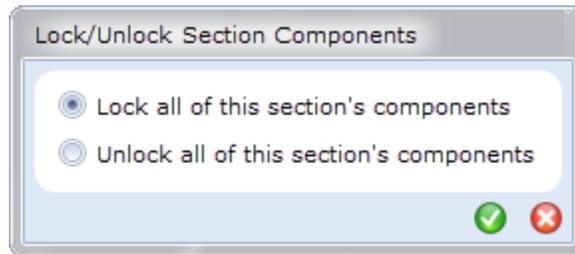
(section-level)

ii. Based on the option specified, all components in the container are locked or unlocked.

3. A *locked* (🔒) or *partially-locked* (🔒) visual indicator now displays at left of the project node or any chapter or section node in the tree view pane of the **Project** page if some number of components in that container are in a locked state.

    a. If all components in a given container are in a locked state, the *locked* image displays.
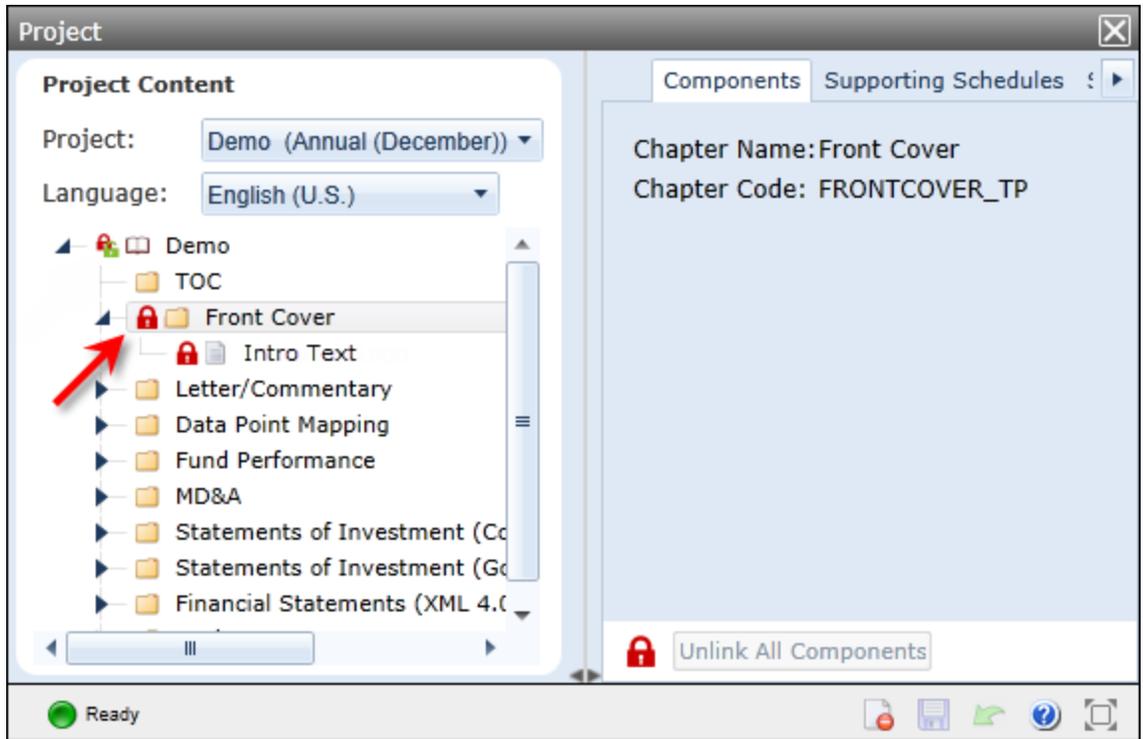
> **Note:**
>
> If the project/chapter/section contains any components of type *Image* (for which locking/unlocking functionality is not available, and which are always therefore unlocked), the entire container can never be fully-locked, and this image will never be displayed at left of the node.

b. If only some of the components in a given container are in a locked state, the *partially-locked* image displays.
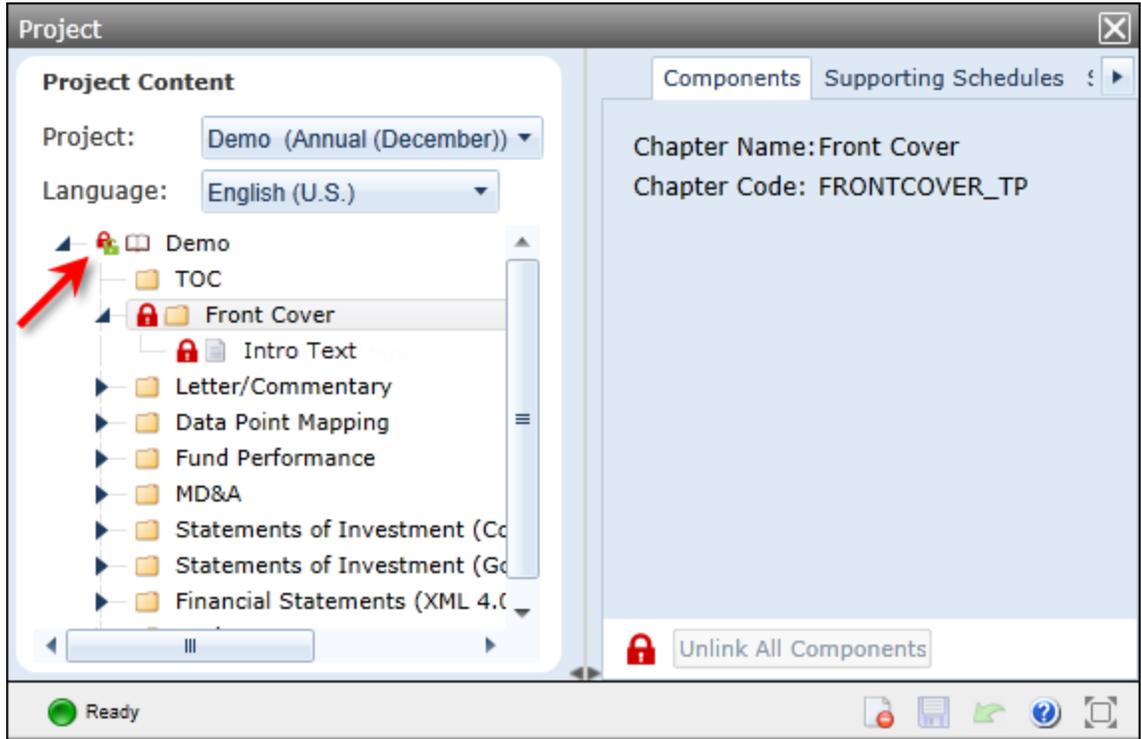
c. If no components in a given container are in a locked state, no image at all displays at left of that node.

4. A locked (🔒) visual indicator now displays at left of any component node in the tree view pane of the **Project** page if that component is in a locked state.
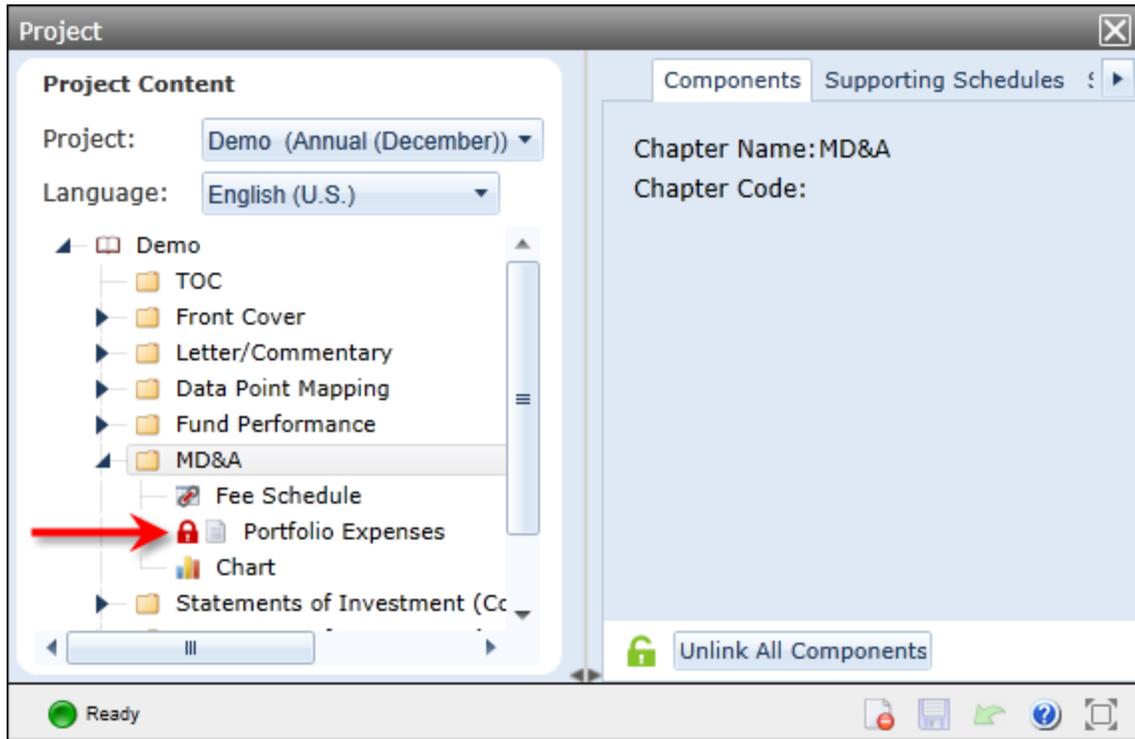
  a. If a given component is in an unlocked (the default) state, no image at all displays at left of that node.

5. A new **Project Locking Audit Report** page was added to the application, through which users can produce a report that tracks all locking/unlocking activity associated with a given project. The report is accessed via a new menu item of the same name, under the **Reports** menu section on the *Filings Workspace* tab.

  a. Users can specify the following criteria/parameters against which to run the audit report:

    i. Complex

    ii. Fund Group

    iii. Fund

    iv. Account Period

    v. Editing User

      vi.   From Date

     vii.   To Date

   viii.   Project

b. When a user clicks the *Search* button (🔍) at lower-right of the *Search Criteria* pane, any project component locking/unlocking events that match the specified criteria display in a results grid in the lower portion of the page.

c. A user can export report results to any of various file formats by carrying out the steps below:

    i. The user clicks the *Export data* button (📥) at lower-right of the results grid.

       The **Export Grid Data** dialogue displays with the export file format options.
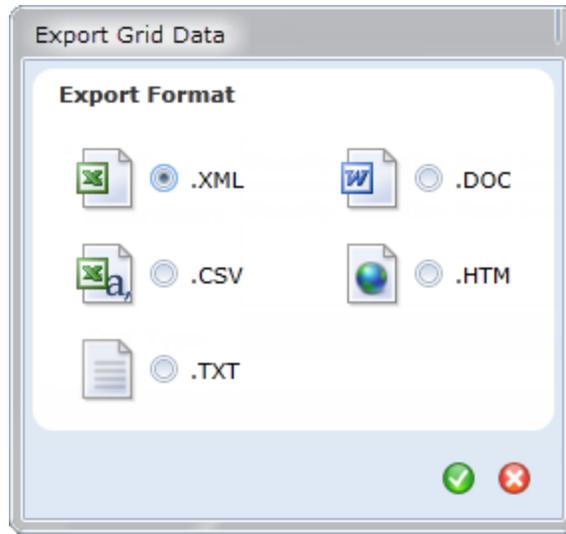
    ii. The user specifies the desired file format, and then clicks the *Accept* button (✅) at lower-right of the dialogue.

iii. The user designates the export location and file name on the **Save As** dialogue that displays.
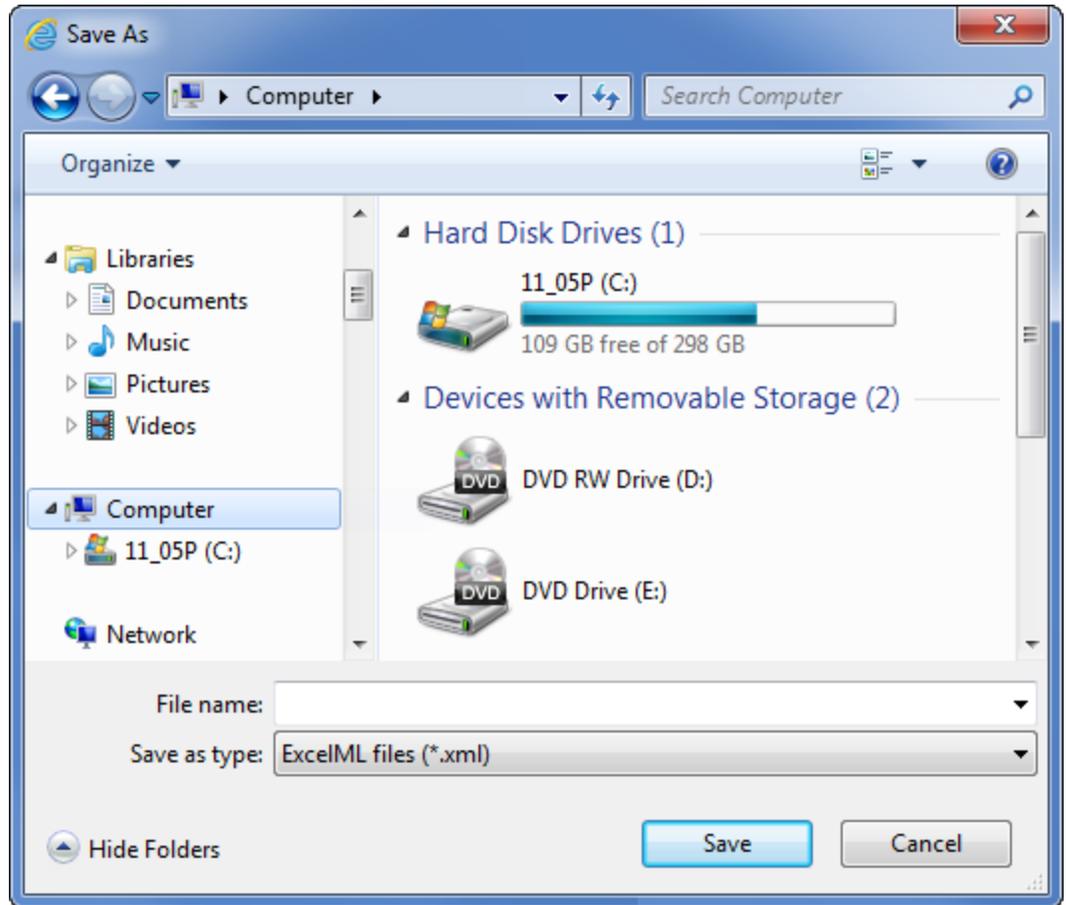
Process Changes

No changes to current processes are required.

8.   Access control over text and image library content/settings

Overview

Managers of FundSuiteArc users can now associate a specific production team with a given text or image library. The production team association of a library restricts users not assigned to the specified team from viewing/editing the content and settings for that library.

What's New

1. The existing *Production Team* drop-down list on the **Text Libraries** page was made functional (it had not been in previous versions of FundSuiteArc), so that managers can restrict editing access to a given library to only those users associated with the specified production team.
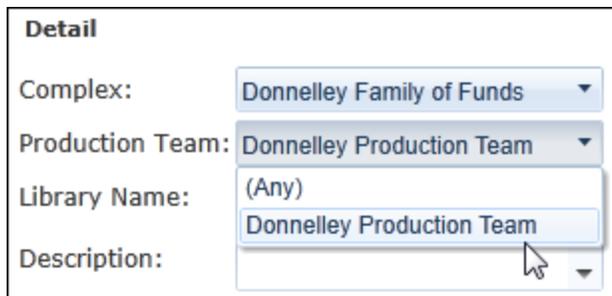
    a. Available drop-down list selections are the following:

        i. *(Any)*

        ii. <production teams associated with the same complex as the currently-selected text library, and that are available to the current user's profile>

    b. When creating a new text library, the list of available production teams in the drop-down list will not be generated until a *Complex* selection is specified.

        Note:
        Once a text library is created and saved, the *Complex* drop-down list becomes disabled, preventing its selection from being changed.

    c. Only users that belong to the specified production team are allowed to edit the text and other data for a given library; if a user opens a text library and does not belong to the specified production team, the user will not be allowed to make any changes to any data for that library.

    d. If the specified production team for a given text library is *(Any)*, any user having the *Open Text Libraries Page (ArcFiling)* user right assigned can make changes to data pertaining to that library.

2. The existing **Production Team** drop-down list on the **Image Libraries** page was made functional (it had not been in previous versions of FundSuiteArc), so that managers can restrict editing access to a given library to only those users associated with the specified production team.

    a. Available selections are the following:

        i. *(Any)*

        ii. <production teams associated with the same complex as the currently-selected image library, and that are available to the current user's profile>

    b. When creating a new image library, the list of available production teams in the drop-down list will not be generated until a **Complex** selection is specified.

        i. If a **Production Team** selection is specified, and then the user changes the **Complex** selection, the **Production Team** selection will be cleared and the list of production teams in the drop-down list will be replaced by a new list of teams that belong to the specified complex.

    c. Only users that belong to the specified production team are allowed to edit the images and other data for a given library; if a user opens an image library and does not belong to the specified production team, the user will not be allowed to make any changes to any data for that library.

    d. If the specified production team for a given image library is *(Any)*, any user having the *Open Image Libraries Page (ArcFiling)* user right assigned can make changes to data pertaining to that library.

Additional Information

The *Production Team* drop-down list was removed from the *Content* tab of the **Project Templates** page in association with chapters and sections, given that it was not functional nor linked to any user rights.

Process Changes

No changes to current processes are required.

9.   "Security Caption" field increased to 1,024 characters

Overview

Users may now specify a *Security Caption* value of up to 1,024 characters in length for any given security, either directly via the user interface, or by means of a Holdings FTP dataload or Excel data import. Previous to this enhancement, FundSuiteArc database settings only allowed for the storage of a caption that was at most 256 characters in length.

What's New

The capacity of the database field containing security caption text was increased to 1,024 characters to facilitate the entry/import, display, and output of lengthy security captions. The following application locations were affected by this update, in the manner specified:

1. **Fund Holdings** page, *Holdings* tab

    a. Now supports long values in the *Caption* field.

2. **Global Holdings Review** page

    a. Now supports long values in the *Caption* and *Security Name* fields.

3. **Holdings Data Extract** page

    a. Now supports long security names in the *SecurityName* field (FundSuiteArc extract) or *Security Caption* field (FundSuite SX extract) of the output file.

4. **New Securities Report** page

    a. Now supports long security names in the *Security Caption* field of the output file.

5. **Project** page, *Components* tab (with a portfolio statement selected in the tree view)

    a. Now supports preview of long security names.

6. **Same Security Prior Period Report** page

    a. Now supports long security names in the *Security Name* field of the output file.

7. **Securities Audit Report** page

   a. Now supports display of long values in the *Security Name* field.

8. **Security Libraries** page, *Security Captions* tab

   a. Now supports display of long values in the *Caption* field.

9. **Security Libraries** page, *Security Captions* tab, **Edit Security Caption** dialogue

   a. Now supports entry of long strings in the *Caption* field.

Additional Information

The SEC has not increased the length of the *Item 27 - Title of Investment* field for Form N-MFP (managed and submitted via the ArcFiling product), and a title that has more characters than the maximum of 150 will still fail the Form N-MFP schema.

Process Changes

Portfolio statement template settings should be updated in cases where workarounds were implemented in the past to overcome the previous database field limitations, such as placing a portion of the *Caption* text into another database field.

10. Conditional display options for security data points

Overview

Several options were added to the *Format Items* tab of the **Portfolio Statement Template Output Settings** page that allow for the conditional display of data points mapped to any security-type statement items. These *Conditional Display* options were added to assist in the control of common output template logic, such as the need to display the currency symbol for the first security that displays on a page, or to suppress a security's currency code if it is the same as the previous security, etc.

What's New

1. A *Conditional Display* section and a series of associated check box options were added to the *Format Items* tab of the **Portfolio Statement Template Output Settings** page.
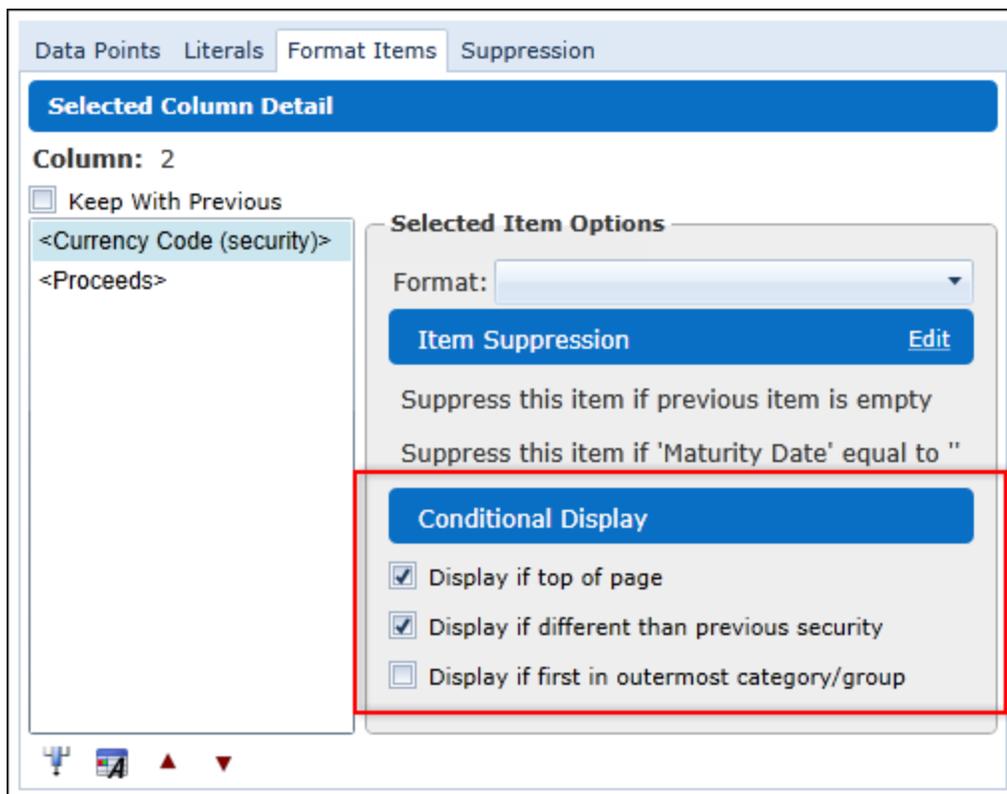
a. The following check box display options are available for selection (any one, or combination of the options can be selected):

    i. *Display if top of page*

        A. This option allows the user to determine if the selected data point should only be displayed when the line appears on the top of the page or column.

    ii. *Display if different than previous security*

        A. This option allows the user to determine if the selected data point should be displayed only when its value is different than the value of the same data point for the previous security.

    iii. *Display if first in outermost category/group*

        A. This option allows the user to determine if the selected data point should be displayed only when it if the first record to appear within an outermost category or group.

> **Note:**
> If none of the check box options are selected for a given data point, the data point will always display.

2. *Currency Caption (security)* and *Currency Symbol (security)* were added to the list of mappable data points of type *Security* on the **Data Points** tab of the **Portfolio Statement Template Output Settings** page. Both fields can be used in conjunction with the **Conditional Display** options described above.

Process Changes

No changes to current processes are required.

# 11. Ability to push library changes across account periods

Overview

Users can now push changes made within text, issuer and category libraries to selected reporting periods within a given complex.

What's New

1. A *Push Changes Across Periods* user right was added to govern users' access to new functionality which enables them to apply account period-specific changes made to content to other reporting periods.

   a. The new right was added beneath each of the following existing rights:

      i. *Open Category Libraries Page (ArcFiling)*
      ii. *Open Issuer Libraries Page (ArcFiling)*
      iii. *Open Text Libraries Page (ArcFiling)*

2. A new **Push changes** button ( ) was added to various locations within the application. The button becomes enabled if a change is made to content and/or settings therein, allowing users with appropriate rights to apply the change(s) to other reporting periods.

   a. The button is available in the following application locations:

      i. **Category Libraries** page, *Categories* tab
      ii. **Issuer Libraries** page
      iii. **Text Libraries** page, text editing pane

b. Clicking the *Push changes* button causes the **Push Changes** pop-up dialogue to display.
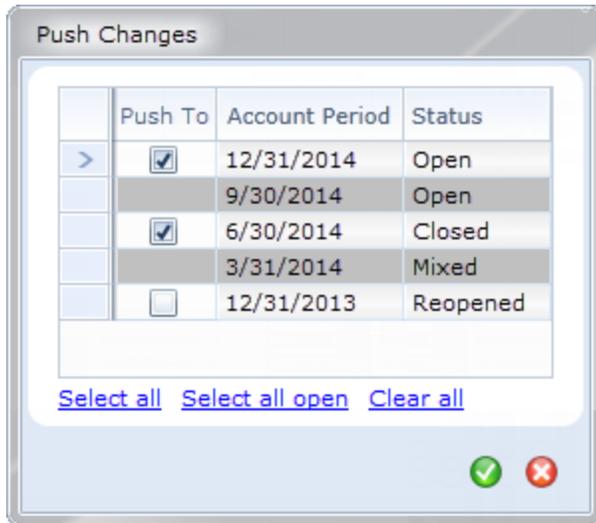
i. All account periods assigned to the complex in which the changes are being made are listed in the grid of the dialogue.

ii. The status (*i.e.*, *Open*, *Reopened*, *Closed* or *Mixed*) for each account period, as governed by the **Fund Report Settings** page, is displayed in the *Status* column of the grid.

iii. A check box is displayed in the *Push To* column for each account period, with the exception of the period for which the change is currently being made, and any periods with a status of *Mixed*.

   A. One or more of the check boxes may be selected.

   B. Clicking the *Select all* link at lower-left of the dialogue will select all selectable account periods in the grid.

   C. Clicking the *Select all open* link at lower left of the dialogue will select all account periods in the grid with a status of *Open* or *Reopened*.

   D. Clicking the *Clear all* link will clear any selected account periods in the grid.

iv. When the user clicks the *Accept* button (🟢) at lower-right of the dialogue, any changes made to the text content and/or field values are saved in association with the current account period and the account period(s) selected in the grid.

Process Changes

This functionality eliminates the need to manually copy/paste period-specific changes to other account periods.
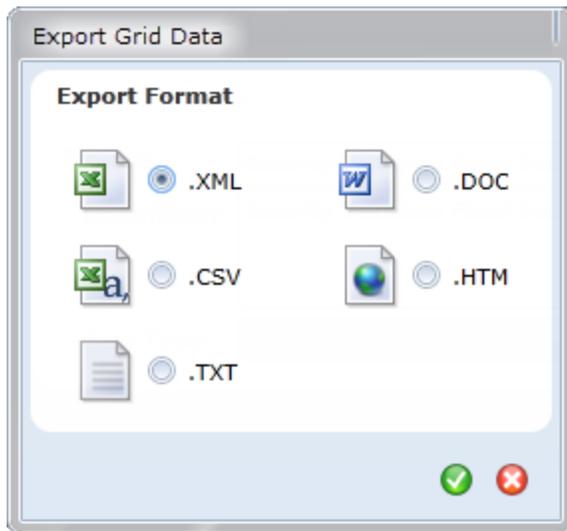
12. Formatting of numerical values in Excel extracts

Overview

Numerical values contained in various reports/extracts from ArcFiling (*e.g.*, Project Excel Export, Portfolio Preview Export, etc.) are now exported to Excel in cells using the *General* cell formatting option, rather than *Text*. All data grids throughout the FundSuiteArc platform that feature the standard *Data export* button also provide this functionality. With this update, users now have the ability to utilize standard numerical-data functionality in Excel without needing to reformat values.

What's New

1. The standard grid export feature available throughout FundSuiteArc via the *Data export* button (⬇) was enhanced so that numerical values in a given grid will be extracted in a numerical format when the *.XML* export format option is specified.

a. An export file of this type can be opened in Excel, and the cells of numerical values therein will now use the *General* formatting option, rather than *Text*. This allows users to leverage Excel's standard numerical-data functionality (*e.g.*, summing values, etc.) without the need to first reformat cells containing numerical data.

    b. While all grids that feature the standard *Data export* button benefit from this functional update, grids in the following commonly-used areas of FundSuiteArc are noteworthy:

        i. **Fund Holdings** page, *Holdings* tab

        ii. **Repo Holdings Collateral** page

2. Cells containing numerical values in the output file generated from via the **Project Excel Export** page will now use the *General* formatting option, rather than *Text*, allowing users to standard mathematical operations in Excel.

3. Export functionality was enhanced for the following component exports via the **Project** page, such that cells containing numerical values in the respective output files will now use the *General* formatting option, rather than *Text*:

    a. Portfolio Statement (via the *Export portfolio preview* button (🗖) on the *Components* tab)

    b. Tabular Data (via the *Export tabular data preview* button (🗖) on the *Components* tab)

> **Note:**
>
> Users may still need to manually format certain cells in an output file before being able to utilize various mathematical functions in Excel, if the cells contain both numerical values and footnotes or other characters.

Additional Information

- Only data points that come from a numerical field within the application will be updated to use the *General* formatting option in Excel output. Alphanumeric-type fields (*e.g.*, *CUSIP*, *Description*, etc.) will not be formatted to the above specifications.

- Where applicable, Excel exports attempt to follow decimal assignments made by users in the application.

Process Changes

These enhancements remove the need to manually format cells in Excel export files in order to use mathematical features in Excel.

13. Improved ability to view large numbers of records in data load archive

Overview

Pagination and navigation controls were added to the *Details* and *Errors/Warnings/Info* tabs of the **Archive Details** page to facilitate the viewing of large numbers of records pertaining to dataloads/data imports.

What's New

1. A *Rows Per Page* spinner control was added at lower-left of the grid on both the *Details* and *Errors/Warnings/Info* tabs of the **Archive Details** page.

   a. By default, only 25 records are shown in the grid at a time, however the user may specify that any number of records between 25 and 1,000 displays in the grid.

2. The following pagination controls were added at lower-right of the grid on both the *Details* and *Errors/Warnings/Info* tabs of the **Archive Details** page:

   a. *First page* button

      i. Clicking the button causes the results grid to display the first "n" records in the database, where "n" is the specified *Rows Per Page* value.

   b. *Previous page* button

      i. Clicking the button causes the results grid to display the previous "n" records in the database, where "n" is the specified *Rows Per Page* value.

c. *Next page* button

    i. Clicking the button causes the results grid to display the next "n" records in the database, where "n" is the specified *Rows Per Page* value.

d. *Last page* button

    i. Clicking the button causes the results grid to display the last "n" records in the database (or those which exist beyond some multiple of "n"), where "n" is the specified *Rows Per Page* value.

e. Page number text box

    i. One set or "page" of records exists and can be displayed for every "n" records in the database, where "n" is the specified *Rows Per Page* value.

    ii. The value specified in the text box dictates the page of records that displays in the grid.

Additional Information

Data filtering and other grid functionality will be effected on all records that would normally be displayed in the grid; not only the currently-displayed page of records.

Process Changes

This enhancement eliminates scenarios wherein a user would historically need to contact RR Donnelley to retrieve data archive information for data imports with a large number of records.

14. Column spanning functionality in portfolio statement template output settings

Overview

Existing cell spanning functionality for tabular data template output settings was adapted for use with portfolio statement templates, allowing users to merge cells across columns via the **Portfolio Statement Template Output Settings** page.

What's New

Functionality was added to the **Portfolio Statement Template Output Settings** page that enables users to horizontally span cells in a given row of the *Mapping* grid.

> **Note:**
> Portfolio statement templates only support horizontal column spanning; portfolio statement templates do not support the ability to vertically merge cells across rows.

1. A *Span cells* button (🔲) was added at lower-left of the *Mapping* grid on the **Portfolio Statement Template Output Settings** page to allow the merging of cells.

   a. This button is enabled when any cell in the grid is selected.

   b. Clicking the button causes the **Span Cells** pop-up dialogue to display.
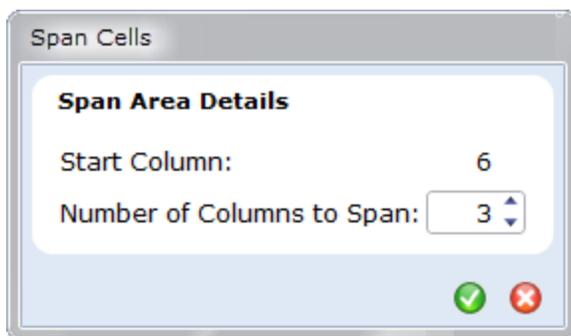
i. The user can specify the number of columns to span in the corresponding spinner control on the dialogue.

    A. The minimum possible number of columns to span is *1*.

    B. The maximum possible number of columns to span is limited to the number of columns between the currently selected cell (the identified *Start Column*) and the last column in the grid, plus 1; this prevents the span area from going beyond the allotted columns in the grid.

> **Example:**
>
> The mapping grid contains 5 columns. The selected column (*i.e.*, the *Start Column*) is column 3. Since the span cannot go beyond column 5, the user can only set *3* as the number of columns to span. The span in this instance would cover column 3, column 4 and column 5.

2. A *Remove span* button () was added at lower-left of the *Mapping* grid on the **Portfolio Statement Template Output Settings** page to allow the un-merging of merged cells.

    a. This button is enabled when any cell in an existing span area is selected in the grid.

    b. When the button is clicked, a confirmation message displays to alert the user that the span area will be removed if they choose to continue.

    c. Removing a span area does not remove the text contained within the merged cells; the content remains in the upper-left cell of the area which was previously merged.

Process Changes

This feature allows column spanning for portfolio statements to be controlled via the user interface, as opposed to by means of an output rule or a template style sheet. This change does not impact current statement template setups, but existing style sheets may need to be updated by RR Donnelley staff to take advantage of the new functionality.

Closed Defects

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

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Product	Module / Location	Description
ArcFiling/ArcReporting	New Securities Report	Adjusted query logic for the **New Securities Report** page to cause the correct list of new securities to return when the report is run for a specified fund group (*i.e.*, all funds in the group).
ArcFiling/ArcReporting	Holdings Import/Holdings Load Options	Fixed a defect that caused certain numeric database fields to be overwritten with a value of *0.00* when the data import source file contained no value for a given field and the ***Add to existing numeric values*** check box option was selected on the ***Security Balance*** tab of the **Holdings Import** dialogue or **Holdings Load Options** page.
ArcFiling/ArcReporting	Project output	Updated certain properties of the following previously-unusable output style types/table types to allow users to leverage them within the settings of portfolio statement templates and tabular data templates: ▪ Top 'N' - Purchases and Sales ▪ Fair Value - Assets and Liabilities ▪ Fair Value - Gain/Loss ▪ Net Gain/Loss on investments ▪ Other Gain/Loss
ArcFiling/ArcReporting	Project output	Project output formatting logic was updated to prevent incorrect information from being sent to the document processing service in cases where either *Bold* or *Italic* styles (or both) were applied to portfolio or tabular data template content by means of the **Format Column**, **Format Row**, **Format Cell** or **Format Item** dialogues.
ArcFiling/ArcReporting	Project output	Project output logic was updated to ensure that custom literals and the literals *hardreturn*, *softreturn*, *space* and *tab* render correctly when they are mapped in the output settings of portfolio or tabular data templates.

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