



FundSuiteArc Version 1.9.0 Release Notes

ArcFiling 1.9.0

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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

1. In order to run FundSuiteArc version 1.9.0, the user must download and install Silverlight 5 or higher. When attempting to first log into a FundSuiteArc environment at version 1.9.0, the application verifies that the Silverlight browser plug-in is up-to-date and if not, begins the download and install process.

Note:

Typically, only a user with administrative rights to his/her workstation may install browser plug-ins and this may require support from their local IT personnel.

2. The Class Information data import was upgraded to accept modern Excel (XLSX) source files. After upgrading to FundSuiteArc version 1.9.0, users will be required to use the new Class Information data source file format (XLSX) when importing class information via the **Class Information Import** dialogue. The new Excel import template can be downloaded via the **Class Information** page.

Note:

This change does not impact loading of class information using FTP; no changes to TXT or XML source files are required in order to load data by that means.

3. After upgrading to FundSuiteArc version 1.9.0, users may notice that data points within text library snippets will lose some previously-applied formatting (e.g., bold, italic, underline, etc.). If a given data point loses its formatting after upgrading, the formatting can be re-applied in version 1.9.0 and it will remain. This is a one-time issue pertaining to the upgrade to version 1.9.0. This issue only impacts data points; all other text formatting will remain as applied.



Enhancements Requiring User Decisions

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



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. Files saved from Output Queue provide appropriate file extensions

The Output Queue allows users to view or save files that have been generated by FundSuiteArc. When saving specific output files to a local or network drive, FundSuiteArc now provides the appropriate file extension.

2. User rights to govern opening or deletion of FundSuiteArc templates

In previous versions of FundSuiteArc, a user with access to a given template page was not restricted from deleting templates of that type. User rights were added to control a user's ability to open or delete specific templates based on the assignment of such rights.

3. Ability to batch print portfolio statements and tabular data tables to Excel

Users need to review various statements contained in the Shareholder Report and often perform this review in Excel. FundSuiteArc now supports batch exporting of all statement data into Excel. The batch export feature is accessible from multiple areas of FundSuiteArc.

4. Output request performance improvements

FundSuiteArc document processing logic was enhanced to more quickly move output requests to the Output Queue.

5. Enhancements to Users page

The **Users** page in the Platform Administration area was enhanced to create a more controlled environment within FundSuiteArc, ensuring the security of user information.

6. Ability to add a default language to a complex

A **Default Language** field was added to the Complex level of the **Funds** page. Once the default language is specified on the **Funds** page, any newly-created templates or libraries automatically have that language added as their default, based on the complex with which they are associated.

7. Holdings data import/dataload: Ability to increment numeric values

FundSuiteArc was enhanced to allow the loading of individual transactions and have FundSuiteArc add or subtract the value from the value that already exists. For example, if the fund has an as of trade that needs booked to the holdings, the user can load a file with the additional shares, cost and market value and the

Holdings load adds or subtracts those values to/from the existing values. This functionality exists only for the Holdings FTP dataload and Holdings data import.

8. Holdings data import/dataload: Option to ignore blanks during import

Prior to this enhancement if a blank value was provided in a Holdings import source file and the overwrite settings were set to *True*, any data in FundSuiteArc for that field was cleared. FundSuiteArc now allows the user to choose whether or not to ignore blanks or to update existing values with blanks during a fund holdings dataload (FTP) or Excel push-button data import.

9. Holdings data import: Ability for multiple users to import simultaneously

Previously, only a single file could be in the Holdings data import/dataload process and other load requests were forced to wait until the existing load was completed to begin. This limitation was removed. FundSuiteArc now allows multiple users to import fund holdings data without conflict.

10. Class Information data import/dataload enhancements

The goal of this functionality is to allow users to load Class Information data with a source file that only contains the fields the user wants to update. Similar to the Holdings data import/dataload, only the required fields must be present in the file and the fields can be in any order.

11. Category Captions data import enhancements

The Category Captions push-button data import was enhanced to support a maximum of 1024 characters in the *CategoryCode* field.

12. Ability to export/import/copy project templates

The goal of this feature is to allow users to copy or import existing project templates to create new templates. A project template can be exported to a file of XML format, saved to a local or network drive and then imported (into the same or a different database) to create a new project template. This functionality mimics that of the current export/import/copy functionality for portfolio statement templates.

13. Support for Internet Explorer 9 and 10; Windows 7 and 8

FundSuiteArc now supports the use of Internet Explorer 9 and Internet Explorer 10 web browsers and the Windows 7 and Windows 8 operating systems.

14. 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 by means of a new **Global Holdings Review** page.

15. **Holdings data import/dataload: Additional description fields**

The number of *Description* fields available for use with fund holdings data in FundSuiteArc was increased.

16. **More rows supported in tabular data output settings**

Tabular data templates in FundSuiteArc now support significantly more rows for data entry.

17. **New Securities Report**

A New Securities Report was added to FundSuiteArc to alert users when new securities are added to a given security library. The report can be run for a single account period across one or more complexes, one or more fund groups, or one or more funds.

18. **Class Information data import/dataload: Additional fields**

New fields were added to the Class Information push-button data import/FTP dataload source files.

19. **Ability to specify multiple conditions for a "Conditional Value" data point in a text library snippet**

Enhancements were made to existing conditional text mapping via the **Text Libraries** page to allow for multiple conditions within a text snippet. A user can now specify up to 10 conditions.

20. **Additional output style user controls**

User controls affecting the output style of text snippets were enhanced within FundSuiteArc. These updates can be seen in the text editor of the **Text Libraries** page.

21. **Upgrade to Silverlight 5**

FundSuiteArc was upgraded to use Silverlight 5 in order to support Windows 7 and 8 and Internet Explorer 9 and 10.

22. **Ability to load and display multiple fund holdings balance sets for a fund/account period**

A user can now load holdings multiple times for the same fund and account period. In these cases the security library and category library information is the same, but the security balance information (e.g., Cost, Shares, Market Value, etc.) is different. A user can view and adjust both sets of data on the **Fund Holdings** page and create projects for each set.

23. **Updates to user rights names**

The text that displays for user rights on the **Roles** and **Users** pages was updated in the interest of clarity and naming consistency, both across the user rights themselves and with regard to the respective application

pages associated with the rights. These updates do not affect existing rights/roles associations nor existing role assignments to users.

24. **Training videos available via online Help system**

A series of self-paced training videos was made available to users as part of the FundSuiteArc online Help system. The videos in the collection offer tips on efficient use of application pages, best practices, common tasks, etc. The entire collection of videos can be found in the *Self-paced Training Videos* topic and individual videos appear within various other Help topics, as appropriate.

25. **Statement preview caching: Behavioral change to portfolio statement previews in projects**

In order to enhance the performance of portfolio statement previews on the **Project** page, FundSuiteArc will now cache the preview data once the user has viewed a statement. If the user navigates away from the statement and subsequently returns, the preview will not regenerate statement values, but instead will use the cached preview data, thus making the preview display much more quickly. The cached preview data will also be used when generating output, which will also decrease the time in which output requests are returned to the user.



Enhancements Common to Multiple Products

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

1. Files saved from Output Queue provide appropriate file extensions

Overview

The Output Queue allows users to view or save files that have been generated by FundSuiteArc. When saving specific output files to a local or network drive, FundSuiteArc now provides the appropriate file extension.

What's New

When a user clicks the **Save** link for a file in the Output Queue, the appropriate file extension displays in the **Save as type** field of the **Save** dialogue. The output types and associated file extensions are listed in the following table:

Output Type	File Extension	Product
Project: PDF	.PDF	ArcReporting/ArcFiling
Project: Word	.DOC	ArcReporting/ArcFiling
Project: Excel	.XLS	ArcReporting/ArcFiling
Project: EDGAR HTML - PDF	.ZIP	ArcReporting/ArcFiling

Process Changes

No changes to current processes are required.

2. User rights to govern opening or deletion of FundSuiteArc templates

Overview

In previous versions of FundSuiteArc, a user with access to a given template page was not restricted from deleting templates of that type. User rights were added to control a user's ability to open or delete specific templates based on the assignment of such rights.

What's New

A user can now delete templates in FundSuiteArc only when a specific user right is assigned. If a user is not assigned the corresponding user right for a certain template type, the **Delete** button (🗑️) on the template page is disabled. If a user does not have the right to open a specific template type, the associated menu item in FundSuiteArc is disabled.

User rights added or amended

1. Open Document Structure Templates Page
 - a. Allows a user to open/edit the **Document Structure Templates** page.
 - b. For ArcFiling, the existing user right name was changed from *Open NMFP Structure Template Page*.
2. Delete Document Structure Templates
 - a. Allows a user to delete a document structure template.
 - b. Located as a child of the *Open Document Structure Templates Page* right.
3. Open Portfolio Statement Templates Page
 - a. Allows a user to open/edit the **Portfolio Statement Templates** page.
 - b. For ArcFiling, the existing user right name was changed from *Open NMFP Portfolio Statement Template Page*.

4. Delete Portfolio Statement Templates
 - a. Allows a user to delete a portfolio statement template.
 - b. Located as a child of the *Open Portfolio Statement Templates Page* right.
5. Open Project Templates Page
 - a. Allows a user to open/edit a project template.
 - b. For ArcFiling, the existing user right name was changed from *Open NMFP Project Template Page*.
6. Delete Project Templates
 - a. Allows a user to delete a project template.
 - b. Located as a child of the *Open Project Templates Page* right.
7. Open Tabular Data Templates Page
 - a. Allows a user to open/edit a tabular data template.
 - b. For ArcFiling, the existing user right name was changed from *Open NMFP Tabular Data Template Page*.
8. Delete Tabular Data Templates
 - a. Allows a user to delete a tabular data template.
 - b. Located as a child of the *Open Tabular Data Templates Page* right.

Process Changes

No changes to current processes are required.

3. Ability to batch print portfolio statements and tabular data tables to Excel

Overview

Users need to review various statements contained in the Shareholder Report and often perform this review in Excel. FundSuiteArc now supports batch exporting of all statement data into Excel. The batch export feature is accessible from multiple areas of FundSuiteArc.

What's New

The menu section on the *Filings Workspace* tab was updated to accommodate the export of statement data in Excel format.

1. The **Data Extract** menu section and its associated menu items were moved from the *Administration* tab to the *Filings Workspace* tab and the menu section name was changed to *Production Utilities*.



2. A *Project Excel Export* item was added to the **Production Utilities** menu section.



- a. Clicking the menu item opens the **Project Excel Export** page.
- b. **The Project Excel Export** page can also be opened by various means via the **Project** page:
 - i. Right-clicking on any portfolio statement or tabular data component on the **Project** page provides the user an *Export To Excel* context menu option. This option pre-selects the component that was right-clicked as the **The Project Excel Export** page opens so it alone can be exported. Once on the **The Project Excel Export** page, users may also select other statement components to print at the same time.
 - ii. Selecting a table or portfolio statement on the **Project** page and clicking the *Export multiple project items* button (📄) allows the user to export multiple project items.
 - iii. Clicking the *Project Excel Export* link at the lower-right of the *Output Management* tab on the **Project** page allows the user to export all items from the particular project.
- c. The assignment of the *Open Project Excel Export Page (ArcFiling)* user right is required to open the **Project Excel Export** page.
 - i. If the user right is not assigned to a user in the Platform Administration area, the menu item is disabled.

3. A **Project Excel Export** page was added to FundSuiteArc.
 - a. The user can select the project for which data will be exported.
 - i. The **Project** drop-down list contains projects specific to the account period and fund specified in the fund selection bar.
 - A. Opening the page via the menu item in the **Production Utilities** menu section defaults the **Project** value to the first project listed in the drop-down list.
 - B. Opening the page by clicking the link on the **Output Management** tab of the **Project** page defaults to the project being viewed.
 - b. After specifying the **Project**, a grid on the page populates with data that is specific to the specified project.
 - i. One row for each associated portfolio statement and tabular data component displays in the grid.
 - ii. The following information is contained in the grid:
 - A. Item Name - Displays the name of the item as it appears in the tree view of the selected project.
 - B. Fund Code - Displays the fund code associated with the item and is dependent on the chapter behavior assigned in the document structure template.
 1. **Common Content** or **No Repeat** - No fund code displays (as it is not specific to a fund).
 2. **All Funds - Repeat** - The fund code specific to the item displays.
 3. **All Funds - Single** - The text *multiple funds* displays.
 - C. Fund Name - Displays the fund name associated with the item and is dependent on the chapter behavior assigned in the document structure template.
 1. **Common Content** or **No Repeat** - Fund name is blank (as it is not specific to a fund).

2. *All Funds - Repeat* - The fund name specific to the item displays.
 3. *All Funds - Single* - The text *multiple funds* displays.
- D. Type - Displays the type of project component (portfolio statement or tabular data).
- E. Chapter - Displays the name of the chapter and fund code and is dependent on the chapter behavior assigned in the document structure template.
1. *Common Content* or *No Repeat* - Only the chapter name displays (as it is not specific to a fund).
 2. *All Funds - Repeat* - The chapter name and fund code specific to the item display.
 3. *All Funds - Single* - The chapter name and the text *multiple funds* display.
- F. Section - Displays the name of the project section and fund code and is dependent on the section behavior assigned in the document structure template.
1. *No Repeat* - Only the section name displays (as it is not specific to a fund).
 2. *All Funds - Repeat* - The section name and fund code specific to the item display.
 3. *All Funds - Single* - The section name and the text *multiple funds* display.
 4. If the item only resides in a chapter (and not a section), the cell is blank.
- c. Each project component row in the grid has an associated check box that allows the user to select which component(s) to output.
- i. Opening the page via the menu item in the **Production Utilities** menu section or by clicking the link on the **Output Management** tab of the **Project** page causes all check boxes to be cleared by default.
 - ii. Opening the page by right-clicking a component in the project tree view or clicking the **Export multiple project items** button (📄) causes the check box(es) associated with the selected component(s) to be selected.
- d. After selecting all appropriate components, clicking the **Generate output** button (📄) at lower-right of the **Project Excel Report** page sends the report request to the Output Queue.
- i. Once report processing is complete, the user can view the output document or save it to a local or network drive.

- ii. If no data exists for the selected project component(s), the resulting report is blank.
- iii. The Project Excel Report is only accessible through the Output Queue; it is not stored on the **Drafts** tab of the **Project** page.

Process Changes

No changes to current processes are required.

4. Output request performance improvements

Overview

FundSuiteArc document processing logic was enhanced to more quickly move output requests to the Output Queue.

What's New

1. A user can output multiple media types simultaneously from the **Project** page.
 - a. If no issues exist that would prevent a request for output from being submitted, the following occurs once the **Generate Output** button is clicked.
 - i. If one or more **Output Document Types** are selected:
 - A. The following message displays as soon as the request is added to the Output Queue:

"Output request submitted successfully. You may go to the Output Queue to check request status."

 1. Clicking the **OK** button closes the dialogue.

Note:

Only one such message displays, even when multiple output document types are selected for output.

- ii. If one or more **Output Blackline Types** are selected:
 - A. The following message displays as soon as the blackline request is added to the Output Queue (*i.e.*, once the PDF request has completed processing and the resulting PDF is returned).

"Blackline output request submitted successfully. You may go to the Output Queue to check request status."

 1. Clicking the **OK** button closes the dialogue.

Note:

Only one such message displays, even when multiple output blackline types are

selected for output.

2. The **Request Time** value in the Output Queue reflects the moment the request was added to the Output Queue.

Process Changes

No changes to current processes are required.

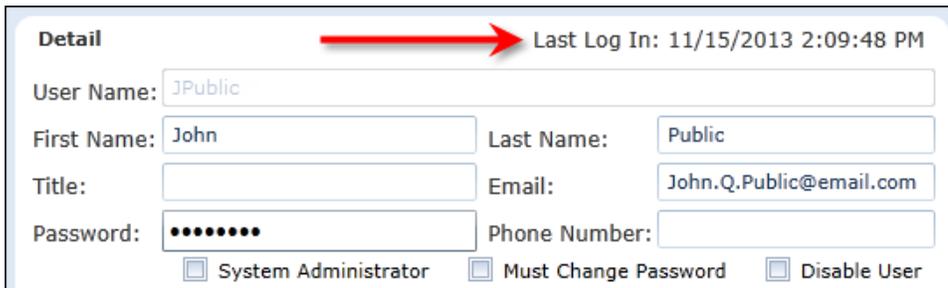
5. Enhancements to Users page

Overview

The **Users** page in the Platform Administration area was enhanced to create a more controlled environment within FundSuiteArc, ensuring the security of user information.

What's New

1. The **Users** page now displays a new **Last Login** label.



The screenshot shows a user detail form with the following fields and options:

- Detail** (header)
- Last Log In:** 11/15/2013 2:09:48 PM (highlighted with a red arrow)
- User Name:** JPublic
- First Name:** John
- Last Name:** Public
- Title:** (empty)
- Email:** John.Q.Public@email.com
- Password:** (masked with dots)
- Phone Number:** (empty)
- System Administrator
- Must Change Password
- Disable User

- a. The read-only text displays the data/time the currently-selected user last logged into FundSuiteArc.
 - i. The date displays according to the regional/localization settings of the local workstation into which the current user (administrator) is logged.
- b. The time is reflected according to the time zone settings of the local workstation into which the current user (administrator) is logged.

Example:

1. The currently-selected user works in New York and last logged into FundSuiteArc at 8:00 pm EST on a given date.
 - a. An administrator in Boston viewing the user record would see a **Last Login** time of **8:00 pm** EST on that date (since the two users' time zones are the same).
 - b. An administrator in Los Angeles viewing the user record would see a **Last Login** time of **5:00 pm** on that date (since the two users' time zones differ by 3 hours).

2. The *Add/Edit/Delete all Users* user right had its caption changed to *Add/Edit All Users*.
 - a. This user right is required to set values for the editable controls for new users or edit values for existing user on the **Users** page.
 - i. The following controls are disabled if the right is not assigned to the current user.
 - A. *User Name, First Name, Last Name, Title, Email, Phone Number* and *Password* fields.
 - B. *System Administrator, Must Change Password, Disable User* and *This user is a manager* check boxes.
 - C. All controls on the *Complexes, Roles, Rights, Business Units, Production Teams* and *Staff* tabs.
 - ii. The *Add new record* button () is disabled without the user right.
3. The *Delete All Users* user right was added (this user right was separated from the original *Add/Edit/Delete all Users* user right).
 - a. This user right is required to enable the *Delete* button ()
4. The *Change User Passwords* user right is required in addition to the *Add/Edit All Users* user right to change the passwords of existing users.
 - a. The *Password* text box is disabled if the right is not assigned to the current user.
 - i. The password for a new user record can be set by an administrator without the *Change User Passwords* right.
 - ii. An administrator with only the *Open Users Page* and *Changes User Passwords* rights can change the password of any existing user, but cannot edit any other properties of user records.

Process Changes

No changes to current processes are required.

6. Ability to add a default language to a complex

Overview

A **Default Language** field was added to the Complex level of the **Funds** page. Once the default language is specified on the **Funds** page, any newly-created templates or libraries automatically have that language added as their default, based on the complex with which they are associated.

What's New

1. A **Default Language** drop-down list was added to the **Funds** page (Complex level).
 - a. Available selections include all languages contained in the Languages library.
 - b. The default selection is *English (U.S.)* when adding a new complex on the **Funds** page.
2. The default language specified for a given complex is added to the **Languages** tab of the following pages (ArcReporting only), and therefore set as the default language when a new template or library record is created:
 - a. Abbreviation Libraries (ArcReporting only)
 - b. Category Libraries
 - c. Financial Workbook Templates, **Financial Statement Templates** tab (ArcReporting only)
 - d. Footnote Libraries - General Ledger (ArcReporting only)
 - e. Footnote Libraries - Holdings
 - f. Portfolio Statement Templates
 - g. Project Templates
 - h. Security Libraries
 - i. Tabular Data Templates
 - j. Text Libraries

Process Changes

No changes to current processes are required.

7. Holdings data import/dataload: Ability to increment numeric values

Overview

FundSuiteArc was enhanced to allow the loading of individual transactions and have FundSuiteArc add or subtract the value from the value that already exists. For example, if the fund has an as of trade that needs booked to the holdings, the user can load a file with the additional shares, cost and market value and the Holdings load adds or subtracts those values to/from the existing values. This functionality exists only for the Holdings FTP dataload and Holdings data import.

What's New

A new **Add to existing numeric values (values are overwritten when not selected)*** check box option was added to the **Security Balance** tab of the **Holdings Import** dialogue and the **Holdings Load Options** page.

1. The check box is cleared by default when the tab is clicked/opened for both push-button data imports and FTP dataloads.
2. When the check box is cleared, the respective database values of certain numeric fields are overwritten with the value contained in the data source file for that field.
3. If the user selects this check box, the respective database values of certain numeric fields are increased/decreased by the amount contained in the data source file for that field.

Note:

The following is true only if the overwrite check box for any given security balance field is selected:

1. Multiple adds to values for the same fund, account period, Master Identifier and balance instance from data in a single source file is supported.
 2. Data for multiple funds and account periods in a single file is supported.
4. Fields affected by the **Add to existing numeric values** check box being selected are as follows:
Accrued Interest, Base Currency Bought, Base Currency Sold, Bought, Cost, Exclude Capital Support Value, Include Capital Support Value, Local Cross Trade, Local Currency Bought, Local Currency Sold, Market Value, Market Value Ask, Market Value Bid, Notional Amount, Proceeds,

Purchase Amount Base, Purchase Amount Local, Purchase Cost, Shares, Sold, Sold Amount Base, Sold Amount Local, Unrealized Value

Note:

The database values of all other fields whose check boxes are selected are overwritten by values in the data source file.

Example:

If the **Cost** value for a specific security was equal to *10* (assume the total value for **Cost** is *100*), and a user imports another file where the **Cost** value for that same security is equal to *20*; The total value for **Cost** in project preview and output is now *120*.

Process Changes

No changes to current processes are required.

8. Holdings data import/dataload: Option to ignore blanks during import

Overview

Prior to this enhancement if a blank value was provided in a Holdings import source file and the overwrite settings were set to *True*, any data in FundSuiteArc for that field was cleared. FundSuiteArc now allows the user to choose whether or not to ignore blanks or to update existing values with blanks during a fund holdings dataload (FTP) or Excel push-button data import.

What's New

An *Overwrite values with blanks* check box option was added to the *Security Captions* tab of the **Holdings Import** dialogue and the **Holdings Load Options** page.



1. The check box is cleared by default.
2. If a user selects the *Overwrite values with blanks* check box option, a blank value in the data source file overwrites existing security caption values in the database for any field whose corresponding *overwrite* check box is selected.

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

Process Changes

The user should verify the state of the **Overwrite values with blanks** check box on the **Holdings Load Options** page prior to performing an FTP dataload to ensure it is set to meet his/her needs.

9. Holdings data import: Ability for multiple users to import simultaneously

Overview

Previously, only a single file could be in the Holdings data import/dataload process and other load requests were forced to wait until the existing load was completed to begin. This limitation was removed. FundSuiteArc now allows multiple users to import fund holdings data without conflict.

What's New

1. Holdings Import dialogue

a. "Process" tab

- i. The **Process** button is no longer disabled if a load batch exists with a status of *In Process* at the time the **Import data** button is clicked.

Note:

Data that was loaded for preview purposes on the **Holdings Import** dialogue, but was not accepted or rejected before the dialogue was closed, must be subsequently accept/rejected via the **Holdings Load Preview** page.

- b. Logic was updated to allow a batch's status to be set as *Accepted*, even if other batches are in process at that time; data for the current load operation is moved to the production database when it reaches the front of the processing queue.

2. Holdings Load Preview page

- a. A new **Dataload Batch** drop-down list was added.

- i. Available selections include all load batches that have a status of *Awaiting Processing* (i.e., that have not yet been either accepted or rejected).

- A. Each selection in the drop-down list reflects the date and time a given load batch was created, displayed in *mm/dd/yyyy hh:mm:ss AM/PM* format.

- B. Selections are sorted by dataload batch creation date/time, ascending (*i.e.*, the oldest submission first).
- ii. When a dataload batch selection is made, the grid on the page refreshes to display information pertaining to the selected batch.

3. Archive page

- a. A new **Submitter** column was added to the grid on the page.
 - i. The user can sort and filter grid contents by this column.
 - ii. The value in the column refers to the user that submitted the load request.
 - A. The user's name displays *Last Name, First Name*.
 - B. If the load was submitted via FTP, the value displayed is *N/A*.
- b. An **Export data** button was added to the **Search Results** grid.
 - i. The user can save the file in XML, DOC, CSV, HTM or TXT format.

Process Changes

In some cases, the user may be forced to try a given data import again if another user edited/imported similar data and caused a collision.

10. Class Information data import/dataload enhancements

Overview

The goal of this functionality is to allow users to load Class Information data with a source file that only contains the fields the user wants to update. Similar to the Holdings data import/dataload, only the required fields must be present in the file and the fields can be in any order.

What's New

1. Fields in the Class Balance source file now can be in any order which suits the user's needs.
2. When a user clicks the **Get Import Template** button () on the **Class Information** page, the Excel template file that the user receives now has the following characteristics:
 - a. The template has a file extension of **XLSX** (in previous versions, the file's extension was **XLS**).
 - b. The following required fields are located in the leftmost columns of the file and have an identifying green background color:
 - i. AccountPeriodEnd
 - ii. FundCode
 - iii. ClassName
 - c. The remaining (non-required) fields are listed in alphabetical order at right of the required fields.
 - i. If no data is loaded for any given non-required data point, the corresponding fields may be left blank in the source file, or the column may be omitted altogether.

Process Changes

Users must use the new XLSX file format for push-button data imports.

11. Category Captions data import enhancements

Overview

The Category Captions push-button data import was enhanced to support a maximum of 1024 characters in the **CategoryCode** field.

What's New

The **CategoryCode** column of the data import source file now supports up to 1024 characters (including commas), with 32 characters allowed per code in the comma-delimited list.

Note:

FundSuiteArc now supports this logic when a user imports categories to the libraries, as well.

Process Changes

No changes to current processes are required.

12. Ability to export/import/copy project templates

Overview

The goal of this feature is to allow users to copy or import existing project templates to create new templates. A project template can be exported to a file of XML format, saved to a local or network drive and then imported (into the same or a different database) to create a new project template. This functionality mimics that of the current export/import/copy functionality for portfolio statement templates.

What's New

1. An **Export project template** button (📄) was added to the **Project Templates** page.
 - a. Clicking this button submits a request to the Output Queue to produce an XML file containing information associated with the current template.
 - i. The Output Queue **Type** for the request is *Project Template Export (XML)*.
 - ii. The Output Queue **For** value for the request is the name of the current project template.

2. When a user clicks the existing **Add** button (📁) on the **Project Templates** page, a new **Create Project Template** dialogue displays and presents several options for creating a new template.

The screenshot shows a 'Create Project Template' dialog box. It has two radio buttons: 'Blank Template' (selected) and 'Copy Existing Template'. Under 'Blank Template', there is a 'Details' section with three dropdown menus: 'Source Complex' (Complex01), 'Source Template' (MyDocumentStructureTemplate), and 'Target Complex' (Complex02). Under 'Copy Existing Template', there is a 'Details' section with a 'Source File' text box (MyDocumentStructureTemplate.xml) and a file selection button (...), and a 'Target Complex' dropdown menu (Complex02). At the bottom right are green checkmark and red X icons.

- a. Template-creation options are as follows:
 - i. Blank Template
 - A. Default selection.
 - B. When the user selects and accepts this option, FundSuiteArc creates a new, blank template.
 - ii. Copy Existing Template
 - A. Selecting this option allows the user to specify an existing project template to copy, and the complex with which the new template will be associated.

iii. Import

A. Selecting this option allows the user specify a source file containing the properties/settings of an existing project template to copy, and the complex with which the new template will be associated.

1. Clicking the **Source File** field's **Browse** button () causes the Windows **Open** dialogue to display, through which a file of type **XML** is selected.

b. Clicking the **Accept** button () closes the dialogue and creates the new (unsaved) project template.

i. If the user selects the **Blank Template** option, a new (unsaved) statement template is created.

ii. If the user selects the **Copy Existing Template** option, a new statement template is created based on the specified template.

A. The **Template Name** value of the newly-created project template follows the same format of the template that was copied.

iii. If the user selects the **Import** option, the following actions can occur:

A. If some issue exists for the selected file (e.g., invalid XML code, etc.), the **Create Project Template** dialogue closes, and a message displays to indicate the issue.

B. If the specified data source file was created using another FundSuiteArc product than the one currently in use (i.e., if ArcReporting is in use and the file was created by exporting an ArcFiling template, or vice versa), the following message displays:

"The selected source file was produced using a different FundSuiteArc product than the one into which you are attempting to import. Please select a compatible file for import, and retry."

C. If neither of the aforementioned issues occurs, a new statement template is created based on data in the specified source file.

1. The **Template Name** value of the newly-created project template follows the same format of the imported template.

- c. When a new project template is created by copying or importing an existing template, all settings from the various tabs of the source project template are transferred to the new template, unless specified otherwise below.
- i. **"Reporting" tab**
 - A. Fiscal Year Ending
 - B. Cycles
 - C. Prelims
 - ii. **"Settings" tab**
 - A. Assignment and Production Schedule
 - B. Document Structure Template
 - 1. If the user specified the same source and target complex:
 - a. FundSuiteArc assigns the same document structure from the source template to the target project template.
 - 2. If the user specified different source and target complexes:
 - a. The combination of document structure template name and code are used to determine a match.
 - i. If the source document structure template matches the target document structure template, FundSuiteArc assigns it to newly-created project template.
 - ii. If the source document structure template does not match any target document structure template, FundSuiteArc creates a new document structure for the target complex (mimicking the source document structure template).
 - iii. **"Funds" tab**
 - A. No funds will be carried over to the newly-created project template in the **Funds using this template** list box.

- B. Funds listed in the **Available Funds** list box will be all the funds in the target complex, based on the fiscal year end assignment on the **Reporting** tab.

Note:

The user must drag the funds from the **Available Funds** list box to the **Funds using this template** list box.

iv. **"Contents" tab**

A. Reporting Cycle

- 1. Cycles displayed in the new template correspond to those selected on the **Reporting** tab.

B. Document Structure

- 1. The structure displayed corresponds to the document structure template(s) defined on the **Settings** tab.

C. Assignments

- 1. All assignments match source template assignment names to the target complex.
 - a. When importing a template:
 - i. All items (e.g., images, charts, portfolio statements, tables, etc.) assigned in source template are not assigned for the newly-created project template in the target complex.

Note:

Whether or not the target complex is the same as the source complex, the assignments in the new template are always cleared.

b. When copying a template:

- i. If the source complex is the same as the target complex, all items (e.g., images, charts, portfolio statements, tables, etc.) are assigned for the newly-created project template.

13. Support for Internet Explorer 9 and 10; Windows 7 and 8

Overview

FundSuiteArc now supports the use of Internet Explorer 9 and Internet Explorer 10 web browsers and the Windows 7 and Windows 8 operating systems.

Process Changes

The Internet Explorer 7 web browser will not be actively supported going forward. FundSuiteArc can be accessed using Internet Explorer 7; however the recommended minimum requirement is now Internet Explorer 8.

14. 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 by means of a new **Global Holdings Review** page.

What's New

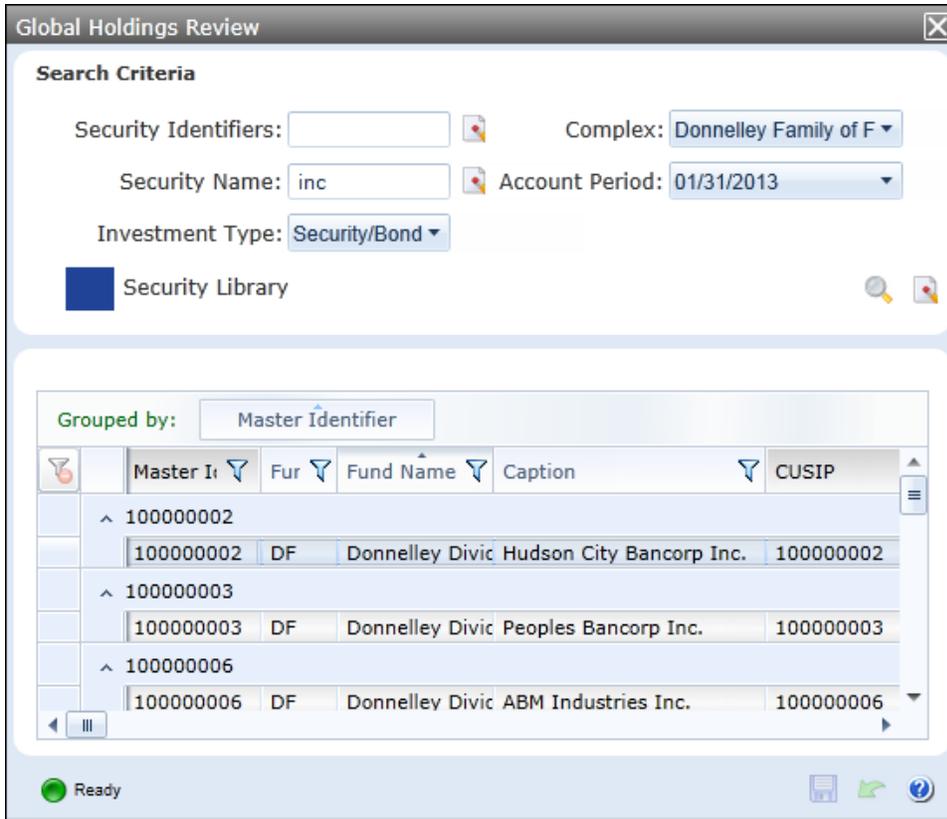
A new *Global Holdings Review* menu item was added to the **Reports** menu section.



Note:

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

The **Global Holdings Review** page allows users to specify criteria and generate results for all securities that meet those criteria.



1. Available **Search Criteria** fields are as follows:

a. **Security Identifiers**

- i. A text box is provided, into which a string may be entered.
- ii. When the page is first opened, the default value is blank.
- iii. The string represents a value for the query, which looks across all security identifier fields on the **Fund Holdings** page:
Master Identifier, CUSIP, SEDOL, ISIN, Werkpapier, Valoren and Custom Identifier
- iv. An associated **Clear Selection** button (🗑️) clears the value in the field when clicked.

b. Security Name

- i. A text box is provided, into which a string may be entered.
- ii. When the page is first opened, the default value is blank.
- iii. This query searches the **Security Name** field, as stored via the **Security/Investment Master** page.
- iv. An associated **Clear Selection** button (🗑️) clears the value in the field when clicked.

Note:

This search can work in conjunction with a search using the **Security Identifiers** field.

A search term is required for this field or the **Security Identifiers** field in order to run a report.

c. Investment Type

- i. A drop-down list is provided, with the following available selections:
 - A. <All>
 1. Default selection when the page is opened.
 - B. Contract for Difference
 - C. Forward
 - D. Fund
 - E. Future
 - F. Option
 - G. Other
 - H. Repurchase Agreement
 - I. Reverse Repurchase
 - J. Security/Bond
 - K. Swap

L. Swaption

M. Warrant

d. **Complex**

i. A drop-down list is provided, with the following available selections:

A. <All>

1. This selection allows searching across all complexes to which the current user has access.

B. <All other complexes to which the current user has access, in ascending alphabetical order by complex name>

ii. When this page is first opened, the default drop-down list selection is the complex specified in the fund selection bar at that time.

Note:

If the user changes the complex in the fund selection bar while on this page, the complex selected in this drop-down does not change (the user must change it manually).

e. **Account Period**

i. A drop-down list is provided, with the following available selections:

A. <All>

B. <All open account periods>

C. <All account periods that exist in the database, in descending order by date>

ii. When the page is first opened, the default drop-down list selection is the account period specified in the fund selection bar at that time.

Note:

If the user changes the complex in the fund selection bar while on this page, the account period selected in this drop-down does not change (the user must change it manually).

2. A legend displays at the lower-left of the **Search Criteria** pane, which serves to identify the columns in the search results grid (the library from which each column's data is derived).

3. A **Search** button (🔍) displays at lower-right of the **Search Criteria** pane.
 - a. Database results display in the grid when this button is clicked.
4. A **Clear Search Criteria** button (🗑️) displays at the far lower-right of the **Search Criteria** pane.
 - a. When a user clicks this button, any values which were populated by the user in any of the clearable **Search Criteria** fields (those that have their own **Clear Selection** button (🗑️)) are cleared.
5. A results grid displays in the lower portion of the page.
 - a. The results returned include data that matches the specified criteria and is associated with the fund(s) to which the current user has access.
 - i. For every security returned, every instance of the security held across all funds displays; results are not filtered to show just one instance per security library.
 - A. The value of most fields in the grid is editable by the user.
 1. Changes to field values are reflected on the **Fund Holdings** page for the affected fund/account period.
 - B. The grid contains the following fields:
 1. Fund Code
 2. Fund Name
 3. Account Period
 4. Security Library
 5. Language
 6. <All **Identifier** type fields from Security/Investment Master (except Security Master **Name** field)
 7. <All Security Library fields>
 8. <All Security Balance fields>
 - ii. Results in the grid are grouped by **Master Identifier**.
 - iii. Results are sorted by **Fund Name**, then by **Balance Instance**.

- iv. A user can group, sort and/or filter results by any chosen field.
 - A. A **Clear all filters** button (🗑️) displays in the upper-left corner of the grid, which can be used to reset any column filters set by the user.

Process Changes

No changes to current processes are required.

15. Holdings data import/dataload: Additional description fields

Overview

The number of *Description* fields available for use with fund holdings data in FundSuiteArc was increased.

What's New

The *Description 11*, *Description 12*, *Description 13*, *Description 14*, *Description 15*, *Description 16*, *Description 17*, *Description 18*, *Description 19* and *Description 20* fields were added to FundSuiteArc for use in various areas.

1. The fields appear as columns in the grid on the *Holdings* tab of the **Fund Holdings** page.
2. The fields can now be mapped from the *Data Points* column to the grid on the **Portfolio Statement Template Output Settings** page.
3. The fields were added to the Excel source file template for the Holdings data import and can be populated in source files for either the push-button data import or the FTP dataload.

Note:

The new fields appear as *Description 11*, *Description 12*, etc. in all areas of the user interface enumerated here, but as *SecurityBalanceDescription11*, *SecurityBalanceDescription12*, etc. in the Excel or tab-delimited text data source files.

4. The fields were added to the *Security Balance* tab of the **Holdings Import** dialogue and the **Holdings Load Options** page.
5. Formulas for calculation sheet items of type *Holdings* can now reference the new fields.

Process Changes

No changes to current processes are required.

16. More rows supported in tabular data output settings

Overview

Tabular data templates in FundSuiteArc now support significantly more rows for data entry.

What's New

1. The maximum number of rows that can be specified on the **Tabular Data Templates** page was increased from *50* to *500*.
2. A user can add data to table structures with up to 500 rows on the **Tabular Data Template Output Settings** page.

Process Changes

No changes to current processes are required.

17. New Securities Report

Overview

A New Securities Report was added to FundSuiteArc to alert users when new securities are added to a given security library. The report can be run for a single account period across one or more complexes, one or more fund groups, or one or more funds.

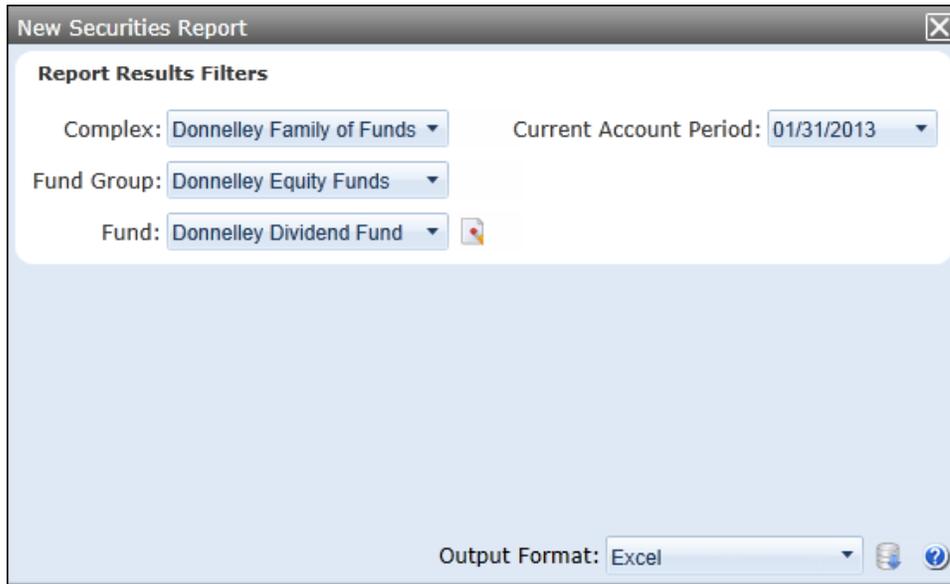
What's New

1. A *New Securities Report* menu item was added to the **Reports** menu section on the *Filings Workspace* tab.



- a. The *Open New Securities Report Page (ArcFiling)* user right must be assigned to a user in order to open the **New Securities Report** page (the *New Securities Report* menu item is disabled if the current user does not have the required right).

2. The **New Securities Report** page was added to FundSuiteArc.



- a. The report returns a list of securities that are "new" to one or more security libraries for a specified complex/fund group/fund in a given account period.
 - i. A security is considered new (**New Security** field = *True*) if the security has never been held by the security library used by the specified fund (or *All Funds* or *All Fund Groups*) for an account period prior to the one(s) being viewed.

Note:

1. Since all funds displayed in report output must use the same library, the **New Security** field displays the same value regardless of the fund selection bar setting (*i.e.*, a specific fund, *All Funds* or *All Fund Groups*).
2. If the security is loaded in a subsequent period, the **New Security** field only shows a *True* result in the oldest account period in which it was held.

- A. Every security will be a "New Security" the first time holdings are loaded to a new security library.

- b. The **Report Results Filters** section of the page contains the following fields, whose selections filter the results of the report (the value of certain fields are defaulted to the selections made in the fund selection bar when the page is opened):
 - i. Complex
 - A. The complex specified in the fund selection bar at the time the page is opened is selected by default.
 - B. Available selections are as follows:
 - 1. <All complexes to which the current user has access, listed alphabetically by complex name>
 - C. Users must select a complex in order to generate a report.
 - ii. Fund Group
 - 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.
 - iii. Fund
 - A. Available selections are as follows:
 - 1. [None]
 - 2. <All funds associated with the specified fund group, listed alphabetically by fund name>
 - B. If the value of the **Fund Group** drop-down list is changed by the user, the **Fund** drop-down list updates to reflect selections that are associated with the newly-selected fund group.

- iv. **Clear Selection** button (🗑️)
 - A. Clicking this button sets the **Complex**, **Fund Group** and **Fund** drop-down list selections to *[None]*.
- v. Current Account Period
 - A. Available selections include all account periods in the current environment, listed in descending order by year, then by month, then by day.
- vi. Output Format
 - A. Available selections are as follows:
 1. Excel (default selection)
 2. PDF
 3. Word
 - B. A **Generate Output** button (📄) displays next to the drop-down list.
 1. If all requirements to render a report are satisfied, clicking the button sends a request for report output to the Output Queue.
 2. The **Type** value in the Output Queue displays the format selected on the **New Securities Report** page (*i.e.*, Excel, PDF or Word).
 3. The **For** value for the output is *New Securities Report*.

4. The report the user obtains holds the following information (Excel output is shown in the example below):

 FundSuiteArc® New Securities Report			
Report Date:	11/15/2013 3:44:32 PM		
Generated By:	JPublic		
Complex:	Donnelley Family of Funds		
Fund Group:	Donnelley Equity Funds		
Fund:	Donnelley Dividend Fund		
Account Period:	1/31/2013		
Master Identifier	Security Caption	Fund List	Library Name
Future1	Future 1	Donnelley Dividend Fund	Donnelley Family Master Caption
Future2	Future2	Donnelley Dividend Fund	Donnelley Family Master Caption
Future3	Future3	Donnelley Dividend Fund	Donnelley Family Master Caption

a. Header Section:

- i. Report Date
- ii. Generated By
 - A. Displays the **Username** value of the user who generated the report.
- iii. Complex
- iv. Fund Group
- v. Fund
- vi. Account Period

b. Data Section:

- i. Master Identifier
- ii. Security Caption

- A. Reflects the value stored in the security library.

- iii. Fund List

- A. Displays a list of funds that currently hold a given security.

Note:
 If the list of fund names exceeds 1024 characters, the string "List of fund name too long to display" is returned.

- iv. Library Name

- A. Returns the **Library Name** value of the security library in which the security resides.

Note:
 A given security (Master Identifier) may appear more than once in the report if it is new to two or more security libraries.

Additional Information

- The **Complex**, **Fund Group**, **Fund** and **Account Period** specified in the fund selection bar at the time the **New Securities Report** page is opened are the default values for those respective report filter fields.
- If the user changes the **Complex**, **Fund Group**, **Fund** and/or **Account Period** selections in the fund selection bar, the report result filter field values on the **New Securities Report** page do not update to reflect the new selection(s) in the fund selection bar; the user must update the report result filters manually.

Process Changes

No changes to current processes are required.

18. Class Information data import/dataload: Additional fields

Overview

New fields were added to the Class Information push-button data import/FTP dataload source files.

What's New

- The following 65 fields were added to the Class Information data import/dataload source files:

Average Shares Outstanding, High NAV, Low NAV, Net Investment Income Per Share, Realized Gains Distribution Per Share (short term), Redemption Fees Per Share, Bid Price, Share Price, Billable Accounts, Portfolio Change Date, Total Return 1 Month Include Sales Charge, Total Return 3 Month Include Sales Charge, Total Return 6 Month Include Sales Charge, Total Return 9 Month Include Sales Charge, Total Return 1 Year Annualized Include Sales Charge, Total Return 2 Year Annualized Include Sales Charge, ..., Total Return 10 Year Annualized Include Sales Charge, Total Return Since Inception Annualized Include Sales Charge, Tax Rate, Thirty Day Yield, Taxable Yield (or Equivalent), Seven Day Net Annualized Yield, Taxable Rate (or Equivalent), Distribution Rate, Distributions Q1 Value, ..., Distribution Q4 Value, Year End Distribution Value, Distributions Q1 CPU, ..., Distributions Q4 CPU, Year End Distributions CPU, Reinvestments Q1, ..., Reinvestments Q4, Year End Reinvestment, Class Field 1, ..., Class Field 10, Management Fees Rate, Custody Fee Rate, Management Fees, Other Expenses (excluding Management Fees), Distribution Charged, Distribution Charged, Distribution Paid, Average NAV, Expense Ratio 2, Expense Cap

- Users can view values of all new fields on the **Class Information Import** dialogue.

Process Changes

No changes to current processes are required.

19. Ability to specify multiple conditions for a "Conditional Value" data point in a text library snippet

Overview

Enhancements were made to existing conditional text mapping via the **Text Libraries** page to allow for multiple conditions within a text snippet. A user can now specify up to 10 conditions.

What's New

The single expression controls were removed from the **Formula** area of the **Insert Data Point** dialogue and replaced with a grid to allow the definition of up to 10 conditional expressions.

Insert Data Point

Data Point

* Type: Conditional Value

* Name: MyConditionalDataPoint

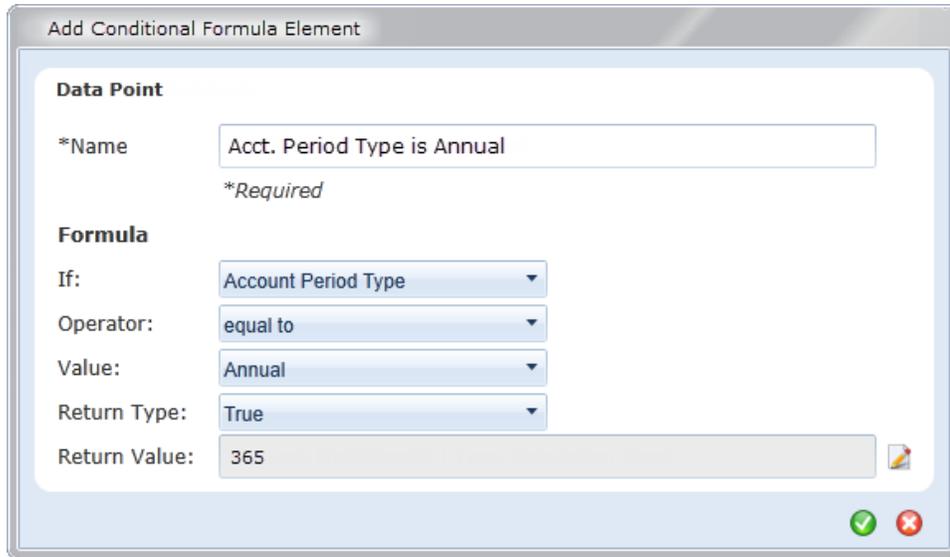
** Required*

Formula

(Element	Type)	Return Type	Return Value
>	Acct. Period Type is Annual	Conditional Value		True	365

Return Value if no conditions are met: 30

1. When a user clicks the **Add** button at lower-left of the grid, a new **Add Conditional Formula Element** dialogue displays.



2. Once formula element settings are specified and the **Accept** button is clicked, the following information displays in the **Formula** grid of the **Insert Data Point** dialogue:
 - a. Element
 - i. Displays the **Name** value specified for the grid item via the **Add Conditional Formula Element** dialogue.
 - b. Type
 - i. Always displays the term **Conditional Value** for all grid items.
 - c. Return Type
 - i. Displays the **Return Type** value specified for the grid item via the **Add Conditional Formula Element** dialogue.

Note:

A user can choose the following values in this field via the **Add Conditional Formula Element** dialogue:

1. And
2. True

d. Return Value

- i. Displays the **Return Value** value specified for the grid item via the **Add Conditional Formula Element** dialogue when the **Return Type** value specified is *True*.

Note:

The following conditions must be met when creating a formula for data points of type *Conditional Value*:

1. The last element/row of the formula grid must have a **Return Type** of *True*.
2. The a value must be specified for the **Return Value if no conditions are met** field.

Process Changes

No changes to current processes are required.

20. Additional output style user controls

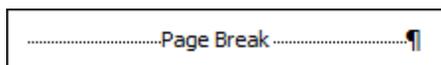
Overview

User controls affecting the output style of text snippets were enhanced within FundSuiteArc. These updates can be seen in the text editor of the **Text Libraries** page.

What's New

The following functionality was added to the text editor:

1. **Font Size** drop-down list
 - a. A user can now adjust the font size of the text within a text snippet by using the new **Font Size** drop-down list.
 - i. Available selections are as follows:
5, 6, 7, 8, 9 (default), 10, 11, 12, 14, 16, 18, 20, 22, 24, 26, 28, 36, 48, 72
 - ii. When a font point is size is specified, the selected text displays in that size in the text editing pane and in output, superseding previous template settings.
2. **Clear font size** button ()
 - a. A user can click the button to cause any font size specification to be removed from the selected text. The selected text displays in the text editing pane in the default text editor font size (9 pt).
3. Page Break display
 - a. When the **Toggle Format Symbols** button is selected, any page breaks that exist in the current text snippet are represented by a dotted line with the term *Page Break* in the middle (see example below).



4. Horizontal Alignment

a. The following buttons are associated with horizontal alignment.

i. Align Text Left (☰)

- A. The user can either place the cursor somewhere within a single paragraph or highlight some amount of text within a single paragraph or multiple paragraphs and click the button to left-align the paragraph(s) in which the text is contained.
- B. Whenever the cursor is placed anywhere within a given paragraph that is left-aligned, the **Align Text Left** button appears "selected".
- C. The paragraph text appears left-aligned in the text editing page and in the **Project** page preview.

ii. Center (☷)

- A. The user can either place the cursor somewhere within a single paragraph or highlight some amount of text within a single paragraph or multiple paragraphs and click the button to center-align the paragraph(s) in which the text is contained.
- B. Whenever the cursor is placed anywhere within a given paragraph that is center-aligned, the **Center** button appears "selected".
- C. The paragraph text appears center-aligned in the text editing page and in the **Project** page preview.

iii. Align Text Right (☶)

- A. The user can either place the cursor somewhere within a single paragraph or highlight some amount of text within a single paragraph or multiple paragraphs and click the button to right-align the paragraph(s) in which the text is contained.
- B. Whenever the cursor is placed anywhere within a given paragraph that is right-aligned, the **Align Text Right** button appears "selected".
- C. The paragraph text appears right-aligned in the text editing page and in the **Project** page preview.

iv. Justify Text (☰)

- A. The user can either place the cursor somewhere within a single paragraph or highlight some amount of text within a single paragraph or multiple paragraphs and click the button to justify the paragraph(s) in which the text is contained.
- B. Whenever the cursor is placed anywhere within a given paragraph that is justified, the **Justify** button appears "selected".
- C. The paragraph text appears justified in the text editing page and in the **Project** page preview.

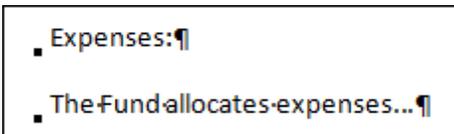
5. **Keep lines together** button (☰)

- a. The user can either highlight some amount of text within a paragraph, or simply place the cursor somewhere within a paragraph, and select the **Keep lines together** option.
- b. Selecting this button prevents a page break from occurring within the lines of the current paragraph in output.

Note:

This setting does not impact the display of content in the text editing pane or in project preview; only output.

- c. If a paragraph is set as **Keep lines together**, the button appears "selected" whenever the cursor is placed anywhere within the paragraph.
- d. When the **Toggle Format Symbols** button is selected, the **Keep lines together** setting is denoted in the text editing pane with a square bullet at left of all impacted paragraphs (see example below).

6. **Line Spacing** drop-down list

- a. Available selections are as follows:
None (default), *1*, *2*, *3*, *4*, ..., *12*
- b. The line spacing selections represent "points per inch".

- c. If the line spacing is set to anything other than *None*, the spacing setting supersedes the previous template settings in project output.

Note:

This setting does not impact the display of content in the text editing pane or in project preview; only in output.

7. Non-breaking Hyphen

- a. A user can insert a non-breaking hyphen in the text snippet by striking `<Ctrl> + <Shift> + Hyphen` on the keyboard.
- b. When the *Toggle Format Symbols* button is selected, the character is represented by a double-length hyphen (–) in the text editing pane.

Note:

The insertion of a non-breaking hyphen does not impact the display of content in the text editing pane or in project preview; only in output.

8. Non-breaking Space

- a. A user can insert a non-breaking space in the text snippet by striking `<Ctrl> + <Shift> + Space` on the keyboard.
- b. When the *Toggle Format Symbols* button is selected, the character is represented by a degree symbol (°) in the text editing pane.

Note:

The insertion of a non-breaking space does not impact the display of content in the text editing pane or in project preview; only output.

Process Changes

No changes to current processes are required.

21. Upgrade to Silverlight 5

Overview

FundSuiteArc was upgraded to use Silverlight 5 in order to support Windows 7 and 8 and Internet Explorer 9 and 10.

What's New

In order to run FundSuiteArc version 1.9.0, the user must download and install Silverlight 5 or higher. When attempting to first log into a FundSuiteArc environment at version 1.9.0, the application verifies that the Silverlight browser plug-in is up-to-date and if not, begins the download and install process.

Note:

Typically, only a user with administrative rights to his/her workstation may install browser plug-ins and this may require support from their local IT personnel.

Process Changes

Users must have Silverlight 5 installed to begin using FundSuiteArc version 1.9.0.

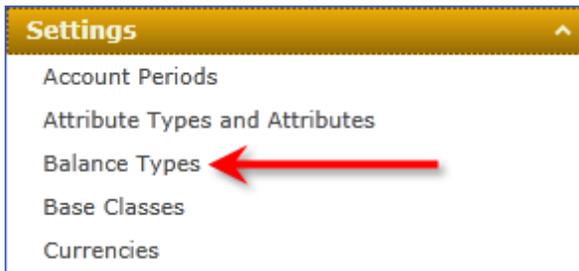
22. Ability to load and display multiple fund holdings balance sets for a fund/account period

Overview

A user can now load holdings multiple times for the same fund and account period. In these cases the security library and category library information is the same, but the security balance information (e.g., Cost, Shares, Market Value, etc.) is different. A user can view and adjust both sets of data on the **Fund Holdings** page and create projects for each set.

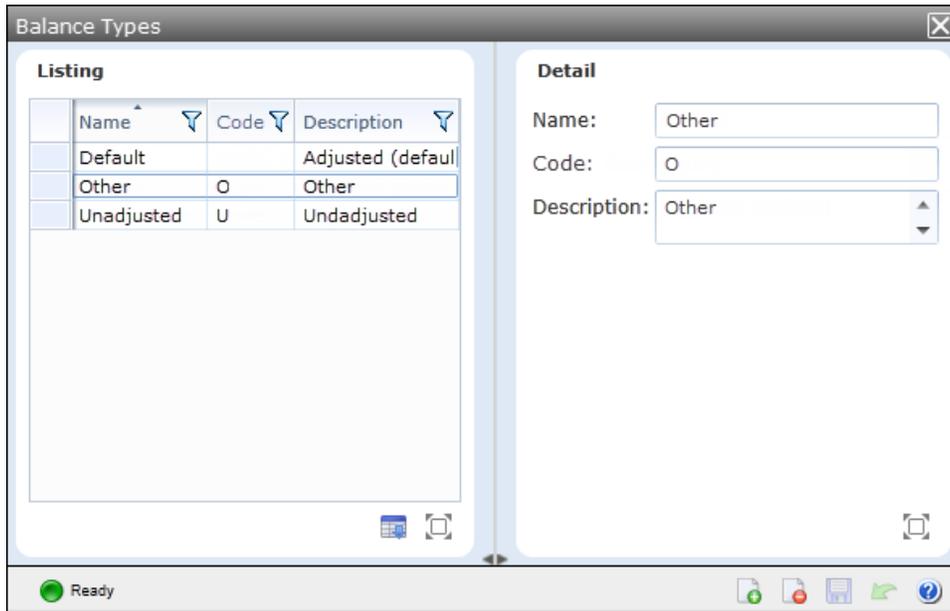
What's New

1. A new [Balance Types](#) menu item was added to the existing **Settings** menu section in the Platform Administration area.



- a. The new [Open Balance Types Page](#) user right is required to open the **Balance Types** page; the [Balance Types](#) menu item is disabled if the right is not assigned to the current user.

b. When this item is clicked, the **Balance Types** page displays.

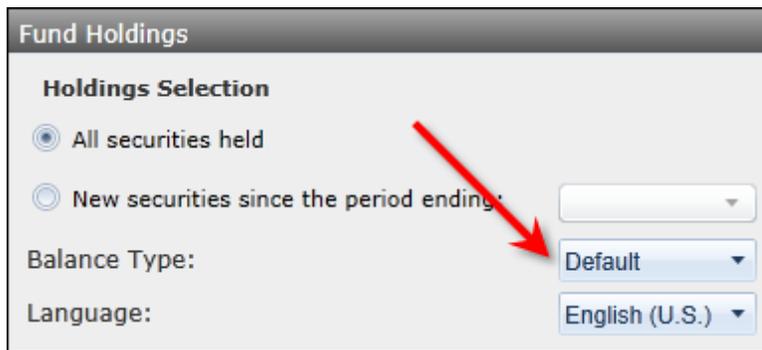


- i. An **Add** button (📄) displays at lower-right of the page.
 - A. The new *Add/Edit/Delete Balance Types* user right is required to click this button; the button is disabled if the right is not assigned to the current user.
 - B. Clicking this button adds a new record to the library. Details of the new balance type are provided via the controls in the **Detail** pane at right of the page.
- ii. A **Delete** button (🗑️) displays at the lower-right of the page.
 - A. The new *Add/Edit/Delete Balance Types* user right is required to click this button; the button is disabled if the right is not assigned to the current user.
 - B. Clicking this button deletes the currently-selected balance type record from the database.

2. A new **BalanceTypeCode** field was added to the Holdings data import Excel template.

- a. If a value is provided for the field in the import file, it is considered valid if it matches the **Code** value of any balance type that exists in the database and the data in the row is loaded to that balance type.

- i. If no value is provided in the import file, the value of *Default* is loaded for the balance type and no warnings or errors are logged.
 - ii. If an invalid value is provided in the import file, the record is rejected (not loaded) and an error message is logged to indicate the failure of data for that row to load.
3. A new **Balance Type** drop-down list was added to the **Holdings Selection** section of the **Fund Holdings** page.



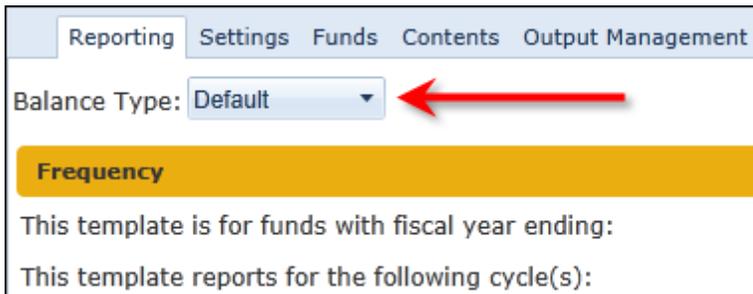
- a. Available selections include all balance types that exist in the database, in ascending alphabetical order.
 - i. The **Name** values of balance types display as selections in the drop-down list.
- b. Data associated with the selected balance type display in the grid of the **Holdings** tab.
 - i. If data for only one balance type loads for the specified fund and account period, then that balance type is selected by default when the **Fund Holdings** page opens.
 - ii. If data loads for more than one balance type for the specified fund and account period, no balance type is selected in the drop-down list; the user must select one of the available balance types in the drop-down list.
 - iii. Any changes made pertaining to library information (*i.e.*, Security Libraries, Category Libraries, Issuer Libraries) are reflected for all funds/balance types for the corresponding account period and library.

Examples:

1. A footnote field attached via a link (*e.g.*, Non-Income) is based on the security library and is synced.

2. Footnotes that are manually attached are specific to the account period and balance type and are not synced.

- c. The drop-down list is disabled when the **Fund Holdings** page is in an unsaved state (preventing any change of the selection by the user).
4. A new **Balance Type** drop-down list displays on the **Reporting** tab of the **Project Templates** page.



- a. Available selections include all balance types that exist in the database, in ascending alphabetical order.
 - i. The **Name** values of balance types display as selections in the drop-down list.
- b. The drop-down list value can be changed at any time following creation of a project template.
 - i. Following a drop-down list selection change and save, the balance type of the template and that of any projects based upon it are "out-of-sync".
 - A. A user can sync the balance type with one or more projects via the synchronization link on the **Administration** tab.
- c. Any projects created on the basis of a given project template have a **Balance Type** specified for that project template at the time of project creation.

Example:

A project template of balance type **Unadjusted** is the only project of that type to be created (not **Default**, **Adjusted**, **Other**, etc.).

5. A read-only **Balance Type** value displays on the **Components** and **Administration** tabs of the **Project** page when the project node is selected in the tree view.
- a. When a portfolio statement component is selected in the tree view, the statement line item values display based on the project's specified **Balance Type**.

Process Changes

No changes to current processes are required.

23. Updates to user rights names

Overview

The text that displays for user rights on the **Roles** and **Users** pages was updated in the interest of clarity and naming consistency, both across the user rights themselves and with regard to the respective application pages associated with the rights. These updates do not affect existing rights/roles associations nor existing role assignments to users.

Additional Information

A complete listing of all user rights, their descriptions and associated functions can be found in the *Available FundSuiteArc User Rights* topic of the online Help system.

Process Changes

No changes to current processes are required.

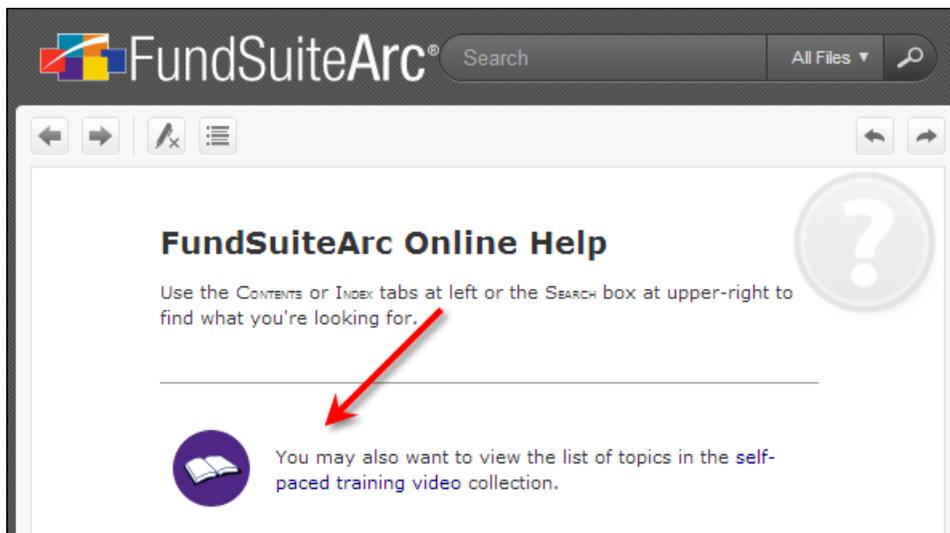
24. Training videos available via online Help system

Overview

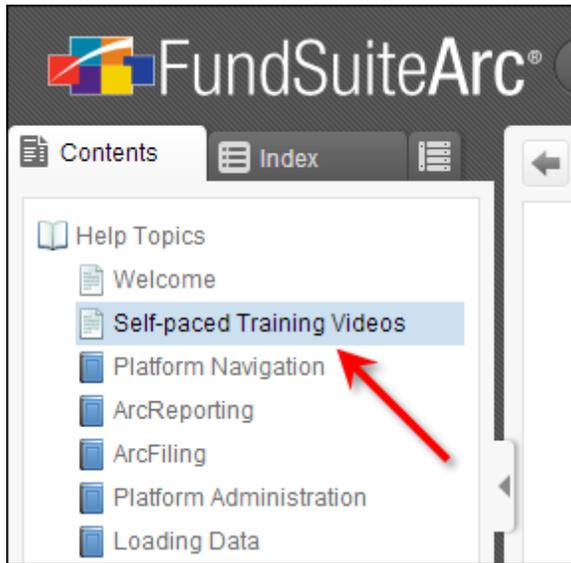
A series of self-paced training videos was made available to users as part of the FundSuiteArc online Help system. The videos in the collection offer tips on efficient use of application pages, best practices, common tasks, etc. The entire collection of videos can be found in the *Self-paced Training Videos* topic and individual videos appear within various other Help topics, as appropriate.

What's New

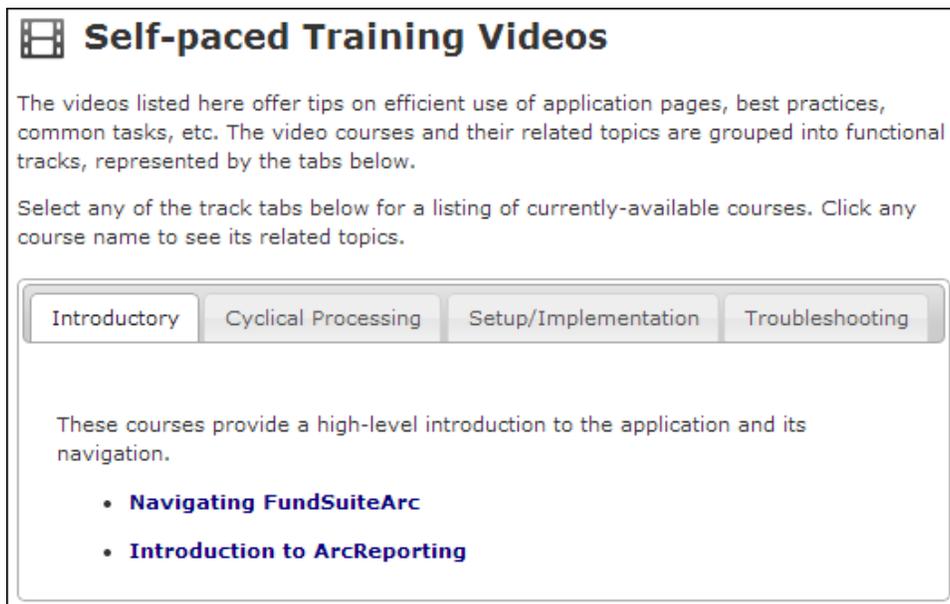
1. A *Self-paced Training Videos* topic was added to the online Help system.
 - a. A link to the topic was added to the opening page of the Help system.



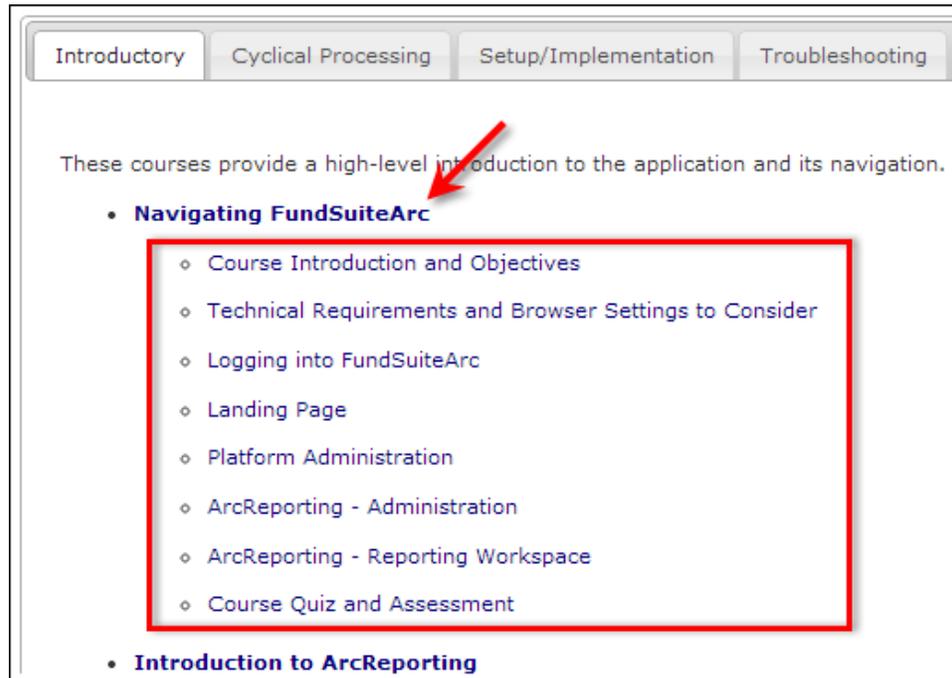
- b. A link to the topic was also added to the *Table of Contents* pane.



- c. Clicking either of the links opens a "dashboard" for the video collection, where video courses and their related topics are grouped into functional tracks, represented by tabs on the page.



- i. Clicking a course heading link on any given track tab causes the course listing to display, where a course topic link can be clicked to view the associated video segment.



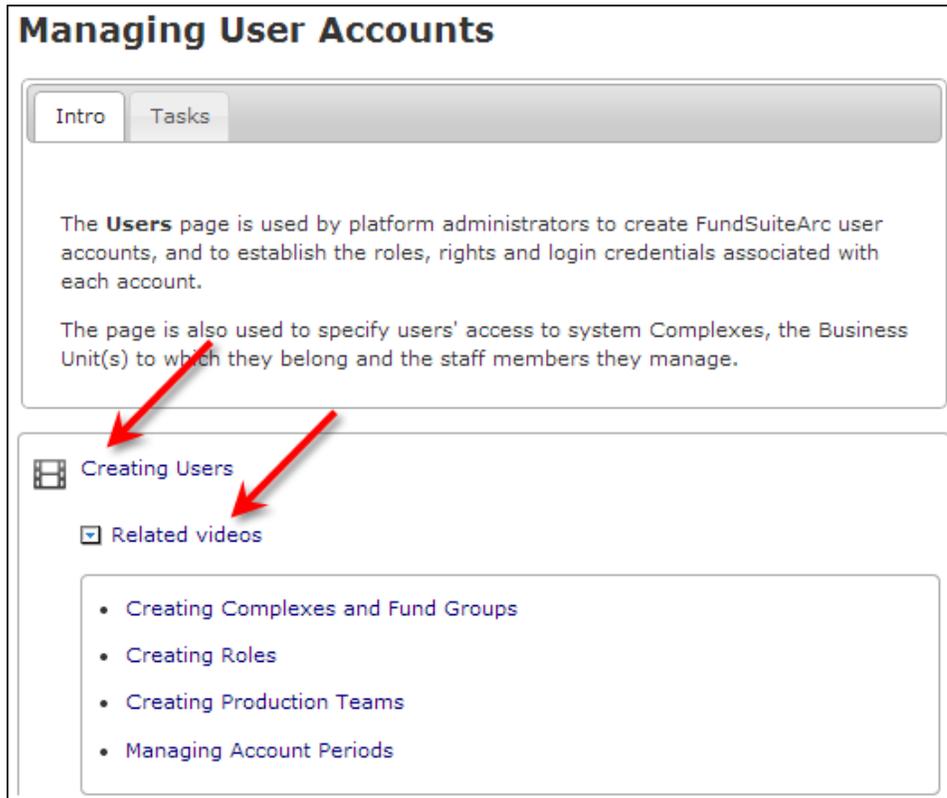
The screenshot shows a web interface with a track tab labeled 'Introductory'. Below the tab, there is a heading 'These courses provide a high-level introduction to the application and its navigation.' followed by a list of course topics. A red arrow points to the 'Navigating FundSuiteArc' heading, and a red box highlights the list of topics under it.

Introductory Cyclical Processing Setup/Implementation Troubleshooting

These courses provide a high-level introduction to the application and its navigation.

- **Navigating FundSuiteArc**
 - [Course Introduction and Objectives](#)
 - [Technical Requirements and Browser Settings to Consider](#)
 - [Logging into FundSuiteArc](#)
 - [Landing Page](#)
 - [Platform Administration](#)
 - [ArcReporting - Administration](#)
 - [ArcReporting - Reporting Workspace](#)
 - [Course Quiz and Assessment](#)
- **Introduction to ArcReporting**

2. Links to associated video segments were added to specific online Help topics, as appropriate.



- a. The title of the primary video segment(s) associated with any given Help topic will appear as a clickable link next to a new video icon (📺) at lower-left of the topic content.
- b. If any other related video segments exist a **Related videos** link also displays. Clicking the link causes the title of the related video(s) to display.

Additional Information

At present, not all planned video segments are available through the online Help interface; the titles of videos that are not currently available will appear as disabled (gray) text, rather than as clickable blue links. As these video segments are produced in the coming months, their respective links will become enabled/clickable.

Process Changes

No changes to current processes are required.

25. Statement preview caching: Behavioral change to portfolio statement previews in projects

Overview

In order to enhance the performance of portfolio statement previews on the **Project** page, FundSuiteArc will now cache the preview data once the user has viewed a statement. If the user navigates away from the statement and subsequently returns, the preview will not regenerate statement values, but instead will use the cached preview data, thus making the preview display much more quickly. The cached preview data will also be used when generating output, which will also decrease the time in which output requests are returned to the user.

What's New

Once a user previews any portfolio statement on the **Project** page, the associated preview data is cached and reused unless another, related action in FundSuiteArc forces the cached preview to reset. The following user actions will automatically reset the statement preview to ensure the values displayed are current and accurate:

1. Portfolio statements

- a. Updates to fund holdings data via the **Fund Holdings**, **Holdings Batch Replace** or **Global Holdings Review** pages
- b. Holdings push-button data import or FTP dataload
- c. Purge of holdings balance data
- d. Updates to settings on the **Portfolio Statement Templates** or **Portfolio Statement Template Output Settings** pages
- e. Updates to the libraries associated with the current fund (*i.e.*, Security, Abbreviation, Portfolio Footnote, Issuer and Category)

A user can manually force the cached preview of a portfolio statement to refresh at any time by clicking the **Refresh** button (🔄) at lower-right of the preview pane of the **Project** page.

Schedule of Investments

Template Used: [Donnelley Equity Funds](#) [Output Settings](#)

Category	Weight	Value
Pharmaceuticals, Biotechnology & Life Sciences 9.8% (0.00)		
Abbott Laboratories & Co.	2	132,564,224
Johnson & Johnson	1	88,323,980
Pfizer INC. ADR	3	52,948,846
		273,837,050
Retailing 0.2% (0.00)		
Sally Beauty Holdings Inc.	4	4,900,560
Semiconductors & Semiconductor Equipment 1.3% (0.00)		
Cohu INC.	6	857,379
Nucor Corp.	9	36,610,880
		37,468,259
Software & Services 4.8% (0.00)		
International Business Machines Corp.	1	135,025,324



Process Changes

No changes to current processes are required.



Closed Defects

The following issues have been addressed in this release of FundSuiteArc products.

Product	Module / Location	Description
ArcFiling	Project Output	Corrected application logic to allow users to change fund relationships and render N-MFP XML.
ArcFiling/ArcReporting	FundSuiteArc Platform	Fixed an issue that caused users to occasionally receive timeout or “socket” errors while working in FundSuiteArc.
ArcFiling/ArcReporting	Project page	Corrected performance issues with portfolio statement preview on the Project page to prevent portfolio management service errors.
ArcFiling/ArcReporting	Portfolio Statement Templates page	Enhanced template item positioning logic to allow use of the <i>Move item up</i> and <i>Move item down</i> buttons without re-selection of an item each time sorting occurs in the tree view
ArcFiling/ArcReporting	Project page	Corrected project synchronization logic to prevent information in unlinked tabular data tables from being deleted when a project is synched with its associated project template.
ArcFiling/ArcReporting	Project Output	Enhanced text library content processing logic to ensure correct display of certain symbols in project output.



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