

Release Notes
Axiom Relationship Profitability
and Pricing
Version 2019.2



KaufmanHall

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Summary

Kaufman Hall is pleased to announce the 2019.2 release of Axiom RPPS. Each product release provides new features, enhancements, and configuration options to meet your needs. Many of these features and enhancements are a direct result of your feedback and suggestions.

Summary of the upgrade process:

- 1. Review product release notes Review this document to familiarize yourself with the new features and functionality.
- 2. Schedule an upgrade date Contact support@kaufmanhall.com or your implementation consultant, and they will confirm an upgrade period with you.
- 3. Back up Axiom database Kaufman Hall will confirm that you have a current backup of your Axiom database before applying the upgrade.
- 4. Complete manual updates After installing the upgrade, if needed, review any manual setup steps needed to enable features for this version.

Support

As always, we appreciate your support of Kaufman Hall and look forward to continuing to meet your financial management needs. If you have any questions about your upgrade, contact Kaufman Hall Software Support at 1-888-543-6833 or support@kaufmanhall.com.

Training

Kaufman Hall offers multiple training options for our customers. These courses are part of your maintenance agreement and are free of charge. We strongly urge you to take advantage of all training options, including:

- Self-help videos
- · Recorded webinars
- Virtual training courses

For a complete listing of our courses, please visit www.kaufmanhall.com.

Product upgrade notes

When upgrading to Axiom Relationship Profitability and Pricing 2019.2, keep in mind the following:

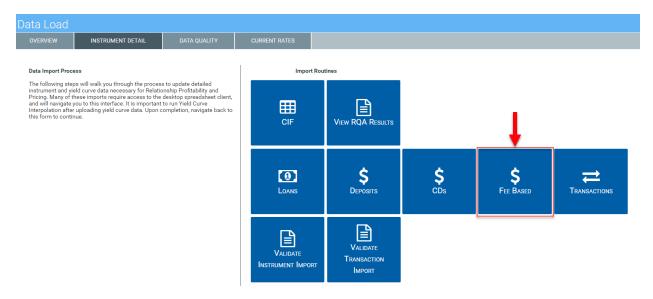
- This product upgrade contains updated user interface, data tables, calculation engines, and remediated defects.
- KHA delivered reports may be replaced. Any report that you saved under a different name or created new will remain untouched. Replaced reports are available in Document History, if needed.
- Any KHA delivered report that was moved to a new location will automatically move back to its original location.
- Security roles and sub-systems will be reset to their configured settings. All user security exceptions you may have made will remain intact.
- All prior product configuration settings will remain as is. Any required modifications to these areas are covered in the release notes, if required.

New features summary

This section includes a description for each new feature included in this release.

Fee-based import routine

We added a new import routine for fee-based instruments to the Instrument Detail tab of the Data Load section of System Management. Fee-based instruments are non-balance sheet products that do not have interest related income and expense. Capital and expenses can be allocated to these fee-based instruments in RPPS. The structure in RPPS is flexible to handle different types of fee-based products.

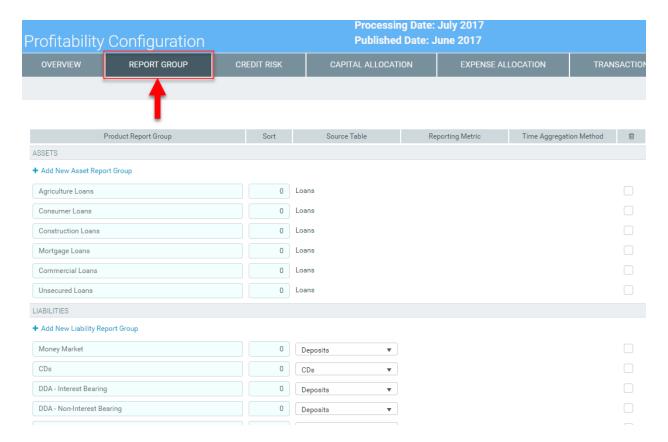


Import all instruments, including fee-based, after you import the Customer Information File (CIF). As with all the instrument imports, if Axiom RPPS finds any new products in the fee-based import, the system will add the product to the Product table. To import fee-based instruments, you will need the new import file. For information on changes to the Product table, see Changes to Product table (page 10).

New Report Group tab

We consolidated report group management functionality from the Product tab into the Report Group tab in the Profitability Configuration section of System Settings. Use this tab to manage Product and Liability Report Groups as well as the new Fee Based Report Group.

NOTE: The selections you make on each tab affect the information displayed on other tabs. Make sure you click **Save** in the upper-right before moving on to another tab.

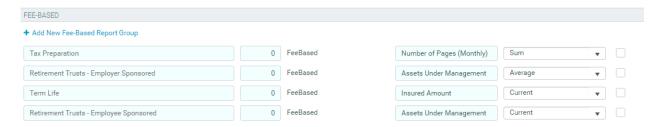


You must select a CDs or Deposits source table for the Liability Report Groups using the drop-down in the Source Table column.

► Fee-Based Report Group

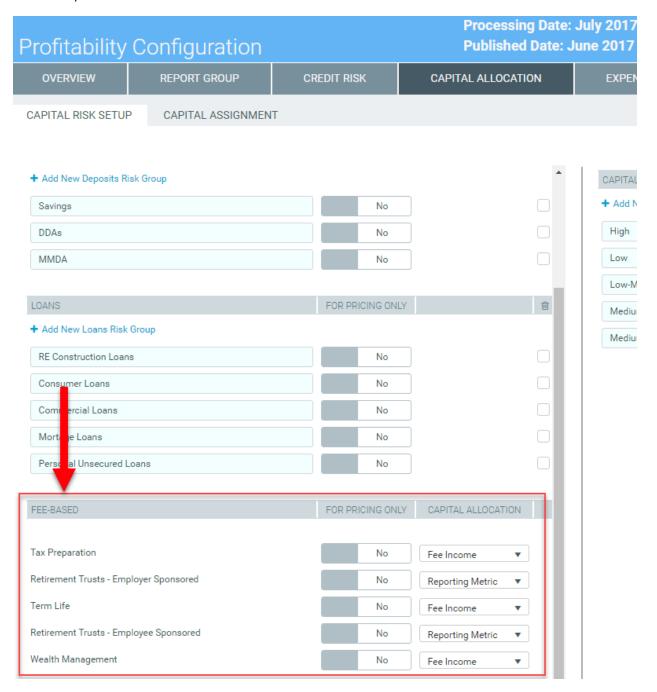
The Fee-Based Report Group is new. The Reporting Metric and Time Aggregation Method columns only apply to the Fee-Based Report Group.

Use the Reporting Metric column to customize the reporting metric label for a specific report group. Use the Time Aggregation Method column drop-down to define how Axiom RPPS defines the 12-month value for the associated report group. Sum and Average are calculated across the previous 12 months. Current displays the value for the most recent published month.



Changes to Capital Risk Setup

We added a Fee Based Risk Group section on the Capital Risk Setup section of the Capital Allocation tab in Profitability Configuration. Capital Risk Setup is now divided by source table (e.g. Deposits, Loans, CDs, Fee-Based).



NOTE: You cannot add a new Fee Based Risk Group from Capital Risk Setup. The groups displayed reflect the Fee Based Report Groups displayed in the Report Group tab. Therefore, if you add a new Fee Based Report Group in the Report Group tab, this group will display in the Capital Risk Setup tab as well. For more information on report group changes, see New Report Group tab (page 6).

Use the Capital Allocation column to determine the basis for the capital assignment. Use the drop-down to select either Reporting Metric or Fee Income.

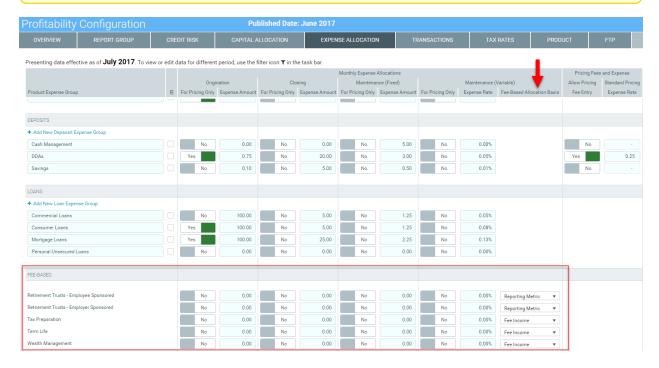
NOTE: The fee groups are listed in the Capital Assignment sub-tab of Capital Allocation as well. Assign the capital allocation to them there.

Changes to Expense Allocation

The Expense Allocation tab in the Profitability Configuration section of System Management is now organized into groups separated by instrument type.

Additionally, there is a new Fee Based group. The Fee Based group shares most of the same allocation assignment options available to the other groups except you also select a Fee Based Allocation Basis in the Maintenance (Variable) column. Use the drop-down in this column to select either Reporting Metric or Fee Income for allocating variable maintenance expense to instruments.

NOTE: The selections you make on each tab affect the information displayed on other tabs. Make sure you click **Save** in the upper-right before moving on to another tab.



Changes to Product table

We reorganized the Product table located in the Product tab in the Profitability Configuration section of System Management.

► Reorganization of the Product table

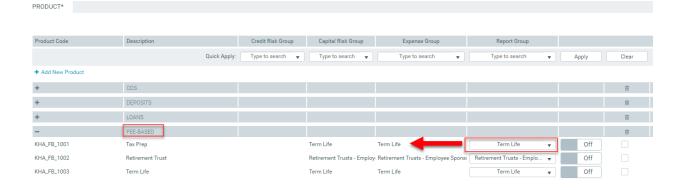
Products are now listed within expandable groupings organized by instrument type.



► Fee based product groupings

A fee based instrument type is now available. Assign a Report Group to a fee based product using the drop-down in the Report Group column. The Report Group you assign will also be assigned as the product's Expense and Capital Risk Group.

NOTE: The selections you make on each tab affect the information displayed on other tabs. Make sure you click **Save** in the upper-right before moving on to another tab.



Fee-based pricing requests

You can submit a fee-based pricing request or add fee based prospective accounts.

To add a fee-based prospective account:

- 1. In Pricing Requests, in the Product column, click +Add New Account.
- 2. In the Add Prospective Account dialog that displays, click the Customer drop-down to select a customer.
- 3. Click the Product Type drop-down and click Fee-Based.
- 4. Click the **Product** drop-down to select a product.
- 5. Type a value for the associated reporting metric that displays.
- 6. In the **Monthly Fee Income** text box that displays, type an amount.
- 7. Click Add.

The new fee-based prospective account displays at the top of the account list in Pricing Requests.

New analytical reports

Axiom RPPS has several new analytical reports included. Access to the reports is based on user security roles. You can find the new reports in the Axiom RPPS Navigation menu.

The section below briefly describes each new analytical report set and the dashboards available within each.

- Product Spread Includes last three month product spread analysis of portfolios that have originated the most volumes, average FTP spread ranking, vintage analysis of historical pricing trends by product, and analysis of future maturities of the selected portfolio for any product.
- Risk-based Pricing Includes analysis of the risk-return profile of any product in the institution using internal risk ratings and/or FICO ratings. Also includes summary findings that can be viewed by Relationship Manager, city, or zip code.
- Relationship Manager Spread Includes last three month spread analysis of Relationship Manager origination volumes for a selected product by time period, average FTP spread ranking of those volumes, vintage analysis of a Relationship Manager's historical pricing trends by product for a given year, and analysis of future maturities of a selected portfolio for any product and Relationship Manager.

Issues resolved in 2019.2

The following table lists the resolutions for issues addressed in 2019.2:

Issue Description	Description
Profit Calc: Metric Calculation [TFS 27930]	Symptom: The Temp Table Column in the Metrics Calculation - Loans Step 1 part of the Import Wizard has an incorrect column name listed for the provision expense column.
	Resolution: Corrected by renaming the provision expense column to "ProvisionExpense".
Relationship Administrator and Supervisor must be assigned to Relationship Manager role for Xmap to function [TFS 30879]	Symptom: If a user with just the Relationship Administrator role or just the Supervisor role attempts to view the Xmap, the Xmap does not display. The user must also be assigned the Relationship Manager role for the Xmap to work.
	Resolution: Corrected by updating permissions for Relationship Administrator, Supervisor, and RPPS Admin roles.
Notifications: FTP Assignment Notification has 'Open' link [TFS 32100]	Symptom: An "Open" link displays in the Notifications menu of the Axiom platform for listed FTP Assignment warnings. Resolution: Corrected by removing link from the notification warnings.
Admin: Change Text on Report Button [TFS 33669]	Symptom: The Validate Projected Profitability link texts not consistent with other link text in the user interface. Resolution: Corrected by changing the name of the "Validate Projected Profitability - All Products" link to "Validate Projected Profitability - By Product".
Pricing: Default Amortizing Term to Original Term or after Interest Only Period [TS 34920]	Symptom: Users not noticing Amortizing Term field and error message results when account will not save. Resolution: Corrected by updating field settings to default to Original Term. If an Interest Only Period is entered then the Amortizing Term = (Original Term - Interest Only period).
Capital: Capital Assignment page is not working [TFS 34732]	Symptom: The Capital Assignment tab in Profitability Configuration is not saving values or calculating the assignment. Resolution: Corrected by updating the form date variable.
Error on Individual RM Change Analysis Dashboard [TFS 34742]	Symptom: An error message displays when opening the Individual RM Change Analysis dashboard. Resolution: Corrected by updating calc method and field definitions rows.
Security: New User added with SAML fails [TFS 34829]	Symptom: Invalid Password error displays when adding a new user with a SAML login. Resolution: Corrected by removing password requirement for new SAML users.

Issue Description	Description
Tables: Rank column Data Type too small. [TFS 34937]	Symptom: The columns RAROCRank and ContributionRank on tables Relationship and Relationship Trend are not allowing more than about 32,000 relationships. The ranking process will fail if there are more relationships. Resolution: Corrected by updating limits.
CIF Publish: Errors on DateTime field [TFS 35000]	Symptom: Time stamps are causing import and publishing issues. Resolution: Corrected updating Customer_Since transform from Publish to CIFTrend and increased CIF.Customer_Since string to length 100.
Admin: Display Correct Effective Date in Rates, Expenses and Taxes [TFS 35226]	Symptom: Incorrect effective date is displayed in rates, expenses, transactions, and taxes.
	Resolution: The tables now display the most current effective data and the correct date of that data. The user now selects the desired month to make changes and then selects Save to save the updated data for that month.
Submitted Requests Report Bucket [TFS 35257]	Symptom: Submitted Request report has multiple issues including size of report being too small, the "Submitted by" and "Request Name" column values need to be updated. Resolution: Corrected by updating report sizing, column sizes, and column values.
Admin: Settings - word is misspelled [TFS 35262]	Symptom: The text in System Settings for the Relationship import should be "will" instead of "with". Resolution: Corrected by updating text.
Profitability Calc Failing [TFS 35527]	Symptom: ETL calculation in Profitability Calculations is resulting in very large decimals and causing the job to fail when running current profitability. Resolution: Corrected by updating rounding to six places.
Current Profitability Calc: 12 Month totals are not stopping at 12 Months [TFS 35541]	Symptom: RPPS is calculating 13 months of data instead of 12. Resolution: Corrected by updating metric calculation.
ProfitCalc: Interest is being carried forward on closed accounts [TFS 36080]	Symptom: On accounts that are no longer imported into the source data tables, AX_Interest is being carried forward and stored as if it were earned that month and being displayed in reports. Resolution: Corrected by updating AX_Interest mapping.

Issue Description	Description
Increase String Length for the 'Name' column in the Relationship table [TFS 35403]	Symptom: When running the CIF import the relationship name can receive an error due to the Max String length of the 'Name' Column. Resolution: Increased length of Relationship Name to 100 characters.
Notifications: Scheduler Jobs: Imports, Publish, and several other jobs are not giving Notifications or incorrect Notification [TFS 30176]	Symptom: Axiom RPPS does not display notifications to the user after data imports or publish operations are processed regardless of success. Resolution: Corrected by updating instrument import and related job flags.
Pricing: Interest Index not appearing on Variable products [TFS 35751]	Symptom: In a New Account pricing request, if the product (Deposit or Loan) selected is a Variable Interest Rate Type the assigned Interest Index is not displayed. Resolution: New Account template fixed to look up the correct Interest Index.

Known issues

The following table lists the known issues in this release:

Issue Description	Explanation
Import Relationships - Blank RelationshipID in import file [TFS 34166]	Symptom: CIF is not moved to new relationship when CIF exists and is already assigned to a relationship but its TIN in the import file now matches TIN of a CIF in a different relationship.
	Explanation: Will be corrected in a future release.
Admin: Display Correct Effective Date in Rates, Expenses and Taxes [TFS 35226]	Symptom: Incorrect effective dates displaying in certain System Management (Admin) pages. Explanation: Will be corrected in a future release.
My Portfolio: Date fields are also displaying Time [TFS 26350]	Symptom: In My Portfolio, in the Account section, date fields are displaying Date/Time. Explanation: Will be corrected in a future release.
Pricing Scenario: Add New Account drop down box display issue [TFS 28437]	Symptom: Drop-down menus are missing certain edges depending on browser zoom levels. Explanation: Will be corrected in a future release.
Pricing Request: Add Prospective Account window is jumping on page [TFS 28441]	Symptom: When clicking a drop-down in the Add Prospective Account display, if the page size has been reduced or if using a laptop, the display window moves and the Close bar disappears. Explanation: Will be corrected in a future release.
Pricing: Format of Initial Payment Amount field is incorrect [TFS 28487]	Symptom: In a Prospective Account display, the Initial Payment Amount is formatted as an integer rather than currency amount when a Payment Type of Principle + Interest is selected. Explanation: Will be corrected in a future release.
My Portfolio dashboard values are not updated when unassigned customer is added to existing relationship OR when customer is removed from existing relationship [TFS 28965]	Symptom: The various values in the My Portfolio dashboard are not updated after the unassigned customer is added to the existing relationship. Explanation: Will be corrected in a future release.
Reports (all): PDF versions are not formatting correctly [TFS - Multiple]	Symptom: The PDF version of all the reports contain presentation issues and are of limited use when printed. Explanation: Will be corrected in a future release.

Issue Description	Explanation
Pricing: Exiting New Account edit window by selecting 'X' results in incorrect data on Scenario Compare page [TFS 30883]	Symptom: When editing a New Account in a pricing request, if the edit display is closed by selecting 'X' in the upper-right corner of the display then there are errors in the Scenario Compare results. Explanation: Will be corrected in a future release. When you finish editing a new account, click Save or Close to exit.
My Portfolio: The Dashboard stops refreshing if select a CIF or Account [TFS 31305]	Symptom: In My Portfolio, the dashboard at the top of the display stops refreshing if the user selects a customer or account. Explanation: Will be corrected in a future release.
Navigation Bar: Rel Builder: If user does not have Rel Builder role then 'Relationship Builder' should not be option [TFS 31306]	Symptom: When a user without a Relationship Builder role clicks Relationship Builder link in the Navigation menu, RPPS displays a Login as administrator message. Explanation: Will be corrected in a future release.
Imports: The value used for Status is inconsistent - A/C vs Active/Closed [TFS 31307]	Symptom: Import status for CDs is set to "A" or "C" while import status for loans and deposits are either "Active" or "Closed". Explanation: Will be corrected in a future release.
My Portfolio: Many column headers are truncated [TFS 31309]	Symptom: The column headers for Relationships, Customers, and Accounts are truncated so it may be difficult for the user to discern the data they are viewing. Explanation: Will be corrected in a future release.
Pricing: Add Prospective Account fields are not clearing [TFS 31357]	Symptom: Axiom RPPS is not clearing the Product field in the Add Prospective Account display in My Portfolio after user selects customer, product type, and product then goes back to change product type. Explanation: Will be corrected in a future release.
Reports: Initiating a report (leaving a page) triggers a misleading message to the user. [TFS 32160]	Symptom: Users receive a message that they have unsaved changes when leaving a page even though they may not have made changes. The Data Load page will display the message when users are not leaving the page. Explanation: Will be corrected in a future release.
Security: Unable to modify Existing Users or in Members of Role sections [TFS 32679]	Symptom: Existing user names are overlayed over other user names. Explanation: Will be corrected in a future release.

Issue Description	Explanation
Pricing: Submit button needs to be available for all the scenarios [TFS 33324]	Symptom: There is not Submit link on the Scenario Comparison page for non-submitted scenarios. Explanation: Will be corrected in a future release. Users can currently copy a submitted scenario and modify it to have access to a Submit link.
Security: Remove AutoFill from Add New User display [TFS 34386]	Symptom: When adding a new user in Security, Auto Fill pops up with a prior user's information. This occurs in First Name, Last Name, and Email fields. Explanation: Will be corrected in a future release.
Admin: TIN Exceptions - When added need to update grouping column in CIF [TFS 34450]	Symptom: When TIN Exception is added then the process to update the TIN grouping column in CIF should be kicked off. CIF records have a column named 'UniqueCustomerGrouping'. The column either contains the TINHash value if the TIN is not on the TIN Exception table or it contains an alternate unique value (CIFID) so the CIF will not be grouped. The process (SQL) that sets this value is in the 'RPPS Post-Import Customer and Relationship Process' scheduler job. Explanation: Will be corrected in a future release. To work around, import and save the latest CIF file. This will cause the UniqueGrouping value on all CIF records to be updated.
Imports: Loans and CDs - Need check for blank Source Sys Desc [TFS 34574]	Symptom: The source data imports for Loans and CDs are not checking for a blank Source System Description field prior to concatenating it with the Native Interest Index. This will cause the native interest index to be "_Prime" with a leading underscore. Explanation: Will be corrected in a future release.
DQA Report: DQA Drill Log Displays wrong date in header [TFS 34996]	Symptom: When drilling into the DQA report the date in the header of the DQA Log Drill report is incorrect. Explanation: Will be corrected in a future release.
FTP Assignment: FTP Assignment page and Current Profitability Calculation incorrectly display undefined product warnings [TFS 34997]	Symptom: The FTP Assignment page displays a warning that there are new products that need to be defined in FTP Assignment even though all new products that were imported have already been defined. Running Current Profitability also creates a warning that there are FTP Assignments to be defined but the count for them is zero. Explanation: Will be corrected in a future release.

Issue Description	Explanation
Calculate Current Profitability & Projected Profitability: Processing time slower with 2019.1 [TFS 34998]	Symptom: Processing times for Current and Projected Profitability have increased since the 2019.1 release. Explanation: Will be corrected in a future release.
Reports: Relationship Summary format issues [TFS 35094]	Symptom: Current Total Commitment should be formatted as '9,999'. It is currently missing the commas. Explanation: Will be corrected in a future release.
My Portfolio: Manager Filter displays internal ID [TFS 35145]	Symptom: In My Portfolio, in the Filter for Manager, the drop-down displays the internal ManagerID instead of the external ManagerID used by the user. Explanation: Will be corrected in a future release.
Report: Account Detail Rpt - Term is incorrect [TFS 35263]	Symptom: The Term is incorrect in the header on the Account detail report. It is also repeated twice. Explanation: Will be corrected in a future release.
Report: Account Recap Card - Showing 1/0/1900 for maturity data on non-maturing accounts [TFS 35264]	Symptom: The account recap card is displaying 1/0/1900 as the maturity date on non-maturing accounts. It should be blank if there is no maturity date. Explanation: Will be corrected in a future release.
CIF Import Process: Fail on Customer Since date [TFS 35267]	Symptom: The CIF import process may fail at the RQA step due to the Customer Since field being too small. Explanation: Will be corrected in a future release.
Import: CD Import is missing Origination Expense [TFS 35268]	Symptom: The CD import is missing the Origination Expense field that is on the other source data imports. Imported value should be mapped to RPPS_OriginationExpense. Explanation: Will be corrected in a future release. To work around, add Origination Expense to Maintenance Fixed Expense on imports.
Increase String Length for the 'Name' column in the Relationship table [TFS 35403]	Symptom: When running the CIF import, First Business Bank receive an error due to the Max String length of the 'Name' Column. Explanation: Will be corrected in a future release.

Issue Description	Explanation
Pricing: Interest Index not appearing on Variable products [TFS 35751]	Symptom: In a New Account pricing request, if the product (Deposit or Loan) selected is a Variable Interest Rate Type the assigned Interest Index is not displayed and the current pricing rate is not being use. The Interest Index area is blank. The spread box is available for entry and calculate into expense for pricing. Explanation: Will be corrected in a future release.
Scheduler Notifications [TFS 35904]	Symptom: The user submitting a job in RPPS may not be the user who receives job status notification emails. Explanation: Will be corrected in a future release.
Reports: Error when running reports from My Portfolio [TFS 35979]	Symptom: Running the Account Detail report in My Portfolio may display an error message eventhough the report can be run from XMap without error. Explanation: Will be corrected in a future release.
RQA: Import CIF Fails on duplicate key [TFS 36098]	Symptom: Importing a CIF file with relationships resulting in error message saying that user cannot insert a duplicate key for Manager Exceptions. Explanation: Will be corrected in a future release.
Projected Profitability: FTM Avg Balance incorrect if less than 12 months of data for non-amortizing [TFS 36161]	Symptom: The FTM Avg Balance is incorrect if there is less than 12 months of data. Explanation: Will be corrected in a future release.
Admin: Report Group Sort Value overwritten by Zero [TFS 36206]	Symptom: In Admin (System Management) / Profitability Configuration / Report Group, the user can save a sort order value and the report groups are reordered on the screen. The form does not bring back the saved sort value so if the form is saved again it resets all the sort values to 0 and the sort order is lost. Explanation: Will be corrected in a future release.