Release Notes
Axiom Software
Version 2019.4

KaufmanHall
AXIOM

Contents

Introduction

Kaufman Hall is pleased to announce the release of **Axiom Software Version 2019.4**. This release features enhancements to various areas of the software, such as:

- Fixed Report component enhancements to accommodate a wider variety of report needs, including greater flexibility to define the rows of dynamic row sections, and the ability to designate contra accounts to automatically subtract from subtotals
- Export Formatted Grid components to a spreadsheet with formatting automatically applied
- Import Wizard enhancements to assist in testing and troubleshooting imports
- Expanded support for Ellucian imports, including the ability to import from Colleague systems and specify default connections

Version 2019.4 was originally released on December 16, 2019.

Upgrade process summary

Kaufman Hall strongly encourages clients to upgrade to the latest version, to keep your software current and to gain access to the new features and enhancements introduced in each release.

IMPORTANT: If your Axiom Software system includes installed vertical-specific products, please consult the release notes for the applicable product suite for further information and product-specific installation instructions.

1. **Review release notes**: Review this document to familiarize yourself with the new features and functionality, and any upgrade considerations.
2. **Schedule an installation date**: Submit a request to your organization's Axiom Master System User (MSU) to contact support@kaufmanhall.com to schedule an installation date and time, with at least three days advance notice. The request should include the following information:
    - Desired Axiom Software platform version.
    - Indicate whether to first refresh the test sandbox with a copy of the production instance of Axiom Software and apply update(s) to it. If so, provide the earliest date that Kaufman Hall can do this.
    - Propose an approximate two-hour downtime window when Kaufman Hall can apply updates to the production instance of Axiom Software during regular business hours: Monday through Friday, 7 AM to 7 PM Central (except holidays recognized by Kaufman Hall).

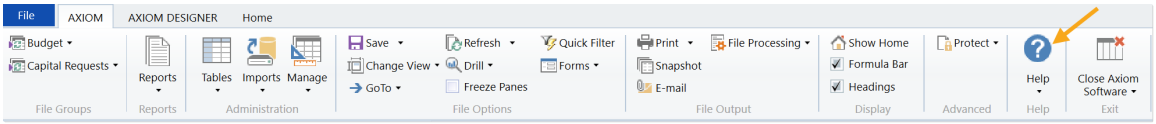
IMPORTANT: Although Kaufman Hall strives to maintain backward-compatibility with each release, any upgrade has the potential to interrupt system functionality. The Upgrade considerations section details known impacts to existing functionality, however, other impacts may be unforeseen at the time of release, or may be particular to your system. We strongly recommend performing the upgrade first on a test sandbox and then testing critical system functionality.

Help and training

Kaufman Hall provides world-class resources at your fingertips directly within Axiom Software. In Axiom Help you can find comprehensive software documentation—including detailed instructions, examples, and reference information—as well as a troubleshooting knowledge base, documents, videos, release updates, and links to other resources such as training webinars.

Axiom Help is accessible from either the Desktop Client (Excel and Windows) or the Web Client:

- **Desktop Client**: On the **Axiom** ribbon tab, click **Help**.

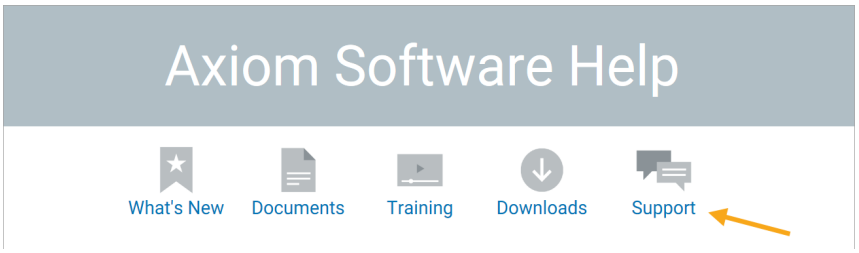


- **Web Client**: Click the question mark icon (**?**) in the top right of the gray task bar.

Context-sensitive help also is available throughout the software. In most dialogs, you can click the question mark icon (**?**) in the top right corner to access information about the current feature. Some pages in the Web Client also have context-sensitive help.

Escalating to Axiom Support

As always, we appreciate your commitment to Kaufman Hall. If you have any questions about upgrading to version 2019.4, please contact us by logging into Axiom Software, opening Axiom Help (as described in the previous section), and then clicking **Support**.



Overview of new features and enhancements

This section provides an executive summary of the features and enhancements in this release. For more information, please see the separate *What's New* document for 2019.4, or see the *What's New* section in Axiom Help.

Fixed Report enhancements

The Fixed Report component of Axiom forms was enhanced to accommodate a wider variety of report needs. Dynamic row sections now support generating rows with multiple "sum by" levels, as well as the ability to define a display format for row labels. Additionally, both dynamic and fixed row sections can now designate certain rows as "contra" accounts, so that those rows are automatically subtracted from section subtotals instead of added.

Position ID	Employee		Current Salary
Staff Non Exempt			
H000172 - Executive Assistant	Jen Smith		$108,100
H000172 - Executive Assistant	Yolanda Free		$106,100
N000010001 - Open Part Time Office Assistant	Vacancy		$66,800
Total Staff Non Exempt			

Example dynamic row section using a display format and multiple sum by levels

Additional enhancements

- You can now preserve most formatting when exporting a Formatted Grid component from an Axiom form to a spreadsheet. Formats applied to the spreadsheet export include fonts, background colors, borders, row height, and column width.
- The Import Wizard provides additional tools to assist in testing and troubleshooting, including the ability to automatically create a destination table based on the import mappings, and view the temp table without requiring transform pauses.
- Ellucian imports now support importing data from Colleague systems in addition to the existing Banner import functionality. Additionally, you can now designate default connections for use with these imports.
- When using time-stamped Axiom queries, you can now specify additional tables to consider when determining whether the query should be run.
- Additional minor enhancements were made to handle brackets in file processing email text, clear orphaned save locks for Axiom forms, and optionally suppress the X button on Dialog Panels in Axiom forms.

Upgrade considerations

Please review the considerations in this section before upgrading to version 2019.4. If you have any questions or if you need assistance with upgrading, please contact Axiom Support.

IMPORTANT: This document details the upgrade considerations when moving from the most recent Axiom Software release of 2019.3 to the new release of 2019.4. If you are upgrading from an earlier version, please also see the release notes for the interim versions for any additional upgrade considerations.

Change in import behavior for String columns with null default values

Description	If the import temp table contains null values, and the destination column is a String column with a null default value, an empty string is now saved to the column instead of a null value. The save behavior of imports for this column configuration is now consistent with the behavior of Save Type 1 and Open Table in Spreadsheet. However, please note that it is still not recommended to use null default values with String columns.
Testing and Review	This change should not adversely affect any clients. Even if a client had this configuration previously and null values were imported into the String column, these null values would have been changed to empty string if the column data was saved using Save Type 1 or Open Table in Spreadsheet.

Advance notice: planned removal of deprecated Workflow feature

Description	The Workflow feature was replaced several years ago by *plan file processes* in Process Management. Workflow was deprecated and hidden in all systems, except in existing systems that were actively using it. Since that time, it has been supported for backward-compatibility only, to give clients time to migrate to the new feature. We are now giving advance notice that we plan to remove the deprecated Workflow feature as of version 2020.1. Removing deprecated features helps to simplify our development and testing efforts.
Testing and Review	In our understanding, most or all clients have already migrated to using plan file processes. However, if any clients are still using workflow, you should migrate the workflow to a plan file process at your earliest convenience. If you have any concerns about the planned removal of this deprecated feature, please contact Axiom Support.

Advance notice: planned removal of deprecated Data Explorer feature

Description	The Data Explorer feature has been deprecated in favor of the existing Web Reports feature and the developing Axiom Intelligence reporting feature. Since the introduction of the browser-based Report Builder in 2018.1, Data Explorer has been supported for backward-compatibility only. We are now giving advance notice that we plan to remove the deprecated Data Explorer feature as of version 2020.1. Removing deprecated features helps to simplify our development and testing efforts.
Testing and Review	In our understanding, most clients have already discontinued use of Data Explorer. If you have any concerns about the planned removal of this deprecated feature, please contact Axiom Support.

Potential impacts on end users

This section summarizes the potential impacts to your end users when upgrading to version 2019.4. This list is provided to help you understand changes that you may need to communicate to end users. You may also need to update your internal documentation.

- Nothing to note in this release.

NOTE: "End users" refers to users who work with plan files and reports that have been built for them. These users do not perform any file setup activities or administration activities. It is assumed that Master System Users will fully review the release documents to understand changes that may affect them and other power users.

Installation and technical notes

Starting with version 2020.1, the minimum required version of Microsoft .NET Framework will be 4.8. This applies to all Axiom Software client and server applications. This note provides advance notice of this new technical requirement.

Fixed issues

The following issues were fixed in version 2019.4.

Item	Description	
35108	Issue:	Comments associated with the "deny" action in plan file processes are not displayed on the Process Routing page.
	Status:	The "deny" comment is now displayed on the Process Routing page and in other areas that display process comments.
35200	Issue:	Cannot create a new local folder when running file processing in a cloud system over the cloud integration service.
	Status:	This issue should no longer occur; file processing can create new local folders if the service has the appropriate network permissions to do so.
39948	Issue:	In systems using the German regional format, the Open Plan Files dialog displays an error instead of a list of plan files.
	Status:	This issue should no longer occur; the list of plan files displays as expected.
40437	Issue:	If a multiple file import is configured to "prompt for path", that import fails to run in Scheduler jobs with a given folder path.
	Status:	The Scheduler job now correctly reads the given path for this import configuration.
40596	Issue:	If a table column is assigned to itself as a lookup column, issues occur when drilling reports that reference the table column.
	Status:	This is not an intended configuration and is now blocked in the user interface.
41103	Issue:	If a DataLookup tag has a trailing space, it fails to run as expected.
	Status:	Trailing spaces are now ignored when the system checks for tags to process.

Item	Description	
41432	Issue:	Scheduler jobs with a recurring scheduling rule may drop off of the schedule when the clock changes due to Daylight Savings Time.
	Status:	If a job attempts to schedule itself for a time that is invalid due to a Daylight Savings Time adjustment, an hour is added to the scheduled time so that it is now valid and remains on the schedule.

Appendix: Version 2019.4 patches

This section details the fixes and enhancements in patch releases for Axiom Software version 2019.4. For assistance with any patch, please contact us by logging into Axiom Software, then open Help and click Support.

Axiom Software patches are cumulative. All fixes and enhancements included in prior patches are included in the current patch.

Current patch: 2019.4.46

No platform-specific changes were made in this patch. See the separate product release notes for information on any product-specific changes.

Patch 2019.4.45

No platform-specific changes were made in this patch. See the separate product release notes for information on any product-specific changes.

Patch 2019.4.44

This patch contains updates to internal tools. No client-facing fixes were included in this patch.

Patch 2019.4.43

This patch contains back-end changes intended to improve performance for cloud systems.

Patches 2019.4.35 - 2019.4.42

No platform-specific changes were made in this patch. See the separate product release notes for information on any product-specific changes.

Patch 2019.4.34

The following issues were fixed in this patch:

- 50719: Exporting a very large formatted grid from an Axiom form to Excel takes much longer in versions 2019.4 and up.

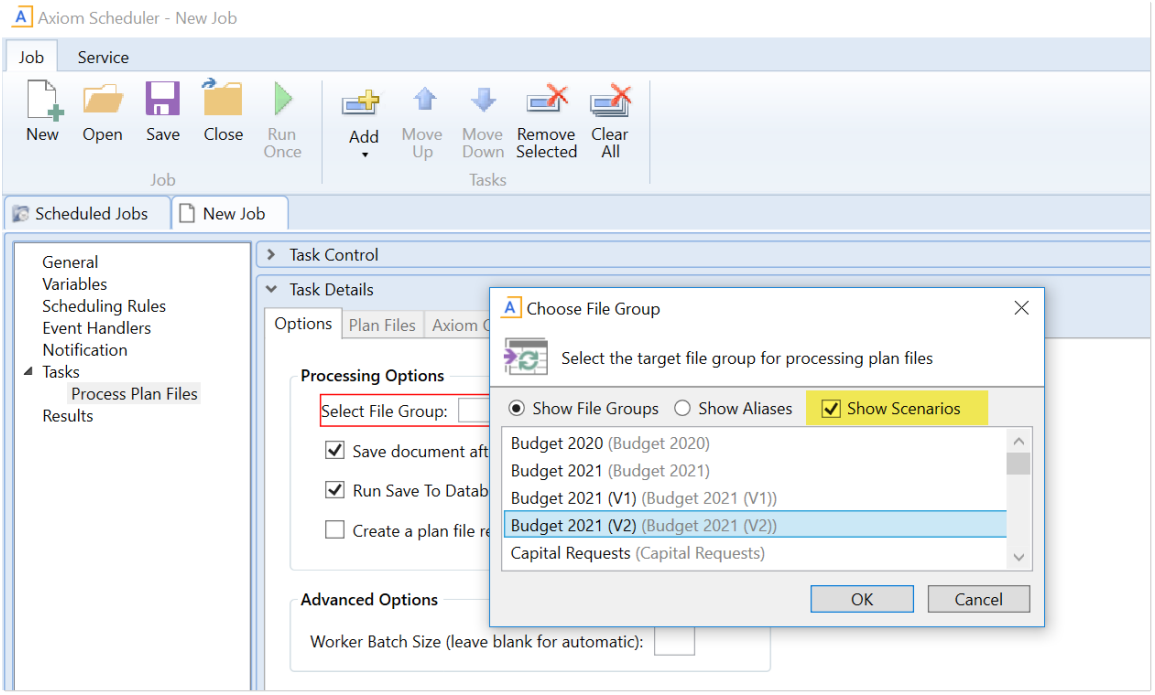
Patch 2019.4.33

No platform-specific changes were made in this patch. See the separate product release notes for information on any product-specific changes.

Patch 2019.4.32

The following enhancements were included in this patch:

- You can now schedule plan file processing for file group scenarios. When configuring a Process Plan Files task in Scheduler, you can use the new **Show Scenarios** option in the **Choose File Group** dialog to select a file group scenario for processing.



Patch 2019.4.31

The following issues were fixed in this patch:

- 48183: The Desktop Client does not route traffic to the proxy when configured to do so via the Software Manager, resulting in a failure to launch.

Additionally, this patch contains security updates.

Patch 2019.4.30

This patch contains security updates.

Patch 2019.4.29

The following issues were fixed in this patch:

- 46309: In systems with many users, the application server may become non-responsive after making security updates if a large number of users are currently logged in.

Patch 2019.4.28

The following issues were fixed in this patch:

- 44077: In cloud service systems with certain configurations, authenticating to the OData API using Microsoft Power BI may fail.

Patch 2019.4.27

The following issues were fixed in this patch:

- 43452: In cloud service systems with certain configurations, an error may occur when attempting to generate a PDF of an Axiom form.
- 44120: In cloud service systems with certain configurations, PDFs generated via snapshot file processing of a spreadsheet Axiom file on Scheduler do not use the expected fonts.

Patch 2019.4.26

The following issues were fixed in this patch:

- 43994: In a Data Grid component, if the sum by column name is not fully qualified, values are not written back when a row is selected or when an action is performed on a row.

Patch 2019.4.25

The following issues were fixed in this patch:

- 43456: In a Data Grid component, if different columns from the same table use the same column filter, all of the columns using the filter return the data from the first filtered column.
- 43493: If a non-administrator user saves security changes in a system with Axiom Intelligence reporting, the data model is synchronized using the AI Table security permissions of that user, which may result in missing data within Axiom Intelligence reports. Subsystem administrators and users with the Administer Security permission can save security changes without being a full administrator.
- 43655: In a Data Grid component, an error occurs when attempting to use end-user filtering on a column if the column and the grid are set up as follows: the column is a sum by column, the column name is not fully qualified, and the data grid includes columns from multiple data tables. Only applies to Axiom forms.

Patch 2019.4.24

This patch contains updates to internal tools. No client-facing fixes were included in this patch.

Patch 2019.4.23

This patch contains security updates, updates to internal tools, and updated translations.

Patch 2019.4.22

This patch contains updated translations.

Patch 2019.4.21

The following issues were fixed in this patch:

- 41835: In systems with very large amounts of audit history, applying filters in the Audit Manager can hang the system and prevent users from logging in.