



# **Aras Innovator Release 2024 Release Notes**

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# 1 Key Enhancements

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## 1.1 Set Tabs as Login View

The new user preference setting "Set Tabs as Login View" will remember the current set of tabs, and automatically open them when the user logs in again. This includes the splitscreen configuration and which tabs are active.

## 1.2 Copy Grid Cell to Clipboard

Data in any grid cell (main search, modal search, relationship, or tree grid view) can be copied to the operating system clipboard by selecting the cell and pressing Ctrl+C.

## 1.3 Tooltips for Properties in Grids and Forms

The standard attributes "Tooltip" and "Help Text" of ItemType Properties may be configured to display contextual help information for properties displayed as grid columns and form fields. Setting a value for "Tooltip" will display a "?" icon beside the column/field label. Hovering the cursor will display the tooltip value. Setting a value for "Help Text" will add a "Show More" link inside the tooltip which, when clicked, will display a dialog window for longer text descriptions. Additionally, all grid column headers will display a simple browser tooltip on hover containing the column label so truncated labels can be viewed without needing to expand the column width.

## 1.4 Embedded Document Elements

This feature provides the ability to insert child Graphics, Item properties, and other text-based Document Elements within a parent text Document Element. Authors can classify selected text within a sentence and/or relate this text directly to a referenced Item property when using this feature.

## 1.5 Indicator for Non-Current Item Version

An indicator has been added to alert users of non-current Item versions. This helps to avoid reviewing out-of-date information. A link next to the indicator is provided to open the current Item version in a separate tab.

## 1.6 Simulation Viewer Update

The Simulation Viewer has been updated to VCollabWeb 22.2 to support the latest web viewer features and versions of the WCAX format with the following:

- Added support for wcax version 3.4.
- Added support to control the features (Probe, Product tree, Explode, Clip Planes) from a WCAX file.
- Added support for responsiveness to the image label.
- Added product tree, clip planes, explode model.
- Added support for ruler.
- Added support for show/ hide of result name and instance name header in the legend.
- Enhanced the selected element export with part information.
- Added support for show/ hide of XY Plot data points.
- Added support for position of Axis.

- Added option to set any viewpoint through query string.
- Added support for Adams animation and legend animation.
- Added support for legend transparency.
- Added support for image label.
- Added support for 2D image viewpoint.
- Added support for keeping feature edges in a section.
- Added support for axis position.
- Added support for independent model rotation, fixed animation speed and scale factor and show/hide for XY-Plot.
- Added support for special characters in the Units.
- Added Markup notification feature.
- Preview of New Responsive Forms

This release of Aras Innovator includes a preview of the new capability to create and view item forms in a responsive layout to allow administrators to gain familiarity with this new approach. Future releases will provide additional functionality such as a rule-based layout and field styling. The existing Form capability (now referred to as Classic Forms) continues to work as usual.

- **Responsive Form Designer**

The Responsive Form Designer is provided to create a responsive layout for an Aras Innovator Form. This layout provides an alternative to the Classic Form definition that relies on assigning x,y coordinates to each of a Form's fields. The Responsive Form Designer enables administrators to define a Form's content using container elements such as columns, column sets, and group boxes.

- **Responsive Forms for Item Views**

Responsive Forms adapt to the size of the browser window or screen resolution. The Responsive Forms can be assigned to ItemType Views so end users will be able to use the Forms while viewing and editing Items.

- **Responsive Form Designer Canvas**

The Responsive Form Designer canvas enables administrators to preview the content and layout of a Responsive Form. The designer UI also includes buttons for toggling the visibility of the side panels and layout guides so administrators can view the form as the end users will see it when it's rendered.

- **Responsive Form Designer Element Pane**

The Responsive Form Designer includes an Element Pane, which lists the layout elements and fields that may be dragged and dropped onto the canvas. Layout elements include columns, preconfigured column sets, and group boxes. The Element Pane also lists the properties available to add to the canvas when the Form is related to an ItemType.

- **Drag & Drop Layout Elements for Responsive Forms**

The Responsive Form Designer enables administrators to drag and drop layout elements and fields within the canvas to modify the content of the Form.

- **Responsive Form Designer Detail Pane**

The Responsive Form Designer includes a detail pane for viewing and editing the properties of the form. The detail pane also provides the ability to view and modify the properties of the elements selected in the designer canvas.

- **Add Responsive Form to a Package**

Administrators can add a Responsive Form to a package in the Responsive Form Designer.

- **Switch Between Responsive and Classic Forms**

Administrators can use the added Switch to Responsive Form action in the Classic Form Editor to enable the Responsive Form Designer and create an alternative responsive layout for the current

Form Item. The Switch to Classic Form action in the Responsive Form Designer is used to revert the Classic Form Editor and Classic Form content.

- Reduced Metadata Requests for List Properties

The number of requests to populate List data were reduced to further optimize the loading of information in Search Grids.

- Control Dashboard Access Using Private Permissions

Dashboard Creators and Dashboard Administrators can control access rights to specific identities.

This set of permission controls only the Dashboard itself and not the data displayed by the Widgets components. Data is always controlled by the logged-in user privileges.

## 1.7 Field Descriptions for Responsive Forms

Administrators can now configure description text to help end users understand the purpose of fields on Responsive Forms.

## 1.8 Grid Widget in Dashboards with Configurable Layout

Grid Widgets in a Dashboard now restore the Grid Layout saved with the selected Favorite Search, so that only the specific desired columns are shown.

## 1.9 Rule Configuration for Responsive Forms

This release of Aras Innovator introduces added functionality which enables Administrators to configure rules on Responsive Forms. A rule can have one of three Display behaviors, which are hidden, read only, and default. Administrators benefit from this added functionality as custom code changes are not required to create customized forms for users.

## 1.10 Search Grid Previews

This release of Aras Innovator introduces functionality which enables Administrators to configure Responsive Forms for use in the preview pane of Search Grids. The preview form adapts its layout to the size and shape of the adjustable preview pane.

## 1.11 Configurable Web Services Editor

This release introduces the Configurable Web Services Editor which is a visual interface that enables administrators and business users to define and publish custom REST APIs. Users can select the ItemTypes to include in an API without any coding, AML, or SQL skills.

### 1.11.1 Define Web Service Actions

The Configurable Web Service editor enables administrators or business users to restrict the basic operations allowed for ItemTypes in a custom web service. With this capability, users can limit a web service to a subset of the permissions granted by the ItemType's access control settings.

### 1.11.2 Add ItemType Methods to a Web Service

The Configurable Web Service editor enables administrators or business users to select Methods for the ItemTypes in a custom web service. With this capability, users can create or reuse Server Methods to extend the Configurable Web Service for a specific ItemType.

### 1.11.3 Add Properties to a Web Service

The Configurable Web Service editor enables administrators or business users to select Properties for the ItemTypes in a custom web service. With this capability, users can limit the accessible data to applications and integrations that use each configurable Web Service.

### 1.11.4 Add Relationships to a Web Service

The Configurable Web Service editor enables administrators or business users to select Relationships for the ItemTypes in a custom web service. With this capability, users can limit the accessible data to applications and integrations that use each configurable Web Service.

### 1.11.5 API Keys for Configurable Web Services

This release of Aras Innovator includes a new API Key capability for authorizing HTTP requests sent to a Configurable Web Service endpoint. This feature provides an alternative to OAuth for authorizing applications and integrations that use a Configurable Web Service.

### 1.11.6 Create New Version of Web Services

Configurable Web Services enable users to publish one or more version-stable endpoints for each web service. This capability enables web services to adapt to changing requirements without disrupting service to existing applications or integrations.

### 1.11.7 Global Methods for Configurable Web Services

The Configurable Web Service editor enables administrators or business users to select Methods and define parameters in a custom web service. With this capability, users can create or reuse Server Methods to extend the Configurable Web Service with custom logic.

### 1.11.8 File Options for Configurable Web Services

Configurable Web Services enable administrators and business users to create REST APIs that support uploading and/or downloading from an Aras Vault Server.

## 1.12 Responsive Form Update Package

This release provides an enhanced Update Package for switching from Classic Forms to Responsive Forms. Administrators are no longer required to manually modify form packages which could potentially lead to usability issues.

## 1.13 Repeat Grid Values

This release provides an enhancement for repeating grid values. This functionality enables users to select multiple rows and columns and copy the data to adjacent rows by selecting the handle in the lower right corner of the grid cell, as done in Microsoft Excel or Google Sheets.

This feature is available in all standard editable grids: relationship grids and main search grids that have been configured to enable editing. Use of this feature follows the same logic, permissions, and restrictions of typical data input such as requiring records to be locked and in an editable state before changes are permitted.

## 1.14 Dynamic Context Selection in Dashboard Widgets

This release introduces functionality that enables dynamic data navigation within Dashboards which enables widgets to seamlessly update the context item based on selections made in other widgets within the same Dashboard.

Users can set up a Dashboard with a Grid Widget and as well as a Tree Grid View Widget with a preselected default context item. With dynamic context selection enabled, highlighting a row in the Grid Widget triggers an automatic update in the Tree Grid View Widget, loading the corresponding

content without having to edit the widget configuration. The Grid Widget serves a dual role as both publisher and receiver, unlike standard TGV and Report Widgets, which can only receive the selection.

## 2 Fixed Issues and Known Issues

### 2.1 Fixed Issues in Aras Innovator Release 2024

#### 2.1.1 Platform

Issue #	Fixed Description
F-007396	When more than one user has the same item version open and one user updates the item to a new version, the other user will receive an error message when trying to make their updates to the older version. The system performs a refresh, and the new version appears. This prevents users from making updates based on outdated information.
F-007403	This release of Aras Innovator introduces functionality which enables Administrators to configure Responsive Forms for use in the preview pane of Search Grids. The preview form adapts its layout to the size and shape of the adjustable preview pane.
F-007407	This release of Aras Innovator introduces added functionality which enables Administrators to configure rules on Responsive Forms.
F-007633	The iOS and Android Software Development Kit (SDK) files are no longer provided, as of this release of Aras Innovator. SDK files are still provided for .NET and COM.
F-007949	Additional information has been added to the message which appears when a user is trying to work with a locked item. The name of user who has claimed (locked) the item now appears.
I-050095	Creating multiple Relationships to the same ItemType, where one of them is set as excluded, no longer produces an error.
I-057927	Field labels on Responsive Forms now sync with the appropriate property label on the associated ItemType.
I-057834, I-058038	Dropdown fields on Responsive Forms now show all available options without cropping content.
I-058052	File fields on Responsive Forms are updated correctly from the values stored in the database when end users click the discard button to clear local changes.
I-058068	When maximizing a panes in Responsive Forms, a scrollbar will be included within the window if needed so that end users can reach all parts of the Form.
I-058323	Clicking the ItemType property in the Responsive Form designer now opens the associated ItemType without error.
I-034530, I-056464	When exporting a Tree Grid View to Excel, properties of datatype list will export the list Label rather than the list Value.



Issue #	Fixed Description
F-007406	An administrator can add a Responsive Form to a package using the Responsive Form Designer's Add to Package Definition action.
F-007443	Administrators can now export parent-child relationships in different packages without manual modification. The export utility will automatically export the relationship with the child item when the parent item is in a different package.
F-007497	The Responsive Form Designer enables administrators to drag and drop layout elements and fields within the canvas to modify the content of the Form.
F-007516	Administrators can use the Switch to Responsive Form button in the Classic Form Editor to enable the Responsive Form Designer and create an alternative responsive layout for the current Form Item.
I-004653	The Properties Panel and Properties Dialog now properly displays the label 'Claimed By' instead of 'Locked By' to reflect the newer 'Claim' feature.
I-044447, I-052682	When "Export to Excel" is performed on an item with an "&" in the property value, the "&" is now included in the output.
I-056672	Updated the Aras Migration Analyzer User Guide documentation to clarify how to analyze the source code of custom DLLs referenced by server methods in Aras Innovator.
F-008097	The Configurable Web Service editor enables administrators or business users to select Relationships for the ItemTypes in a custom web service.
I-061307	Column Sets and Group Boxes are now automatically removed from a Responsive Form when all child elements have been removed.
I-061916	The 'cui_default_pmig_done_click failed' error has been resolved. Users will no longer see this error when adding a file to a Property in the Main Grid.
I-062309	Items can now be saved after clearing an existing Float or Decimal value on a Responsive Form.
F-000311	A progress indicator is now displayed when a search is executed in search grids, including main search, relationship grids, and modal search.
F-000535	Users can now enter a specific page number in the pagination toolbar and jump to that page of search results.
F-005149	When editing items within the main search grid, it is now possible to pick Done with multiple items selected. If at least one item encounters an error while saving, then none of the selected items are saved. All items remain claimed and in edit mode.
F-006638	Data in any grid cell (main search, modal search, relationship, or tree grid view) can be copied to the operating system clipboard by selecting the cell and pressing Ctrl+C.
F-004661	Users can now log in to the Nash utility using the same authentication method configured for the Aras Innovator client.

Issue #	Fixed Description
F-005997	The new user preference setting "Set Tabs as Login View" will remember the current set of tabs, and automatically open them when the user logs in again.
I-048489	Fixed an issue in which saving the Workflow Map item did not save dependent related items being changed in relationship grids.
I-048682	Memory cleanup was added to the Configurator Services API, to avoid a memory leak which occurred when processing a large volume of data
I-043578	The order of execution was altered for Conversion Tasks. Previously, the order of execution would process the newest pending Conversion Tasks first. Now, the order of execution will process the oldest pending Conversion Tasks first. This order is not absolute because some parallelism exists depending on batch and queue sizes defined in the Conversion Server setup.
F-006099, I-040903, I-043058, I-047507	Favorite searches saved with a search mode other than "simple" will now restore immediately without presenting a warning dialog. Restoring favorite searches will also always restore the search mode in which the favorite was originally saved.
F-000160	The standard attributes "Tooltip" and "Help Text" of ItemType Properties may be configured to display contextual help information for properties displayed as grid columns and form fields. Setting a value for "Tooltip" will display a "?" icon beside the column/field label. Hovering the cursor will display the tooltip value. Setting a value for "Help Text" will add a "Show More" link inside the tooltip which, when clicked, will display a dialog window for longer text descriptions. Additionally, all grid column headers will display a simple browser tooltip on hover containing the column label so truncated labels can be viewed without needing to expand the column width.
F-005844	The Publishing Dialog allows users to select specific Style Settings, as defined by the Technical Documentation Framework, to provide alternate output styling for each document format.
F-006483	Administrators can override attributes of an inherited Extended Property, including the xProperty's label, default value, and inactive attributes.
I-050079	Users can edit comments when modifying the SecureMessageViewTemplate without errors.
I-050277	Fixed an error that prevented Aras Innovator from connecting to SQL Server Reporting Services via HTTPS.
I-043800, I-050919, I-051160	Structure Browser and Where Used views now enforce access control for MAC and DAC Policies.
F-004801	This feature provides the ability to insert child Graphics, Item properties, and other text-based Document Elements within a parent text Document Element. Authors can classify selected text within a sentence and/or relate this text directly to a referenced Item property when using this feature.

Issue #	Fixed Description
F-005674	An indicator has been added to alert users of non-current Item versions. This helps to avoid reviewing out-of-date information. A link next to the indicator is provided to open the current Item version in a separate tab.
F-005735	When promoting an item that is in a "not lockable" state users will receive an error message that is clear and readable without the item ID or the term "lockable".
F-005755	When saving an Item from an Item View, a spinning wheel appears until the action is complete. This alerts users that the system is processing the action.
F-005769	Modal search dialogs opened for item properties in both Simple and Advanced search modes allow the user to select multiple items and return them as pipe delimited search criteria.
F-005776	The Simulation Viewer has been updated to VCollabWeb 22.2 to support the latest web viewer features and versions of the WCAX format.
F-006298	In all standard grids, sorting a column that uses a List data source sort rows based on the Label of the data, not the Value of the data. This fix only applies to client-side sorting (the "sort across pages" preference should be disabled).
F-006888	Dashboard administrators can create Widget Templates with a default Favorite Search.
F-006889	Dashboard administrators can use autocomplete or a search dialog to select an item as the default value of a Widget Template property.
F-007235	Multiple fixes were incorporated to improve support for assistive technologies (such as screen readers) by adding markup to communicate information about various UI elements. Fixes include adding role="tab" to li elements in tabs components, role="tablist" to tabs components, role="grid" to grids, adding aria-label attributes for simple search cells, and aria-label attributes to maximize buttons in item view accordions.
I-050092	Fixed a memory issue that occurred with searches containing extended properties that return many records (10,000+).
I-052115	Fixed an issue with JavaScript files not locating folder names with spaces.
I-053168	Fixed an issue where an error message incorrectly appeared if a user executed the Edit command and then the Done Editing command immediately thereafter on an Item in a grid.

## 2.2 Known Issues in Aras Innovator Release 2024

### 2.2.1 Platform

Issue #	Description	Workaround
F-000591	The Relationship and Paging toolbars should be removed from the Query Definition parameters dialog box. The custom toolbar can either be retained as is or updated to the new UI.	

Issue #	Description	Workaround
F-000592	The Relationship and Paging toolbars should be removed from the Tree Grid View Map parameters dialog box. The checkmark and X buttons should be replaced with the standard UI OK and Cancel buttons.	
F-001881	Exporting a Tree Grid View definition does not result in the export of custom CUI components that have been associated with the Tree Grid View definition (or relationships associated with it).	The CUI components will need to be exported separately. The user will need to export Command Bar Item, Command Bar section, Presentation Configuration and ItemPresentationConfiguration items associated with the custom CUI components that have been added.
I-001831	When uninstalling Aras Innovator, the system can indicate that a file cannot be deleted because another program is still using it.	In IIS, cycle the OAuth App pool (stop the service and then restart it). Once this process is complete, the uninstall will finish successfully without any further error messages.
I-002519	Windows authentication may display a “You are disconnected” error if the server MemoryCache removes HttpServerConnection from the cache.	
I-003734	Multilanguage translations are missing from Effectivity Services.	
I-007920	Query Definitions that include query items such as CAD[Exists(Native File)] in conjunction with a Dynamic 3D Viewer Query Definition result in slower processing times.	
I-009836	Checkboxes in the Extended Classification relationship grid are the wrong size. They should be 16x16.	
I-010552	Using Chrome with the NonVisual Desktop Access application may cause the browser to close after the dialog window appears.	Update to the latest version of Chrome or do not use the NonVisual Desktop Access application in combination with the older version of Chrome.
I-010576	Cells in some specialized relationship grids may not display correctly after zooming.	
I-010655	Quickly clicking the “New Part” button on the relationship toolbar may result in the same sequence number being used for multiple rows in the list when using Edge.	Do not click too fast in Edge or use a different browser.

Issue #	Description	Workaround
I-010951	Workflow process may result in SQL Deadlocks, if <200 Workflow Related items and users trigger workflows in parallel. An OnAfterAddActivityAssignment server-side method executing GetItem/AddItem against "Activity Assignment", "Activity Variable", etc. ItemTypes can cause SQL Selects and Inserts in one transaction that may cause SQL Deadlocks.	
I-011102	Type Ahead may fail for unsaved changes to Keyed Name in Item cell.	Item properties can be edited after the last save.
I-011278	When using Export to Word/Excel, the background color in relationship properties cells is not exported along with the data.	
I-012619	Including 0s in the decimal part of an Unsigned Big Integer number is not truncated after changing focus, which makes the value invalid.	
I-012655	Using spaces in an Unsigned Big Integer cell property does not trigger an error message.	After focusing out all the spaces are truncated in Unsigned Big Integer property.
I-012681	Subtitle of a Technical Document cannot be edited if selected directly in the Structure Tree.	Edit the Subtitle in the Editor instead of the Structure Tree.
I-012933	The Relationship grid does not automatically scroll down to a new row after it has been added.	Scroll to the bottom of the grid if the newly added rows are not visible in the Relationship container.
I-013120	When using Export to PDF from an item, radio buttons are not exported correctly in the document.	
I-013368	Vote list dropdown contains no items in Activity Completion form, if Activity is opened using Ctrl+Enter shortcut.	If User opens this Activity by double-click or click on "Complete Task", the form is displayed correctly.
I-013468	Certain HTML report tabs (such as ItemType Definition Report) do not work with Tear Off Tab function.	
I-013576	After adding items in a relationship tab of an item, when the user scrolls to the top items in the tab, the scrolling can freeze	Scroll to the top of the overall item view, which activates the relationship grid scrolling.
I-013898	Properties that are disabled on a Form can be edited when mapped into a TDF document.	
I-013995	Undo/Redo within the TDF editor does not work for content modified in Mapped Document Elements	Modified content must be changed back manually when edited in the Technical Document Editor.
I-014045	If user loses access to an item they are editing when they do a save, the update cannot be saved and a "No items of type {itemtype} found" error is returned by the server.	No workaround. User must get access after a change if the change is to be saved.

Issue #	Description	Workaround
I-014055	Part save can fail with an "Exception in Goal Basis refresh" error if user does not have needed permissions	No workaround. If goals are not being used, the Part form may be modified to eliminate the Form Event calling the Show Goal Basis method.
I-015194	If Append Results is enabled, there may be inconsistent behavior with paging commands.	
I-015585	When the browser window zoom is set, for example to 90% (in zoom out direction) in Edge, the relationship grid cannot be scrolled up after scrolling all grid down.	Use a different browser, "zoom in" browser window to 100%, or locate the 1st row using the "Up Arrow" on your keyboard.
I-018002	Query Builder Editor becomes unusable if a Query Item which is referenced by another Query Item using either a count, min, or max condition is removed, and the Query Definition is then saved.	Remove the references from any Query Item. Then the target Query Item can be removed, and the Query Definition saved.
I-019172	If ItemType is set with Default Structure View = Tabs Min, items are opened with the second accordion section minimized, but then after opening it the accordion height is too small.	Reduce screen height, and the accordion height will be corrected.
I-019494	Incorrect access controls based on Boolean properties/xProperties where value = NULL. NULL values are incorrectly treated as 0.	Do not use logic for NULL in the Boolean properties of access controls. Use a defined Boolean value or 1/0. The target value should have a default of 0.
I-019902	If the method referenced by an Environment Attribute returns a different data type than the one originally called out, an error is returned on the save of the Environment Attribute and it cannot be used.	Log in as Administrator and delete the Environment Attribute.
I-020725	User Login will succeed, but the user will be unable to perform any actions if a JavaScript method was assigned to a server event by mistake.	Disable the incorrectly assigned method directly in the database.
I-020825	When a Query definition is configured to reuse a root Query Item in both a Parent and a Child Query Item, the result is endless recursion when executing the Query Action.	Do not include referenced and related ItemTypes in a Query Definition when the relationship between those ItemTypes is reused.
I-021333	Incorrect structure is shown in "Where Used" when viewed as the superuser.	View the "Where Used" structure as a member of the administrator group.
I-021734	In the Technical Document Editor, if the entire text of the Subtitle is selected and deleted, the text reappears after saving.	Place the cursor in the field and remove the text by backspacing or deleting the characters one at a time.
I-021884	It is possible to add query parameters to an unclaimed Query Definition item which results in the 'Unsaved Changes' dialog appearing and an error being triggered if an attempt is made to Save.	



Issue #	Description	Workaround
I-022388	Creating a command bar section where the location is "TGV Toolbar" and the Classification=Method and Builder Method results in the method not executing and an error message being displayed.	
I-023064	ItemType forms may display no fields when using Firefox in an https environment with the server and Client OS set to German.	Use a different browser, different language or non-https connections.
I-023336	MAC Policy appears to be editable but remains in a read-only state if the 'New Version' action is used on a currently displayed read-only policy.	Close and reopen the MAC Policy Form.
I-024473	Multi-select from search dialog using shift-click to select multiple items returns the selection in reverse order.	Select items using control key with click instead of shift-click.
I-024530	After editing a related item in a relationship tab of a source item, and clicking "Done Editing", the source item is incorrectly removed from any main search grid where it appears.	
I-024701	Context menu in Tree Grid View (with View, Grow, Trim, View Effectivity) is shown for 'Show More' line but an error is displayed if there is an attempt to use it.	
I-026236, I-026729	Activating more than one MAC Policy using the same xClasses and xProperties fails with an "Error during generate secured functions." message when the second MAC policy is saved/activated.	Create only one MAC policy and combine conditions using the AND operand.
I-026681	Activating a MAC policy with a Collection.Contains expression comparing to a constant fails with an error message - "Error during generate secured functions." e.g., condition= Collection.Contains(CurrentItem.[Derived attribute of List Data type], 'constant').	Redefine MAC policy to compare with a property value, not a constant.
I-030661	The text entries in the dropdown for the Claim column in search grids ("Claimed by me", etc.) are not localized.	
I-031486	Search criteria are lost when switching from Simple to Advanced search mode if using numeric properties with wildcards.	
I-032724	xProperties values are not shown in Search results when using a saved custom grid layout if the Default layout (as set in preferences) does not include these xProperties.	Add the desired xProperties to the Default Layout.



Issue #	Description	Workaround
I-033418	Users must type a space character after any @mention reference in collaboration messages or else further @mention references in the same message may be ignored.	
I-034296	If an item form of a relationship item is opened from a relationship tab, it cannot be closed if pending changes exist in the relationship tab.	Exit and re-start Aras Innovator.
I-036082	User preferences, such as grid column width, are not saved if they were made for an item in edit mode, then the item is not saved, and after that the browser window is closed.	
I-038294	On a slow connection, if the focus is set at the Language field in the TOC Editor, the Language search grid is not loaded by clicking the button.	Re-open Language search grid one more time.
I-043661	Refresh button on the Widget doesn't update data for dynamic properties for User in another session.	If User re-opens Dashboard tab in their session, the data will be updated.
I-044991	If the admin user does not have "update" permissions for an ItemType, they cannot add that ItemType to the TOC using the TOC Editor	Give the admin user "update" permissions for the ItemType, or login as root user to make the change.
I-045503	Sort Across Pages does not work in Grid widgets.	
I-047530	Customers who created Widget Template Items in Aras Innovator Release 20 may encounter a permission error when performing a self-service upgrade to Release 21 or later.	Please contact Aras Support if you encounter this issue.
I-047972	Edit button is disabled on an item's toolbar after "Create new revision" is executed from a search grid, and the item is opened.	Click Refresh button.
I-048091	Simple search criteria containing the range operator '...' are not properly converted to Advanced search criteria when switching modes.	
I-048094	Simple search criteria containing the pipe operator ' ', when used with numeric and date values, are not properly converted to Advanced search criteria when switching modes.	
I-048682	When processing a large volume of data using the Configurator Services API, users may encounter a low memory error from the server.	Increase available physical (RAM) or virtual (paging file) memory.
I-048983	Action can_execute is not called on UpdateTearOff State.	



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I-050054	Form elements and fields may overlap each other in German or Japanese localization.	
I-050057	Vault server cannot resolve host name.	The vault URL computed by Aras Innovator can fail to calculate when based on DNS settings. If you encounter a problem, please contact Aras support.
I-050058	On-line help is incomplete.	Not all new features in Aras Innovator have been documented in the on-line help section of Aras Innovator. Please contact Aras support if you are having difficulty with a new feature.
I-050059	The OnBlur and OnFocus events are not fired for properties of type Boolean when using Firefox on the client. This applies to all radio boxes and checkboxes.	
I-050060	An error that occurs when loading a Reporting Services report in Tabs viewing mode could load error text over the main toolbar.	Close the report and reload the main grid.
I-050061	Tree Grid View does not support the display of all Property Item data types.	The issue relates to the display of Float Cell View Types. Changing the Cell View Type to Decimal addresses the issue.
I-050062	Color List properties can fail to display color on client machines running the MAC OS and using the Chrome browser.	Use Firefox browser.
I-050063	When a File has several File Representations available only the first representation file returned is available to the user in Viewer.	
I-050064	Icons in the table of contents can fail to display. The root cause is the use of an SVG file in the ItemType definition that is not compatible with the size constraints of the TOC images.	The SVG file must be identified and altered to be compatible for rendering.
I-050065	Component onChange event is fired constantly (Chrome) and may hang the browser session.	Use a different browser.
I-050066	Unexpected search results can occur if Boolean or Color data types are used with invalid conditions in the Query Builder.	Use correct static values for Boolean and Color values.
I-050067	Session Timeout while in the relationship grid may cause errors and require a new login.	Close the browser window and login again.
I-050068	ItemTypes that have more than 23 characters cannot be added to an xClassification tree.	Use a name that is less than 23 characters.
I-050069	The Get Value Method currently cannot return a Null value. An incorrect data type error appears.	

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I-050069	The Get Value Method currently cannot return a Null value. An incorrect data type error appears.	
I-050070	Freeze pane does not fully work in RTL languages. Grid layout can become corrupt when using the freeze pane feature.	
I-050071	Users can lose information if they change the "Dynamic Content" Setting in the ItemInfo element of Technical Documents.	This is expected functionality, associated with 'dynamic content'. Technical Document Administrators should take care when reconfiguring a Document Type when existing content may have been created.
I-050072	Cannot create an xProperty for Type item with a datasource file.	
I-050073	Using the same xProperties in different xClasses within an xClassification tree results in an error message. The Item associated with xClassification tree cannot be saved.	
I-050074	xClassification Trees cannot be updated after renaming the polysource ItemType associated with the xClassification tree. This problem can be related to other implicit polysource ItemTypes in Aras Innovator. The user sees the standard error message, but because the error occurs in the database layer due to inconsistencies in the data, it contains low level information about the SQL exception. At the same time, the secured function is too large to fit into the error dialog box.	Trigger the update of the xPropertyContainerItems ItemType by locking it and then clicking Save, Unlock, and Close. The server rebuilds the SQL view, considering the new polysource names.
I-050075	Extended Classification functionality is broken after importing auto-generated relationships using the Import tool.	Export the created package definition: <ol style="list-style-type: none"> <li>1. Select the desired package.</li> <li>2. Select the Don't Remove checkbox for references to Unknown Packages.</li> <li>3. Export selected Import package definition that was exported.</li> <li>4. Select the exported package,</li> <li>5. Import the selected package (if DB is clear, use the Import tool default settings).</li> </ol>
I-050076	A new Tree Grid View Definition (TGVD) containing a mapped element cannot be copied using the 'Save-As' Function.	
I-050077	Focus is lost from the Reply button if the cursor is moved to the middle of the Reply button and the snapshot checkbox is selected.	

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I-050078	If the WebDAVModule is installed on the server, it throws a 405 error when running a DELETE action on an item.	
I-050079	Editing comments is only supported in the default SecureMessageViewTemplate. If this template is modified, editing comments results in an error message.	Use the default SecureMessageViewTemplate for editing comments.
I-050080	In Chrome v67, the Tree View is not displayed in the Editor for a Quality Planning item or for any document created from a content type.	Use an alternate browser or contact Aras Support (support@aras.com) for hotfix availability.
I-050081	An error may occur if saving an item when many xProperties exist (e.g., 2300).	
I-050082	View_restriction_type list is not yet available in gn_GraphViewDefinition ItemType.	
I-050083	The Aras Innovator Server allows setting is_current=0 for non-versionable items through AML.	
I-050084	The order of requests with a ChangeSet in OData is significant. The service will process the requests within a ChangeSet in the order of the requests.	
I-050085	Reference to an item is lost after applying @aras.action=purge in ChangeSet in OData.	
I-050086	Passwords with non-Latin characters are not supported.	
I-050087	When updating a Graph Visualization and a single NVD is specified in a GVD, it is applied to all nodes instead of only the ones that are defined by the query item.	
I-050088	Newline characters are being added in the middle of text content that is cut and pasted from a Word document in the Technical Documentation Framework.	
I-050090	Applications and IOM DLL authentication functionality built with versions prior to Aras Innovator Release 14 will not connect.	Update to Aras Innovator Release 14 or higher.
I-050091	CSS is not applied to Item properties in the main grid.	
I-050092	Potential memory issues with xProperties search returning more than 10,000 results per page.	
I-050093	Cannot create an item with 150 properties of type item.	

Issue #	Description	Workaround
I-050094	The value of an xProperty is not displayed in the grid.	Click Refine Search and check "Select All" checkbox. (When all values are selected, all values are displayed correctly).
I-050096	OAuthServer/AuthenticateService and other OAuth related functions do not proxy SMSESSION cookies.	
I-050097	Status item icons are not rendered when exporting the grid to PDF.	
I-050098	Export to PDF displays Restricted items as blank instead of displaying "Restricted" text.	
I-050099	An error is displayed if the administrator views the History Container ItemType.	Close the error windows. The data is properly displayed.
I-050100	If an ItemType is set as RelationshipType and the RelationshipTypes Tab is open, ItemType fields other than Name and Singular Label in the form will be cleared after updating any field.	Save the ItemType. The fields will display the correct data after saving.
I-050101	Class HttpClientNavigator which was introduced as a public API in Release 20 was removed from public access in Release 21	Use specialized classes WindowsTokenProvider or CertificateTokenProvider instead
I-050102	Cannot change a text property from "not required" to "required."	A workaround has been provided in the Aras Innovator on-line help.
I-050103	The functionality outlined in the Aras Innovator – Login Security document is not certified for use with Aras Innovator.	
I-050104	Integrated Web Services are not certified for use with Aras Innovator. Aras Innovator is still compatible with Web Services. Only the integrated UI for creating and managing web services is not certified.	
I-050105	The standard integration with Microsoft SharePoint is not certified for use with Aras Innovator.	
I-050429	Edits made to a child Part item while the parent Part item is in edit mode will be lost when the parent Part item is saved.	
I-050679	The total search results number on the pagination bar of the main search grid is not updated to the correct value after switching between favorite searches using different search modes.	
I-051141	When a user tries to save an item containing a MultiLingual String property that has more symbols than specified by its Length setting, an unclear error appears.	

Issue #	Description	Workaround
I-052122	Tooltips on properties in Relationship grids may be displayed below the column header when insufficient space is available to read the Tooltip text.	Users can adjust the window to see the Tooltip.
I-054416	Misspelled words are not highlighted when Spellchecking is enabled in a Technical Document using Firefox.	
I-054714	The Link Editor dialog box does not open when clicking Add Link if any portion of the text is stylized within the Technical Document Editor.	This only occurs when the text has more than one style. All text contained within a link should have the same style applied.
I-056635	If the name of a field in the Responsive Form Editor is changed to match the same name as another field, the field will be duplicated.	Discard changes and edit the form again.
I-056694	When modifying a Related Item from a Docked View, the Related Item isn't saved if the parent Item was locked for edit after the related child Item was opened.	When modifying a Related Item in a Docked View, lock the parent Item before the child Item is opened in the side view.
I-056737	When the same related Item is added to multiple relationships on the same source Item, updating the related Item can cause one or more rows of the relationship grid to display as if the related Item was removed (UI issue only — actual data is not affected). This only occurs if the source Item is open at the same time as updates are made to the related Item. The same issue occurs whether updates are made from the relationship grid or the related Item's Item View.	Execute Save/Done on the source item, or logout and login again.
I-056786	If an ItemType has a view with an empty Responsive Form and a view with a Classic Form, the Classic Form will be rendered instead of the empty Responsive Form, even if the Responsive Form's view has a higher display priority.	Remove the empty Responsive Form's view from the ItemType or add some content to the Responsive Form.
I-057113	The checkbox list fields in the Responsive Form Editor do not fully display the values on the editor canvas.	
I-057129	An error appears in the Import Utility while importing an ItemType with a Responsive Form when "Ignore" is specified as a Type for handling conflicts.	Use the "Merge" Type while importing an ItemType with a Responsive Form.
I-057835	The drop-down menus at the bottom of a Responsive Form do not fully display, as they are cropped within the Item view.	
I-058027	If a Responsive Form Item is changed to reference itself, the Item will not be saved, and error messages do not display.	

Issue #	Description	Workaround
I-058065	When uploading images on a Responsive Form, the image display is only 24px in size. Users do not have the ability to adjust the image size.	
I-058219	Responsive Forms included in the Views relationship of an ItemType must be assigned to Default. Other view types are not yet supported for use with Responsive Forms. Additionally, if a Responsive Form is assigned to Default in the Views relationship, Classic Forms using other view types (Add, Edit, etc.) will not function as expected.	
I-058226	The instantiated views of a Form do not immediately update when switching from Classic to Responsive or from Responsive to Classic.	When switching a Form from Classic to Responsive, click Edit then Save/Done. When switching from Responsive to Classic, log out and back in.
I-058271	Horizontal scrolling is not available for Responsive Forms. Although content is responsive (changing size and wrapping lines), some configurations such as setting large Max Width values for columns or turning off column wrapping can cause content to be wider than the available screen width. Users cannot see the overflowed content.	
I-058724	Inactive values may appear in drop-down fields on Responsive Forms.	Use Classic Forms to hide inactive values.
I-058943	If a Dropdown Field is placed on the bottom of an Item View on a Responsive Form, the drop-down list may be hidden since it is expanded lower than the area of the Item View.	After the Form is maximized, the value can be selected. Otherwise, type-ahead can also be used for selection.
I-059733	A newly added, unused property for an ItemType does not appear in Element pane of the Form Designer when the user has already opened the Responsive Form.	Reopen the Form design tab, and the added unused property will appear.
I-058538	Multilingual string values are set only for current locale via dialog in search grid.	
I-060055	Users cannot save a Search Grid layout after using the "Reset Preferences" action. The "Failed to Save Layout." error message appears.	Log out of Aras Innovator and log in.
I-060130	When an administrator clicks "Add Rule" in the Responsive Form Designer and selects multiple Rules from the dialog, the Rules are added to the Form in reverse order instead of the order they were selected.	Add Rules one at a time. Alternatively, drag and drop Rules to reorder the list after adding them to the Form.

Issue #	Description	Workaround
I-061949	The Save, Done, and Delete buttons in the item view toolbar are disabled when a Numeric field on the form has focus and contains a negative value.	Click outside the Numeric field on the form to remove focus.
I-062053	The last row of a relationship grid is not displayed correctly after switching the grid's search mode from Hidden to Simple.	Switch the relationship grid's search mode to AML and then switch back to Simple.
I-062295	When creating or editing a Rule on a Responsive Form, the Condition's Operator property is not cleared after the Function is changed from "Value of Property" to "Member of Identity." This results in the Operator being incorrectly displayed when viewing the Rule in the Responsive Form Designer.	Delete the Rule and create a new Rule.
I-062399	The Parameters tab does not appear when creating a new item with a Responsive Form.	Click the Save button to show the Parameters tab.
I-062483	User can clear values from the Web Service Data Source column in the Properties grid for a Web Service Item.	Select a valid Web Service Data Source from the drop-down list.
I-062563	When a CWS Endpoint contains an ItemType and a List property with the same name, the Properties tab will incorrectly display the List property as an Item property.	Delete the list property that appears incorrectly as an item property. Then, change the alias of the ItemType in the web service and re-add the list property.
I-062591	An empty Web Service Item appears in a CWS Endpoint when a user adds "related_id" to the Properties tab of a null relationship Item.	Delete the related_id property from the null Relationship and then delete the empty Web Service item.
I-062825	The 'Add ItemTypes' button is disabled if the Endpoint item was modified and saved from the source Web Service item.	
I-063718	HTTP requests to a CWS endpoint with a name containing spaces or special characters will fail with a "404 Not Found" error.	Do not use spaces or special characters such as % or + in the name property of a Configurable Web Service.
I-064494	Cannot upload or download files through CWS when using API Key authorization.	Use OAuth authentication or the standard OData REST API for file handling requests.