Aras Innovator 41

Release Notes

Document #: D-008125

Last Modified: 11/11/2026

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1 Upgrading from Previous Releases

Aras provides tools and services related to upgrading to the latest software release as a benefit of the Subscription. Customers should use the following guidelines to determine the path to upgrading to the latest release.

1.1 Upgrading to Aras Innovator 41

Aras provides tools and services related to upgrading to the latest software release as a benefit of the Subscription. Use the following guidelines to determine the correct upgrade path.

Upgrade services are available to subscribers who meet three criteria:

- An active Subscription for Upgrade Services.
- Production deployment of Aras Innovator.
- A currently installed version released no more than 30 months ago.

Note: Customers with an active Subscription running a version of Aras Innovator released more than 30 months ago should submit a new support request via the Aras Subscriber Portal to discuss the available options.

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2 Key Enhancements

2.1 OnFilterSelection Support in the Search Dialog

The `OnFilterSelection` property event, added in Release 40 to filter type-ahead suggestions, now also limits the Items offered in the Search Dialog. The same Method and filter apply when the user opens the Search Dialog from an Item property's lookup button on Responsive and Classic forms, from an editable grid cell, or from the **Add Related Item** action in the relationship toolbar. Type-ahead and the Search Dialog now offer the same set of Items. Properties that already have `OnFilterSelection` configured are filtered in the Search Dialog after upgrade with no further configuration.

The filter is applied in the background. It does not appear as a search criterion, and the user cannot edit or remove it. It combines with whatever criteria the user enters, and users can still switch search modes.

When `OnFilterSelection` is configured on a property, the `OnSearchDialog` and Default Search events on that property stop contributing search criteria in the Search Dialog. Default search values, criteria for hidden or fixed columns, and changes those Methods make to the search query are all ignored. This happens whenever `OnFilterSelection` is configured, even if its Method returns `null`. `OnSearchDialog` still runs and can still disable individual search input cells and redirect the dialog to a different implementation ItemType of a Poly ItemType.

Administrators can also explain to users why the available items are restricted. If the `OnFilterSelection` Method's **Comments** field contains text, the Search Dialog title bar shows an **Allowed Items** indicator. Hovering over or focusing the indicator shows that text as a tooltip. The text appears exactly as written, is limited to the 256 characters the **Comments** field allows, and is not translated. If the **Comments** field is empty, no indicator appears.

The full `OnFilterSelection` reference, including the filter syntax, is in the JavaScript API Reference: go to **Admin** > **API Reference (JavaScript)** from the user menu.

2.2 Search the Table of Contents

You can now find entries in the Contents panel by typing rather than scrolling. A search field at the top of the panel filters as you type, showing only matching entries (ItemType searches, custom pages, single items, and form entries) as a flat, alphabetically sorted list. Section headings are excluded from results.

Matching is case-insensitive and diacritic-insensitive.

For Japanese input via IME, filtering activates when the composition is committed rather than on each keystroke; hiragana and katakana are treated as equivalent for matching.

All standard interactions remain available from search results, including the right-click context menu and navigation to the secondary panel. The search field persists if the panel is collapsed and reopened or if you navigate away and return. Press **Escape** or click × to clear the field and restore the full tree.

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2.3 Improved Search on Multi-Value List Properties

Searching for several values on a multi-value list property now returns items that carry any of them (OR logic) by default. Items containing additional values beyond the criteria values are also found. Previously, search only returned items with exactly and only the selected values. The new defaults match what most users expect from a filter. The old exact-match behavior is still available when you need it.

You can also type search expressions directly into the Simple Search cell. This adds AND/OR combinations, exclusions and wildcards that the checkbox list alone cannot express.

2.3.1 What Changed

	Before	Now
Multiple selected values	AND only: items must include all of them	OR by default: items with any of them (AND is still available)
Extra values on the item	Item excluded: the match had to be exact	Item included by default; turn on **Only these values** for an exact match
Typing in the criterion cell	Not possible; the cell showed “N options selected”	Type expressions directly; the cell shows the expression itself, such as `RoHS|REACH`
Operators	None	`|` (OR), `,` (AND), `!` (NOT), `*` and `%` (wildcards), `=` (exact match)

2.3.2 Common Searches

These examples use a `Certifications` property on Part.

To find parts that...	In the checkbox list	Or type
Carry RoHS or REACH, or both	Check RoHS and REACH (OR is the default)	`RoHS|REACH`
Carry both RoHS and REACH, plus any others	Switch to AND, check both	`RoHS,REACH`

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To find parts that...	In the checkbox list	Or type
Carry exactly RoHS and REACH and nothing else	AND, check both, turn on **Only these values**	`=RoHS,REACH`
Do not carry RoHS	Typing only	`!RoHS`
Carry RoHS and REACH, or carry UL	Typing only	`RoHS,REACH|UL`
Carry any ISO certification	Typing only	`ISO*`

AND binds tighter than OR, so `RoHS,REACH|UL` means (RoHS and REACH) or UL. Parentheses are not supported. Do not put spaces after delimiters: write `RoHS,REACH`, not `RoHS, REACH`.

2.3.3 Working with the Control

The cell's dropdown holds the AND/OR selector, the value checkboxes, the **Only these values** option, and a **Clear All** button that returns everything to defaults. A filter field at the top shortens long value lists without changing the search. When you type in the cell, an inline suggestion completes a single value; press **Tab** to accept it. Simple Search and Advanced Search behave the same way for multi-value list properties.

2.3.4 Upgrade Note

Existing search favorites carried forward from a previous version continue to return the same results, using AND logic with only the selected values.

2.4 Vault Batch File Download

Client applications that need several files can now retrieve them in a single HTTP request to the Vault Server rather than one request per file. Send a `POST` request to the `BatchGetFiles` action with a list of file IDs and receive a multipart response with one part per file, in the order requested. A file that is not found or not accessible fails only its own part without interrupting the rest of the batch. An OData entry point is also available at `POST /odata/vault.BatchGetFiles` for OData-aware clients.

The existing `GetFile` action is otherwise unchanged, except that requests supplying more than one file ID are now explicitly rejected and directed to `BatchGetFiles`. Previously, such requests were silently accepted.

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2.5 Cryptographic Enhancements for FIPS 140 Alignment

Aras Innovator 41 changes the encryption used for authentication between Innovator and OAuth servers from PKCS1-v1.5 to the more secure RSA-OAEP-SHA256. This encryption change is made for compliance with FIPS 140 standards. It affects how authentication works between Innovator services. Innovator logins and passwords for regular users in the database are not affected.

2.6 Notification Link Navigation

Clicking a notification link that points to an item on the same Innovator instance now focuses the main Innovator window and opens the item within it, instead of opening a separate browser tab. Links to external URLs, links to a different instance, and links without a start item parameter are unaffected and continue to open in a new tab.

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3 Fixed Issues in Aras Innovator 41

Issue #	Description
IH-2439, IH-2440, IH-2441, IH-2442, IH-2443	Changing an item's classification and then canceling the change now correctly reverts the classification and associated lifecycle state to the original values.
IH-12865, I-034549, I-040962, I-043281, I-043298, I-054393, I-056329, I-066189	Filter list properties configured with **List No Blank** no longer lose the selected value on save or page refresh.
IH-12862	Quick Search and Main Grid Search now use the same search level attribute consistently.
IH-21150, IH-22784	The Where Used tab now correctly identifies and opens items by their real ItemType when accessed for polymorphic source items.
IH-21830	Grid cells are now editable after being added from the **Refine** button.
IH-22752	Grid cells are now correctly discarded when hidden via the **Refine** button.
IH-23717	Multi-value list search now correctly matches values that contain special characters or spaces.
IH-23732	Export to Word no longer returns an error.
IH-25783	Thumbnails for CAD items now display correctly in the Properties pane of the search grid.

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4 Known Issues in Aras Innovator 41

Issue #	Description
IH-12915	Grid rendering issues may occur after adding a required (*) indicator, including duplicated borders in specific scenarios.
IH-11038	Duplicate entries may appear in the History dialog when editing multilingual string values.
IH-12817	External images may not display correctly for formatted text editor items when viewed from the main grid.
IH-11953	Saved search grid layouts may not be applied correctly after switching layouts for a favorite search.
IH-11584	An empty row may appear in the search grid after closing an item that was previously in edit mode.
IH-10730	Formatted Text, Text, and Image dialogs may not be triggered when interacting with search cells in Relationship grids.
IH-10238	Sort order controls may be missing in xClass grids.
IH-10207	The Start Page may not reappear after executing **Create New Revision** from the Item View and closing the item.
IH-11483	The correct keyed name may not be displayed in the History dialog after updating an item property.
IH-10068	The context menu may freeze and display an error dialog after switching a newly created item to the Done state.

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