



Aras Innovator 12

Release Notes

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Document Conventions

The following table highlights the document conventions used in the document:

Table 1: Document Conventions

Convention	Description
Bold	Emphasizes the names of menu items, dialog boxes, dialog box elements, and commands. Example: Click OK .
Code	Code examples appear in <code>courier</code> font. It may represent text you type or data you read.
Yellow highlight	Code highlighted in yellow draws attention to the code that is being indicated in the content.
Yellow highlight with red text	Red text highlighted in yellow indicates the code parameter that needs to be changed or replaced.
<i>Italics</i>	Reference to other documents.
Note:	Notes contain additional useful information.
Warning	Warnings contain important information. Pay special attention to information highlighted this way.
Successive menu choices	Successive menu choices may appear with a greater than sign (-->) between the items that you select consecutively. Example: Navigate to File --> Save --> OK .

1 Release History

Version	Date	Comments
12.0	2019-05-15	Initial Release

2 Upgrading from Previous Releases

There are multiple potential states from which a Subscriber may wish to upgrade to Aras Innovator 12.

1. Aras Innovator 11 is running in production, and you wish to upgrade to the Aras Innovator 12 release.
2. You are running a version of Aras Innovator that is previous to release 11.

The following sections will give you guidance as to how to upgrade from any of the described states.

2.1 Upgrading to Aras Innovator 12 from Aras Innovator 11

For customers with an active Premiere Subscription, Upgrade Services are available to migrate your production Aras Innovator 11 (any service pack) version directly to Aras Innovator 12.

Customers with an active Premiere Subscription can request Upgrade Services by contacting Aras Support at support@aras.com. Aras upgrade engineers will evaluate the system to determine if custom code will need any update for compatibility with Aras Innovator 12.

2.2 Upgrading to Aras Innovator 12 from Earlier Releases

Customers with an active Premiere Subscription should contact Aras Support at support@aras.com to discuss the available options.

3 Enhancements, Bug Fixes, and Known Issues

3.1 Version 12.0

3.1.1 Enhancements in Aras Innovator 12.0

Aras Web Client UX (User Experience) Enhancements

The web client has been significantly updated to provide usability improvements that will help every Aras user to get their work done faster. The entire navigation approach has been rethought and updated for maximum productivity, and styling has been updated to be clear and consistent throughout. These changes represent an evolution of the existing web client, not a completely new client, allowing existing client configuration mechanisms to be maintained. The 12.0 release introduces many specific new features listed below, and sets the foundation for further UX improvements to come.

- **Run in browser tab:** The client now operates directly in the current tab of the browser, without opening a separate window.
- **Support for Authentication Framework:** The client has built-in support for the new Aras Authentication Framework, making it easier to define the authentication approach, which is then directly available to users from the login screen. Enforcing OAuth is now available in Aras Innovator. In addition, implicit grants for web clients can be enabled. There is also improved infrastructure for authentication plugins.
- **Navigation Panel:** This new panel provides the main entry point for navigation in the system. It initially contains the Table of Contents (TOC), with more features to come.
- **Improved Table of Contents (TOC):** Both the usability and styling of the TOC have been improved, to clarify how users access their available ItemTypes and HTML pages (Dashboards)
- **Everything as separate tabs:** Searches, Enterprise Searches, and HTML pages (Dashboards) are all now supported as independent tabs, which can all stay active simultaneously. Multiple simultaneous search tabs for the same ItemType are also supported.
- **Updated toolbars:** Access to commands has been consolidated to context-specific toolbars, where the most common commands are clearly highlighted and secondary commands are grouped in convenient dropdown selectors. Each toolbar has a clear title to indicate the contents, and command names and icons have been updated as well. All toolbars can be configured using Configurable User Interface (CUI) modeling.
- **Simplified item editing (Edit not Lock):** Users now click on the **Edit** button to edit an item, and on **Save**, **Done**, or **Discard** after editing. The concept of “locking” still exists at the database level and remains unchanged. Users also have the option to set a Claim on an item (which locks the item) without going into edit mode.

- **Item accordion view:** The main view of items has been updated to use accordions, providing a more modern and convenient way to scroll through item information. Tabs can be selected within each accordion as a second level. Standard Aras forms have been simplified to remove the redundant “Item Info” section on the left.
- **New Favorites approach:** A simple, consistent approach for Favorites is introduced in this release, starting with Search Favorites. Formerly known as Saved Searches, they can be easily saved by clicking the star icon on the toolbar. The Favorites concept is planned to be extended to Items and other content in subsequent releases.

Enterprise Search Enhancements

- **Improved data model:** The administrative data model has been updated to make it easier to handle settings and administration. Changes include updates to Indexed Configuration Type, Indexed Type, Indexed Property and Indexed Files. These changes allow Aras to add future enhancements to Enterprise Search. Changes also include updates to improve visibility into Crawler activity and Component Health.
- **Search UX Enhancements:** Several enhancements and styling updates have been made to the Enterprise Search UX:
 - **New Apply and Clear All Buttons:** Users can now select multiple filter values from the same or different filters and click on the Apply button to execute the search with the selected filters. All selected filters can be cleared by using the Clear All button. Selecting individual filter values by checking the checkboxes within filters will no longer run the search immediately.
 - **Syntax Help Button:** This button provides help on the search syntax and operators that can be used in Enterprise Search. For example, AND, OR, “” (Phrase Search) are some of the operators that can be used. Note that this only applies for Enterprise Search and not the regular search on items.
 - **Search for Filters:** Users can now search for Filter titles (not values) by typing in the text field. This is particularly useful if there is a large number of filters.
 - **Show All and Sorting Filter Values:** Users can narrow down filter values by selecting the Show All button that then allows filtering, and sorting values within that filter.
- **Run Enterprise Search in separate tabs:** The End User Search UI has been improved to be able to run Enterprise Search in separate tabs. A number of small enhancements have been made that allow it to be clearer and more efficient. A number of data model features have also been added to enable enhancements in future service packs.

PE Solutions Enhancements

The following improvements have been made to PE Solutions:

- Reports are updated to use Query Definitions (QD) and server methods for retrieving and preparing the data to display on the report. Stylesheets are used only for formatting the display.
- The following reports have been updated:
 - Multilevel BOM Report

- BOM Quantity Rollup Report
- BOM Costing Report
- Report styling has been improved. A print button is available on reports. The print button uses the standard browser print function. Depending on the browser, various print choices, such as printing to printer or saving to PDF, are available. The following reports have been updated:
 - Multilevel BOM Report
 - BOM Quantity Rollup Report
 - BOM Costing Report
 - Approved Vendors Report
 - ECN Report
 - ECR Report
 - ECR Log Report
 - PR Report
 - PR Log Report
 - PE_SearchPartCircularReferences

Effectivity Services

The following enhancements have been added:

- The Aras Part BOM scope item contains effectivity variables and uses the builder method included in the out of the box solution.
- The `effs_ScopeObjectBuilderMethod` works with effectivity variables that are created using the standard data model.
- The following effectivity variables have been added:
 - Unit of type Unit
 - Date of type Date
- Effectivity Services now supports variables of type Item. Item has been added to the `effs_variableDatatype` list. Item processing is supported in the builder method which also builds an associated valid cache dependency.
- Effectivity Services supports the `effs_model`. The property name type is multilingual. If users add a variable with the name Model and type Item, they can link the Model variable to the `effs_model` ItemType. `Effs_model` is available in the TOC near Effectivity scope.

Query Builder

Min/Max aggregate functions have been added for Conditional logic in a Where Clause.

Tree Grid View

List and Boolean data types have been added along with precision support for floating point data types.

Visual Collaboration

Support has been added for SolidWorks Configurations, which allow users to choose from a list of stored configurations using imported SolidWorks CAD assemblies using the 3D Viewer. 3D measurement endpoint selection to snap to endpoints on 3D line segments is also improved.

3.1.2 Issues Fixed in Aras Innovator 12.0

Table 1: Framework

Issue #	Description
013551, 014208, 054008, 054009, 061683	The BOM Grid display has been updated to use Tree Grid View and respect Discover permissions for child parts.
023329, 046403, 050348	Corrected an issue which could cause the Related Parts tab in Manufacturer Part or the Manufacturer Parts tab to show as blank.
033354	Fixed the Activity Assignment Context Menu cache, locked_by, which could get out of sync if a second user locked the controlled item at the same time.
031228	Insert hidden column now correctly respects the current mouse position.
034699	Tasks of Express ECO workflow are now changed.
034736	onFocus events work correctly for textarea fields.
034870	Printable View works in FireFox with a visual collaboration document open.
041511, 075557	The Create New Revision action keeps the old document revision open.
042767	Updated minimum requirements to .NET Framework 4.7.2
045218	PE: Multiselect doesn't work in Express ECO Impact Matrix.
046216	View Gantt Chart is now disabled for Workflow items in InBasket.
046544	Tech Docs Framework now enforces 1-1 Classification/Doc Element mapping.
048751	When running the PE_AddItemsToChange action on two parts in a BOM, the dialog to select the Change Management document is now correctly displayed only once

Issue #	Description
049141	An issue was resolved in which an Express ECO was unable to be printed.
051022	Server-side methods now support C# 6.0 or higher.
051758	Changed PLM/FileSelectorTemplate for CAD items.
052140	System responds correctly when adding a BOM into the Impact matrix.
052600	Removed empty relationships after special transformations.
052967	Updated code to allow better display of a large number of parts in a Multi-level BOM in IE.
053625	Addressed issue in which a multilevel BOM reported incorrect quantities.
054336	Tab name is now updated on save if the keyed_name includes an item.
054522	Search UI enhanced.
055580	EDRs tab becomes the first one if ECO Item is in a Work state.
055969, 056199, 056200	Created a database index in some tables which addresses potential issues including possible deadlock reports.
055711	There is now a SOAP wrapper for MPO methods.
055805	Document Revision plus button works correctly.
055969, 056199, 056200	Created a DB index in some tables which addresses potential issues including possible deadlock reports.
056648	Client Modeling extensions have been added.
058252	Updated the backend of Tree Grid View to set a flat Output Format Flag.
058602, 058604	In Effectivity Services the operations >= and <= have been updated to work with or without spaces between the variable and the operator.
059951	Client UX improvements applied.
060046	Deadlock on Simultaneous Save of ECO was corrected.
061683	Fixed issue in which Restricted Part were visible in BOM structure.
061823	Addressed situation in which it was possible to create a null member that would result in corruption of Aras Innovator data.

Issue #	Description
062171	Support for adding multiple items to impact matrix grid.
062526	HTML tags now display in custom error messages.
063590	Fixed issue where users are unable to apply search when clicking on Logout without Saving.
063591	Distributed Access Control permissions are not propagated if the item defined in the Subdomain has no LifeCycle Map.
063814	Deadlocks on uploading files attached to an item.
063879	Distributed Access Control permissions are only propagated to an item when it is in a Life Cycle State that is part of the Item's ItemType Life Cycle Map when the DAC definition was activated.
064325	Check support in-by attributes for action get for UBigInt/GLobaIVer.
064686	If the user discards edits to the definition property on the Effectivity Expression form, the property value doesn't get refreshed in the UI with the value from the database.
064728	The root_type property is now required in the ES_IndexedConfiguration ItemType.
064729	The crawler_agent property is now required in the ES_Crawler ItemType. Customers can have instances of ES_Crawler where crawler_agent is null.
064795, 063481, 061572, 062214, 063481	Corrected several JP language reports.
065336	Added scope to effectivity services.
065337	Added builder method to effectivity services.
065432	Added variables to effectivity services.
065440	The name property is now required in ES_IndexedConfiguration.
065784	Added action to show Effectivity Management UI.
065785	Added support Variable type Item in effectivity services.
065787	Added Model Variable-type item in effectivity services.

Issue #	Description
069608	"Errors" checkbox no longer remains checked in Disabled State.
069635	Default Value correctly set to exist for item for UBigInt.
069688	Query Definitions and server-side code for data was added to PE reports.
072208	Added "User Visibility Policy."
072362	After a derived relationship is added in DAC, users other than "Super User" will not be able to create a new Language item.
072645	Display of Boolean properties was corrected in Tree Grid View.
072818	Fixed an issue with invalid XML characters in Model Browser Nodes.
072874	Implemented Max/Min options in Query Builder.
072934, 072953	Fixed an issue in which additional/extra data EDR tabs could be created when Locking/Unlocking an item.
073494	Addressed error: Column argument cannot be null.
073545	An issue was corrected in which OAuthServer.sqlite could not be created, when the OAuth Server was installed by default path and Aras Innovator Server was installed to any other folder.
074929	Added support for C# 7.3 in Server Method.
075175	Corrected an issue where condition editor output was not consistent with the intended statement in the MAC Policy editor.
075637	Added support of the Default Structure Resolution to Query Builder and Tree Grid View.
075717	Error corrected when using Nash with Windows Authenticated Environments.
077585	Implemented Aras Innovator Variable for Max Levels limit in Query Builder.
F-000001	Searches are now applied as separate tabs, allowing multiple searches to be active at once.
F-000002	Removed Window Mode.
F-000005	Aras Innovator allows multiple dashboards to be active at once.

Issue #	Description
F-000010	Improved the navigation Panel such that Aras Innovator will support common item operations in a single panel with clear operation.
F-000016	Aras Innovator now allows the client to be run in a browser tab.
F-000021	Enterprise Searches are applied as separate tabs, allowing multiple enterprise searches to be active at once.
F-000025	Provided an improved display of item properties, related items, and other item-specific information.
F-000056	Implemented updated and improved the Header Commands set.
F-000057	Implemented a new Notification system.
F-000081	Added Nav Panel Styling in the new layout.
F-000130	Updated the TOC to the new styling.
F-000131	Implemented actions on leaf entries (ItemTypes) in the TOC.
F-000132	Added the secondary menu within the TOC, which is shown when clicking directly on the ItemType entry.
F-000137	Removed obsolete entries from the TOC.
F-000142	Applied new Search Grid styling.
F-000152	Redesigned Progress Indicator styling.
F-000153	Designed Toast Notification styling.
F-000154	Updated all SVG icons.
F-000201	Moved Viewer menu commands to viewer toolbars.
F-000227	Applied style updates to the main tab.
F-000276	Structure resolution by effectivity criteria has been incorporated into Part's "BOM Structure" tab.
F-000228	Main search grid Preview is now set to Off by default.
F-000229	Changes InBasket Task ItemType to use the new default search toolbar.

Issue #	Description
F-000274	Added End-user Search enhancements to the User Interface.
F-000276	Structure resolution by effectivity criteria has been incorporated into Part's BOM Structure tab.
F-000283, F-000281	Improved security for Enterprise Search installations and running.
F-000289	Effectivity in PE UI is displayed by default.
F-000292	Added a default string notation for effectivity on Part BOM. When viewing the BOM from the BOM Structure tabs, human-readable effectivity information is now displayed.
F-000296	Added the ability to view the effectivities set on the BOM structure in the multilevel "BOM Structure" tab. In addition to the "Effectivity" column, RMB->View Effectivities will display a list of all effectivities that are set on the selected BOM row.
F-000306	Reduced the generation of baseline data for metadata.

3.1.3 Known Issues in Aras Innovator 12.0

Issue #	Description	Workaround
006830	Cannot change a text property from "not required" to "required."	A workaround has been provided in the Aras Innovator on-line help.
007281	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.
011985	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.
021945	Baseline versioning on Part BOM is not compatible with the Impact Matrix.	

Issue #	Description	Workaround
021946	Baseline versioning on Part BOM is not compatible with a multi-level BOM structure relationship.	
023511	The OnBlur and OnFocus events are not fired for properties of type Boolean when using FireFox on the client. This applies for all radio boxes and checkboxes.	
023879	The functionality outlined in the Aras Innovator – Login Security document is not certified for use with Aras Innovator.	
024441	Remote/Client servers are not certified for use with Aras Innovator.	
024442	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.	
033559	The standard integration with Microsoft SharePoint is not certified for use with Aras Innovator.	
038295	Self-Service Reports created in Aras Innovator 11.0 SP3 will not execute after upgrade.	Existing reports will cause a warning when trying to access the reports. Subscribers can contact Aras support (support@aras.com) for a review of the virtual machine configuration.
040677	HWF files can fail to show in Visual Collaboration on some virtual machine setups in FireFox.	Use alternate browser or contact Aras support (support@aras.com) for a review of the virtual machine configuration.
041312	TIFF and BMP file types are supported by the new Advanced Image Viewer, but the File Selectors for standard Aras Innovator ItemTypes like Document and CAD Document do not include these file types in this release.	The FileSelectors must be updated manually in order to view TIFF and BMP formats.
043668	The Content modeling framework can fail to show the editor in Chrome browser.	Use Internet Explorer or FireFox browser.

Issue #	Description	Workaround
046252	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.
048590	Tree Grid View does not support the display of all Property Item data types.	
052434	When using the Edge browser, positioning of Fields of type Item or Dropbox on a Form cannot be changed by click and drag in the Form editor.	Designers can either use an alternate browser when editing Forms or key in the x and y positioning of the fields.
052611	Foreign Properties that have a reference to a Property of type Item with a data source of File will not render the "Manage File" icon on the Form field.	
052666	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.	
052753	Color List properties can fail to display color on client machines running the MAC OS and using the Chrome browser.	Use Firefox browser.
052912	When a File has several File Representations available only the first representation file returned is available to the user in Viewer.	
052958	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.
053303	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.	
053368	Icons are not visible for selecting for ItemType (Edge Only).	
053864	Unexpected search results can occur if Boolean or Color data types are used with invalid conditions in the Query Builder.	

Issue #	Description	Workaround
054489	Inconsistent display of “related options” dropdown in the relationship grid.	
054514	Action.can_execute is not called on UpdateTearOff State.	
054883	Session Timeout while in the relationship grid may cause errors and require a new login.	Close browser window and login again.
055070	ItemTypes that have more than 23 characters cannot be added to an xClassification tree.	Use a name that is less than 23 characters.
055109	System.DateTime.UtcNow is inconsistently matched to SQL.GETUTCDATE.	Use the .net System/DateTime.utcnow (not SQL GETUTCDATE()) in custom code solutions.
055174	“is defined”/“is not defined” conditions are not supported in Query Builder for xProperties.	
055587	Freeze pane not fully working in RTL languages. Grid layout can become corrupt when using freeze pane feature.	
056000	Upgrade from SP11 to SP12 requires a manual SQL script to be run.	Run the SQL script in conjunction with the Upgrade.
056080	OAuth is installed with default settings and no option to change if “complete install” is selected during installation.	After Aras Innovator installation, re-run the installer and choose to install only the OAuth server or manually change the OAuth configuration after installation.
056154	The Get Value Method currently cannot return a Null value. An incorrect data type error appears.	
056158	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.	
056310	Users can lose information if they change the “Dynamic Content” Setting in the ItemInfo element of Technical Documents.	

Issue #	Description	Workaround
056625	Exporting a TGV definition does not result in the export of custom CUI components that have been associated with the TGVD (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.
056725	Export to Word/Excel returns an error for a large number of Parts when using Edge.	Use an alternate browser.
056836	CSS is not applied to Item properties in the main grid.	
057648	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.
057701	Cannot create an xProperty for Type item with a datasource file.	
057724	It is possible to rename an xProperty being used in an active MAC policy. An un-descriptive error message is displayed.	
057911	The incorrect password warning may display an incorrect message if using a login name in a non-Latin character/language set.	Usernames should use alphanumeric characters.
058103	If a secure message containing a video is added using Nash without a <comment> tag, the message does not appear in the Discussion panel. Previously created secure messages will disappear and a script error will occur.	If using Nash to add a secure message with a video, it must include a <comment></comment> tag set with a non-null value.
058445	If the OnGet event is overridden for an ItemType referred to by a Query Item that also uses the Count() condition, then the execution of the OnGetEventArgs.BaseGetItem() method within the custom 'OnGet' method returns all the items associated with the ItemType from the database regardless of the Root Query Item restrictions.	

Issue #	Description	Workaround
059002	Adding files through File Handling returns an error.	
059094	Using the same xProperties in different xClasses within an xClassification tree results in an error message. The Item associated with the xClassification tree cannot be saved.	
059181	A new Tree Grid View Definition (TGVD) containing a mapped element cannot currently be saved.	
059451	When using Edge, closing a document in the PDF viewer after moving the Basic Toolbar and opening the view mod dropdown may cause an error.	
059692	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, taking into account the new polysource names.
059772	Multi-language translations are missing from Effectivity Services.	
060246	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.	
060454	If the WebDAVModule is installed on the server, it throws a 405 error when running a DELETE action on an item.	

Issue #	Description	Workaround
060477	Extended Classification functionality is broken after importing autogenerated relationships using the Import tool.	<p>Create the export package without the autogenerated relationship type. Add the following to the package definition:</p> <ul style="list-style-type: none"> · All used ItemTypes except (*_xClass) Relationship ItemTypes. · All used Standard and xProperty Permissions. · All used xProperty Definitions. · All used xClassification Trees. · All used items of used ItemTypes. <p>Export the created package definition:</p> <ol style="list-style-type: none"> 1. Select the desired package. 2. Select the “Don’t Remove” checkbox for “references to Unknown Packages.” 3. Export selected. <p>Import package definition that was exported:</p> <ol style="list-style-type: none"> 1. Select the exported package. 2. Import the selected package (if DB is clear, use the Import tool default settings).
060494	Pressing F2 while in the classification cell of a search dialog displays a blank response window and a javascript error.	
060621	Tabular View is missing in the TOC section “Administration” -> ”Content Modeling.” The Export Tool does not support Polymorphic types.	<p>Select Administration -> ItemTypes. Search for cmf_TabularView and select the TOC Access tab. Add the appropriate identity. Search for the related view (cft_ERP_TableView) in the TOC. Select Tools -> Admin -> Add to Package Definition.</p>
061526	The Effectivity Expression Editor is case-sensitive to Boolean Expression nodes.	Use expected upper or lower-case text for expression nodes.
061681	Editing comments is only supported in the default template SecureMessageViewTemplate. If this template is modified, editing comments results in an error message.	Use the default SecureMessageViewTemplate for editing comments.

Issue #	Description	Workaround
062216	Enterprise Search queries that use wildcard characters (“?”, “*”) can fail to return search results. For example, searching for “Planning” or “Plan” returns results. Using the wildcard query “lanning” does not return any results.	
062451	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.
062575	History.created_on_tick is can be duplicated when changes occur within 10ms	
062877	An error may occur if saving an Item when a large number of xProperties exist (e.g. 2300)	
063022	view_restriction_type list is not yet available in gn_GraphViewDefinition ItemType.	
063170	Symbol • is displayed in empty cells to avoid collapsing of the cell in the technical documentation framework.	This is just cosmetic and will be removed when content is added to the Table cell.
063542	Logout without Saving' from Unsaved Items window doesn't work.	
063591	Distributed Access Control permissions are not propagated if the Item defined in the Subdomain has no Life Cycle Map	
063702	The Aras Innovator Server allows setting is_current=0 for non-versionable item through AML.	Do not include is_current in applied AML.
063762	Browser window crashed when attempting to view an ItemType which has more than 500 properties in the main grid (Firefox only)	Use a different browser.
063814	Deadlocks on uploading Files attached to an item	
064108	The order of requests within a ChangeSet in OData is significant, but it should not be; a service should be able to process the requests within a ChangeSet in any order.	

Issue #	Description	Workaround
064243	Reference to item is lost after applying @aras.action=purge in ChangeSet in OData.	
064402	The is_combined property is not yet available in the current NodeType usage in Graph Navigation.	
064540	Enterprise Search permission crawler doesn't support MAC/DAC features	
064686	If the user discards edits to the definition property on the Effectivity Expression form, the property value doesn't get refreshed in the UI with the value from the database.	Close the form and re-open it.
064829	User Login will succeed, but User will be unable to perform any actions if JavaScript method was assign to a server event by mistake	Method would have to be disabled by direct database edit.
065154	Component onChange event is fired constantly (Chrome) and may hang browser session.	Use a different browser.
065360	When an administrator is promoting multiple DAC Definition items concurrently, SQL deadlocks may be encountered, resulting in promotion failure.	Promote one DAC Definition at a time. It is necessary to wait until each promotion is complete before starting the next one.
065384	MBOM structure is not displayed correctly in Tree Grid View	
065445	Passwords with non-Latin characters are not supported	
065706	The file name used in the URL for a linked document is not correct - missing appended language identifier in the technical documentation framework	
065800	Active 'Pick Plane' is cloned after the selection of any 'CAD View' in the Model Browser 'Views' tab in Visual Collaboration	
069612	Icons disappear from toolbar and TOC if the user starts to log out but cancels the logout due to unsaved items.	Log out and log back in

Issue #	Description	Workaround
069625	English values are shown for ML is_UI props on Japanese localized systems in Enterprise Search.	
069629	Enterprise Search crawlers cannot be directly from dashboard in Japanese localized system.	Go to Administration > Enterprise Search > Crawlers Click RMB on crawler and select needed option.
069664	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.	
069791	Timeout in HttpServerConnection has no effect. (Server) Timeout is always set to "infinite".	
070139	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.	
071948	In simple Query definition, when the join condition of a sub-part are changed, the structure is incorrectly cropped.	
071952	Browser may crash during execution of a large Query structure with based on the number of parameters	
072008	Windows authentication may display a 'You are disconnected' error if server MemoryCache removes HttpServerConnection from cache.	
072298	If Enterprise Search has been configured to use the Super User account, the Settings Preference Form for Enterprise Search will not be available.	Configure Enterprise Search as an admin user other than the Super User.
072362	After a derived relationship is added in DAC, users other than "Super User" will not be able to create a new Language item.	Add language Items before creating a Derived Relationship or, if the Derived relationship has already been created, add a language Item using the root (not admin) user account.

Issue #	Description	Workaround
072506	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 complete successfully without any further error messages.
072692	Columns cannot be sorted manually in Tree Grid View (TGV).	Refer to the "Product Engineering (PE) Enhancements" section for the list of tabs using TGV.
073086	Minimize executing of smoke tests on behalf of admin	
073231	Workflow process has resulted in SQL Deadlocks, if <200 Workflow Related Items	
075507	Some PDF files trigger errors on client and server sides	
075847	It is possible to create a null member that results in corrupted data.	
076993	Text is displayed outside of the error message window in some long exception errors.	
077131	Add to Package Definition is enable when item's form is opened	
077140	<p>Actions and Reports Item Types with Target=Main and Type=Generic can be available from the user menu without opening the Search or Item Grid.</p> <p>Reports: data may not be properly saved if there are any unsaved items and the user runs a Report with no other Search or Items currently open.</p> <p>Actions: although the message "Changes you made may not be saved." is displayed, it may not be clear which tab the message is referring to.</p>	Save the Actions or Reports Item Types before closing the tab.
077226	An error is displayed in the Item's tab when trying to unclaim the Item by using Ctrl+L	
077229	Cannot rename non-leaf node in classification	

Issue #	Description	Workaround
077287	Item cannot be saved if it has tab with a configurable grid that uses the Item/File property cell.	
077333	In IE, when using Query Builder, the Context ItemType list is displayed under the Description field.	Use a browser other than IE.
077386	Form elements overlap each other in German localization	
077582	Replace action for Command Bar Items doesn't work	
077632	Preferred vendors are not included in the Approved Vendors report.	
077659	When creating a new generation of a Part that has a list of Manufacturer Parts, the AML tab under that new Part generation shows all AML states as "Preliminary."	
077953	UPDATE statement may result in a conflict with the FOREIGN KEY constraint	
078074, 078237, 078238	In Visual Collaboration, sharing a Forum may fail and a Forum which is shared for public stays private.	
078100	Method isn't executed if file and identity prop adding to item	
078110	Potential memory leak in part+xpvc	
078137	Cannot create an Item with 150 properties of type Item	
078230	The value of an xProperty is not displayed in the grid	Click on Refine Search and check the "Select All" checkbox. (When all values are selected, all values are displayed correctly.)
078373	Fields on report form overlap each other in Japanese	

Issue #	Description	Workaround
078510	Conversion tasks may be discarded if the instance and agent service installed in different servers with different time zones.	
078535	It is not possible to save a source item if a related item is claimed	
078552	After running Search operation - Favorite Search is not selected as active	
078564	Internal Visual Collaboration Notifications are not sent on cluster server	
078583	Relationship doesn't work if exclusion used	
078628	Fields on property form overlap each other on German	
078629	In Visual Collaboration, the Calendar may not be visible in the Discussion panel for Searching	
078630	Fields in User Item Type overlap each other on German	
078645	OAuthServer/AuthenticateService and other OAuth related functions do not proxy SMSESSION cookies	
078659	Instance error may occur when saving Item with attachment	
078694	User can delete saved search when a favorite search is shared to him	
059815, 059902	Type-ahead does not work in Simple Search in relationship grids or for search criteria of type Item or Class.	
063879, 064225	Distributed Access Control permissions are only propagated to an Item when it is in a Life Cycle State that is part of the Item's ItemType Life Cycle Map when the DAC Definition was activated.	Deactivate and then re-activate the DAC Definition. The new Life Cycle Map will then be used for access calculations.

Issue #	Description	Workaround
073144, 073145	An error may occur while installing the ES Agent when the Essential Subscription has already been activated and the ES Component has not been installed.	
I-001137, 078076	It is not currently possible to Add Saved Searches to Forums.	
I-003044	ItemType actions are not available without creating an item.	
I-003564	Aras Innovator is broken when Report/Action opens with target=main.	
I-005532	Action with Can Execute method that returns "False" or "NULL" are not shown as disabled for users from user menu	
I-005663	'Prev' button in xClassTree search doesn't change the searched point.	