

## Enhancements in Version 12.0 SP2

### Query Builder

- **Support for Structure Resolution:** Query Definitions now have the ability to apply the following Structure Resolution modes:
  - **Default (as Saved):** the version of the related item as stored on the relationship. This is the standard resolution.
  - **Latest:** the latest version of the related item is used in the resolution.
  - **Latest Released:** the latest released version of the related item is used in the resolution.
  - **Latest Released or Latest:** the latest released version of the related item is used in the resolution. If there are no released versions of the related item, the latest version is used.

They enable users to identify specific versions of a related item. Users can expose these options in Tree Grid Views for structures such as Part and CAD structures.

### Part BOM Resolution Modes

- The Structure Resolution Modes described in the previous section dynamically resolve a multi-level Part BOM structure using item versions as specified in the resolution modes.

The Part BOM structure recursively resolves from the top down based according to the resolution mode. Users can select the appropriate resolution mode using the **Modify Parameters** menu option in the BOM Structure tab. Users can also resolve part BOM structures by specifying a resolution mode and effectivity criteria.

### Visual Collaboration

- **3D Dynamic View:** The 3D Viewer now includes the ability to visualize 3D assembly components based only on configured Query Definitions. Dynamic Assemblies (sometimes referred to as 'Shattered') are constructed on the fly using the conditional logic contained in the associated Query Definition. Used together with the new embedded Tree Grid View, the Dynamic Viewer enables users to use 3D Visualization as a navigation tool to identify and view related PLM Business Objects.

### Favorites

- Users can designate individual items as favorites by clicking the star icon in an item's title bar. Favorite items appear in the Quick Access area of the Navigation panel for the specific ItemType.
- Users can add favorite searches to the Quick Access area of the Navigation panel. Favorite Searches are also found in their default location within the title bar selector. This functionality is similar to the "Pin to TOC" option provided in Aras Innovator 11.0.

### New Tab Functions

- Main tabs now include a context menu that includes the following functions: Close All Tabs, Close Other Tabs, Close Tabs to the Right, Close Tabs to the Left, and Tear off Tab.

### Usability Improvements

- The usability of the modal search dialog has improved. Toolbars are clearer and larger.
- The usability of the multi-lingual input dialog has improved, with clearer buttons and larger data input fields.

## Issues Fixed in Aras Innovator 12.0 SP2

**Table 1:** Framework

Issue #	Description
063591	Distributed Access Control permissions are now correctly propagated if the Item defined in the Subdomain has no Life Cycle Map.
063814	The possibility of deadlocks on uploading Files attached to an item has been addressed
064540	Enterprise Search permission crawler now supports MAC/DAC features
064686	Corrected an issue where, if the user discarded edits to the definition property on the Effectivity Expression form, the property value would not get refreshed in the UI with the value from the database.
065706	The file name used in the URL for a linked document is now correct – there was a missing appended language identifier in the technical documentation framework.
072298	The Settings Preference Form for Enterprise Search will be available if Enterprise Search has been configured to use the Super User account.
072362	Addressed the case where, after a derived relationship was added in DAC, users other than “Super User” were not able to create a new Language item.
076993	Text is no longer displayed outside of the error message window in some long exception errors.
077229	Can now rename a non-leaf node in classification.
077582	The Replace action for Command Bar Items now works as expected.
078510	Conversion tasks will no longer be discarded if the instance and agent service are installed on different servers with different time zones.
078535	It is now possible to save a source item if a related item is claimed.
078552	After running a Search operation Favorite Search is selected as active.
078659	An Instance error no longer occurs when saving an Item with an attachment.

Issue #	Description
079818	Can now close/discard is_relationship Items tab if the relationship is blank and no edits are made after attempting to cancel the creation of a new relationship.
F-000055	The Modal Search toolbar is updated to match the styling and organization of other toolbars.
F-000135	Any Favorite Searches which the user identifies as "Show on TOC" are displayed in the secondary ItemType menu.
F-000226	The login screen has been updated to provide capability for authentication options.
F-000273	Added xProperties support to Enterprise Search.
F-000366	Added Indexed Configurations Enhancements to Enterprise Search Admin.
F-000689	Added Index Summary to Enterprise Search Admin.
F-000735	Provides the ability for Administrators to define 3D View Definitions, with associated Query Definitions, that will be used to determine the content of a Dynamic View and provide access to related content.
F-000774	Added file processor health information to Enterprise Search to see the current status of File processor component and its derived processes.
F-000855	When closing a part with effectivity data, the unsaved dialog was improved to identify which effectivity data is unsaved.
F-000923	Added permissions for "New" button in the manage effectivity expression form.
I-003564	If a Report with target=main is run with no tabs opened it will correctly trigger the error message "Neither type nor typeld attribute is specified on tag ."
I-005663	'Prev' button in xClassTree search correctly changes the searched point.
038533, 038532	Functionality added to allow Export to Excel from Configurable Grid.
039924	Corrected a situation that could return 'undefined' after the 25th row of a relationship grid.

Issue #	Description
057017	Added Data Type = Item Property to Request conditions for Delete Item/Item Type or Where Used actions.
057667, I-006113	Support structure resolution (As Saved, Released, and Latest) in Query Builder and Tree Grid View.
061526, I-002244	The Effectivity Expression Editor is no longer case-sensitive to Boolean Expression nodes.
063879, 064225	Distributed Access Control permissions are now correctly propagated to an Item when the DAC Definition is activated.
076303	Advanced search by 'created on' property correctly processes when current locale has DDMMYYYY date format.
076568	Fixed potentially unstable MetadataDatabaseCache.
077140, I-001931, I-003564	<p>Updated Actions and Reports ItemTypes with Target=Main and Type=Generic which were available from the user menu without opening the Search or Item Grid.</p> <p>Reports: data is now 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: Clarified the displayed message when attempting to close an unsaved tab.</p>
077632, I-006683	Preferred vendors are now included in the Approved Vendors report.
077692, F-000712	Improved usability of the multi-lingual input dialog.
078042	Implemented derived multi-valued attributes in MAC Policy.
078306, F-000023	Ability to save and access favorite items.
078307, F-000049	Performance and usability enhancements to modal search dialog.
078364	Corrected an inconsistency with the 'ml-string' property when the suffix is different from the language code.

<b>Issue #</b>	<b>Description</b>
078406, I-005532	Actions with the Can Execute method that return "False" or "NULL" are now shown as disabled for users from the user menu.
078570	Addressed a Data type inconsistency for login_name in User and LockedUser.
079818	Corrected a situation in which an Item would not allow the user to close/discard if the relationship tab was touched, even without edits.
079982, F-000051	Added a context menu on main tabs, which provides convenient functions to close all tabs, close tabs to the right or left, etc.
080121	Updated German translations on Unsaved Changes dialog.
080601	Updated German translation in installer.
080664, I-005818	Relationship Grid cell height was increased by 1px to address a display issue in which some rows only displayed partially.