

Enhancements in Aras Innovator 11.0 SP14

Effectivity Services

Effectivity Services provides core functionality for developing applications to manage effectivity on structures and resolve structures for given effectivity criteria.

Effectivity Services and the custom application layer together enable users to:

- Define effectivity variables (such as date, model, unit, lot, batch, and plant).
- Set effectivity conditions on relationships.
- Recursively resolve structures by effectivity to generate configured structures.

User Interface

A number of new productivity features have been added to the Aras Innovator client:

- Type-ahead is now supported for search criteria entry for Item and Classification properties in addition to List properties.
- Mathematical comparison operators $<$, $<=$, $>$, $>=$, and \dots (range) are now supported for search criteria entry of numeric properties.
- SI abbreviations are now supported for quick entry of numeric (Float) values, for example: 12k=12000. Supported abbreviations, which are case-sensitive, include f, p, n, u (micro), m, k (or K), M, G, T, and P.
- The main search grids support the ability to freeze a number of columns on the left so that they stay fixed when scrolling horizontally.
- You can now use drag and drop to reorder tabs.

Enterprise Search

Multilingual support for Enterprise Search has been enhanced. Users can now search instances supporting multiple languages and utilize multilingual filters. Please see the Enterprise Search documentation for configuration information.

Extended Classification

A number of powerful end-user and admin features have been added for Extended Classification:

- xProperties can now be displayed in relationship grids
- **Refine Search** functionality has been added to both the main grid and relationship grids, replacing the former **Select Columns** control. In addition to allowing the user to select displayed columns, it now includes xClass search/filter capability within a new "xClass Bar" in search results
- **Extended Property Search** is a new entry in the TOC which allows you to search for xProperties across multiple ItemTypes.
- The "Item" Data Type is now supported for xProperties
- Label, Default Value, Required and Read-Only properties of an xProperty can be overridden by setting class-specific values.
- An xProperty can be made inactive for a particular class assignment, resulting in that xProperty not appearing in the UI.

Access Control

Support for xProperties and xClasses has been added to the MAC Policies functionality.

Tree Grid View

The new **Grow** function performs an iterative expand operation on a tree, starting from a selected row to a given number of levels. It greatly simplifies the steps for an exhaustive query and display of related items at multiple levels in Tree Grid View, and when used at the root level with a large number of expand levels, closely approximates an “Expand All” operation.

The new **Trim** function is similar to **Grow** and automates the task of collapsing nodes in Tree Grid View. You can apply the **Trim** function to a selected Item/Node which affects the display of all peer Nodes in Tree Grid View. The result is equivalent to manually collapsing all other peer Nodes under the same parent Node.

Filter provides a related content filter that enables you to remove selected content from a Query and the Tree Grid View. Filtering in this way enables you to reuse a single Tree Grid View to isolate specific portions of the underlying query without the need for an Administrator to create multiple Tree Grid View instances. In doing so, it also provides a way to remove unwanted items from the queries thereby reducing the result set size.

Visual Collaboration

Users can now edit their posted comments and replies in Visual Collaboration. A pencil icon communicates a text change has been made, so users can identify if a comment or reply has been altered. Editing is also supported for @mentions, a previously entered username can be removed or a new username can be added.

HOOPS Communicator, the underlying 3D visualization technology used by Aras Innovator, has updated in this release. The new version adds support for 3D DWG format, and improved quality of view rendering.

Issues Fixed in Aras Innovator 11.0 SP14

Issue #	Description
013565	Added the ability to freeze some columns on the left in a search grid and scroll the other columns.
028750	Fixed an issue that prevented selecting a second database from the login screen when Windows Authentication is enabled.
031928	Fixed browser errors triggered when Life Cycle Promotion is done from the "View Life Cycle" tear-off window.
032461	Resolved issue in which the previously used directory in file chooser was not preserved when uploading multiple files.
032775	Corrected Method editor issue which could cause code to become unreadable.
032781	Fixed an issue with the horizontal scrollbar. It now loads correctly for cases where the tree is wider than the dialog when expanding the tree in the "Where Used" dialog.
034756	Fixed an issue where the client could fail to load in Firefox when using a StartItem URL.
036796	Improved usability with the Edge browser.
040921	Added the ability to edit a visual collaboration message you previously posted.

Issue #	Description
041421	Fixed an issue where a user who is already logged in was added to a group Identity with "can_add" permission, but the user could not create a new item, even after relogin.
043640	Fixed an issue where setCombo could trigger an "undefined" error dialogue.
044586	Added Effectivity Services, which provides core functionality for developing applications to manage effectivity on structures and resolve structures for given effectivity criteria.
045350	Disabled password check for Voting if Windows Authentication is enabled/in use, because authentication is automatic. This corrects a display issue where the password field would be ignored, and the action completed, regardless of the value input.
048087	Added the ability to reorder Item tabs using drag and drop.
049817	Properties of the relationship grid are now updated correctly when adding/editing multiple relationships.
050052	Improved Enterprise search to not trigger unnecessary vault replication transactions.
050297	Fixed an error that can occur when opening the Revision dialog from an Item window opened by a StartItem link.
051348	Added the ability to override the Label, Default Value, Required, and Read-Only properties associated with an xProperty by setting a class-specific value in the Class Editor.
051430	Added an "Inactive" flag for xProperties which allows an xProperty to be set as inactive for a specific class assignment and means that the xProperty does not appear in the UI.
052490	Added the "pattern" property to xPropertyDefinition.
052903	Addressed a possible memory leak, triggered by opening, checking, and closing CAD items in the Viewer with HWF files.
053218	Improvements made to the drag & drop functionality in the xClass Editor.
053866	Added the ability to create configurable icons for entries in the main search grid context menu.
053986	Added Multiple language support for string and property labels added in Enterprise Search. Support for searching on double byte characters improved.
054196	Added Type-ahead for item/classification properties.
054198	Added the capability to use comparison operators <, >, <=, >=, and ... (range) for numeric properties in search criteria for a simple search.
054535	Fixed an issue where a tab was displayed and could not be closed in some cases when opening an old generation tab.
054697	Addressed an exception generated on executing a Query Definition when including a federated item type.

Issue #	Description
054791	Corrected an instance in which the relationship tab could be displayed as blank after moving to another relationship tab, saving, and then moving back to the original relationship tab.
054875	Introduced support for the "Item" DataType in xProperty feature.
055103	Introduced new client security enhancement to prevent the loading of files directly in the browser unless authorized.
055278	Fixed an issue where the Extra fields pull down in Relationship Grid became unusable in Windows Mode.
055399	Improved handling of Labels for items in the Main toolbar.
055631	Added support for the use of standard SI abbreviations to simplify data entry and search criteria for Float properties.
055702	Corrected cases in which a "comma" was replaced by "dot" in xClass controls for Russian locale setting.
056150	Fixed an issue within MAC Policies. Now, on save, a condition with empty string (str="") will be correctly retained.
056201	Added support for the 'Show Toolbar Labels' preference in the relationship grid.
056291	Fixed an issue so Users can now successfully add a subclass to an item after the Class Structure dialog has been closed, in Edge.
056361	Fixed collation error triggered by Performing the Save As command on an Item with xProperties when the Database collation and SQL Server collation do not match.
056618	Fixed an issue in which, sometimes, only one saved search was listed in the dropdown field if multiple searches were saved during a single user session.
056907	Added support for side-by-side viewing of documents within the Technical Documentation Framework.
038796, 054651	Corrected an issue in Internet Explorer 11 when the first character of text in the field was lost in the on entry after tabbing through fields in the relationship grid.
052378, 053894	Fixed issues which prevented the xProperties and xClasses from being displayed in the relationship grid.
052441, 056586	Corrected an issue which prevented Electronic Markups/Stamp/Signature done via Adobe from displaying in the PDF Viewer. (PDF notations are shown in PDF viewer when variable PDF_EnableAnnotations is set to 1).
054598, 055160	Corrected an issue which prevented the insertion of a symbol from the character table to Text Element in Technical Documents.
055926, 057182	Addressed errors which occurred when using Extended Classification with a very large xClassification Tree with many xProperties.
058009, 058057	Fixed issue to enable the tab for Where Used to render with labels and size correctly to display the contents.

Issue #	Description
059294, 062169	Added Grow and Trim functions to Tree Grid View, to support iterative expand and collapse operations.
060769, 062715	Fixed issue that could prevent the use of Mass Promote feature based target on ItemType definition.
044275, 045304, 060322	Fixed issue in Enterprise Search to enable Property Labels to display correctly instead of Property Names.
049676, 057049, 057440	<p>Added support for the following xPxC-related built-in methods in MAC Policy Conditions:</p> <ul style="list-style-type: none"> • CurrentItem.IsPropertyDefined(<xPropertyName>) returns true if <xPropertyName> is defined on the current item, otherwise it returns false. • CurrentItem.IsClassifiedByClass(<xClassName>) returns true if the current item is classified by (<xClassName>), otherwise it returns false. • CurrentUser.IsPropertyDefined(<xPropertyName>) returns true if <xPropertyName> is defined on the current user, otherwise it returns false. • CurrentUser.IsClassifiedByClass(<xClassName>) returns true if the current user is classified by <xClassName>, otherwise it returns false. <p>You can also use the following methods in MAC Policy conditions:</p> <ul style="list-style-type: none"> • CurrentUser.IsMemberOf(<Identity Name>) returns true if the current user is a member of a (non-system) identity <Identity Name>, otherwise it returns false. <p>String.Contains(<StringToSearch>, <SearchForString>) returns true if <SearchForString> is a substring of <StringToSearch>, otherwise it returns false.</p>
050052	Improved the batch loader to allow xProperties to be defined in the template XML.