

## Enhancements in Aras Innovator 11.0 SP15

### Domain Access Control (DAC)

Domain Access Control is a new form of relationship-based access control that is designed to make it easier for users who belong to multiple domains and roles to access multiple domains/projects and workspaces as well as the underlying hierarchy of related items.

### Graph Navigation

Graph Navigation is a new, interactive user interface for visualizing and exploring data structures through graphs containing nodes and connectors. Administrators can configure Graph Views that can contain all the underlying data of a root item (Ad-hoc mode) or restrict the view to only display information based on a Query Definition (Query Based Mode). Administrators also have the ability to customize the appearance, layout, and style of the data displayed within a graph.

### Technical Documentation Framework (TDF)

The following features have been added to TDF:

- The Table of Contents feature provides the ability to configure and insert a Table of Contents (TOC), where each TOC item links with Document Elements within the document. Page numbers for the Document Elements are added when published in PDF format.
- Enhanced Attributes Support provides additional support for XML Schema Attribute definitions to filter valid attribute values in the Technical Document Editor and provide the necessary property editors (date, number, etc) for the author to provide values.
- XML Schema Editor and Validation Support gives Technical Document administrators the ability to test the validity of a Document Schema defined within a Tech Docs Document Type definition and provide the necessary feedback to help identify the source of any anomalies.

### Configurator Services API

The following enhancements have been made:

- The 'Cfg\_GetConflicts' API method returns a list of conflicts with an optimal number of conflict sources.
- The Caching of internal solver states and related data has been provided to improve the performance of the following API methods on subsequent requests:
  - Cfg\_GetValid\_Combinations
  - Cfg\_ValidateScope
  - Cfg\_GetIntersectingExpressions

### Effectivity Services API

The following enhancements have been made:

- Effectivity expressions can now contain negative numbers.
- A new UI control, DynamicTreeGrid, has been introduced. It can be used to create an input form for the effectivity resolution criteria that can be integrated into the Tree Grid View for structure resolution.
- The performance of the Effectivity Resolution Engine has been improved through the use of Query Builder to resolve large, multi-level structures.

### Self-Service Reporting

The Self Service Reporting feature has been improved to fix a number of critical issues identified by Subscribers. Additional improvements related to performance and usability have also been included in this release.

### Issues Fixed in Aras Innovator 11.0 SP15

Framework

Issue #	Description
037759	Self-Service Reports now display color list, Boolean, and image properties correctly.
040768	Fixed issue when returning to ItemType tab from Preview Tab where the report window would become blank.
041827	Addressed issue where a property in an editable report was displayed incorrectly in Self-Service Reports.
042600	Addressed case in which Properties of relationships would disappear after applying "Allow Nulls" in Self-Service Reports.
042715	Corrected logic which prevented some Selected properties from being saved in Excluded Properties in Self-Service Reports.
042838	Fixed Value Ranges in Advanced Settings not appearing in charts when using a Japanese client and server with Self-Service Reports.
044912	Addressed a situation in which the user was unable to create an SSR report in Edge.
046213	It is now possible to set a specified number of rows for display in the preview tab for Self-Service Reporting.
046677	Function drop-down is now displayed correctly on the Chart tab in Self-Service Reports.
047048	Fixed issue where line breaks did not get displayed in Self-Service Reports.

Issue #	Description
050025	Corrected issue that could occur where data failed to save the "start of header" character was inserted into a text field.
050596	The fixed an issue with the Technical Documentation framework window to automatically scroll down when the cursor is all the way at the bottom of the window and the End User clicks Shift+Enter to start a new line.
050597	When bringing up a context menu in the Technical Document Framework while the cursor is all the way at the bottom of the screen, the context menu will pop up above the cursor location.
051175	Introduced a new form of access control based on a single top-level item and its derived relationship structure. This new module, called Domain Access Control (DAC), can be used to provide supplier access based on a single project and parts and documents related to that project.
051180	Introduced Graph Navigation as a new, interactive user interface for visualizing and exploring data structures through graphs containing nodes and connectors.
051845	Corrected issue where Equals Filter (Multiple) was being displayed incorrectly when attempting to Edit report in Self-Service Reports.
052805	Batch operations were introduced into Odata.
053218	Improvements have been made to drag and drop functionality in the xClass Editor.
053244	Fixed Invalid column name error on foreign properties in filters in Self-Service Reports.
054504	If Windows Authentication is used, the password validation in the vote dialog has been disabled.
054576	Fixed an issue with extended classifications that could prevent the AML from updating after changing xClass columns in main search grid
055383	Fixed an issue where an ItemType became unavailable after an invalid search using Advanced Search
056744	Corrected issue that occurred when previewing a filtered report where an invalid column name error was returned for foreign properties in Self-Service Reports.
057294	Corrected issue where the Properties tab was not getting refreshed if the ItemTypes tab was updated.
057296	Fixed an issue that could prevent editing the report structure in Self-Service Reports.
057437	Fixed issue where some relationship grids would update after locking or unlocking an ItemType form within the grid.

Issue #	Description
057525	When creating a Part BOM report, the sub-Part Number is different from the main Part Number in the report.
057946	Improved Count() condition in Query Builder.
058172	Float properties are now shown in the correct format by default in Self-Service Reports.
058326	Fixed issue where, for newly-created Effectivity items, Effectivity expression input in the definition area was not enabled until after Save was clicked.
058473	The Tab key now advances to the next search cell within a new freeze column region.
059303	ODATA PUT method will now update simple property or single navigation property. When trying to apply PUT method to other cases the response will return an error code.
059308	All ODATA operations allowing edit action will also accept 'update' action if specified by @aras.action. PUT DELETE HTTP methods are not overwritten by "@aras.action: update" Innovator action
059342	Fixed error in main Search grid criteria row when opened by F2.
059442	A NULL filter condition in an OData request now returns data for Item Properties in GET.
059544	When working with the technical documentation framework, it is now possible to configure and insert a Table of Contents with links to associated headings in the document.
059545	When creating or editing XML schemas for Technical Documents, administrators can now validate their updates as they go, helping avoid compilation errors.
059546	The enhanced attribute support in Technical Documents now allows administrators to specify a range of valid and required values that an End User would enter into an element.
059566	Item context menu (reference item) correctly shows when an item was unlocked in the content modelling framework.
059567	Added UI Control to input effectivity criteria for structure resolution within Effectivity Services.
059771	Fixed issue where a session was closed if the user selected logout but selected to cancel/stay when warned of unsaved items. The user's session now remains open and unsaved items are saved when requested.

Issue #	Description
059811	Fixed an issue that could cause search criteria entered into the “frozen” section of the main grid to be ignored.
060012	Corrected error which occurred if (2000+) xProperties exist and onAfterAdd/Update event was defined.
060042	Fixed issue in the technical documentation framework that occurred when the property Content was unable to be resized from 4000 to max if the Aras Innovator instance had more than one database installed.
060190	Searching by date using the preceding “0” (e.g. in format 09/24/2017) now processes the date and automatically changes the Date value to the correct format (e.g. 9/24/2017).
060279	Corrected issue where focus was lost in Filter textbox when running Report in Self-Service Reporting.
060333	Files can now print while in Markup mode.
060622	The arrows indicating the sort direction in the Main Grid use the “up arrow” to indicate “incremental” (A-Z) sort order and the “down arrow” to indicate “decremental” (Z-A) order.
060848	Fixed an error in OData when using the PUT method to change the related item (\$ref) in a relationship by reference.
061558	Disabled xClasses button when Item created by method.
061574	Fixed an issue that occurred when using the isClassifiedByxClass() method for 2 identically named xClasses belonging to different xClassification trees in a MAC Condition. Both xClasses will now be saved and displayed correctly.
062189	The Foreign property field now displays on the Item Form.
062379	Fixed an issue in which the basic search cell is not cleared if contents are deleted by highlight/select/delete.
062836	Values in Properties tab for PolyItems are now correctly displayed in Self-Service Reports.
063841	Login names with apostrophes are correctly parsed.
065138	Performance improvements were implemented for Tree Grid View used with Effectivity Services.
034198, 044190, 069644	Improvements to SSR access control.
034423, 063954	Self-Service Reporting now uses the standard Aras Innovator calendar.

Issue #	Description
039984, 046671	Corrected issue where report preview displayed the keyed name of a property instead of the label specified in the report builder of Self-Service Reporting.
040754, 042733, 050617, 050633, 056217, 053746, 057718, 062481, 063920, 064217	Fixed issue in Self-Service Reporting so that Properties and RelationshipTypes are properly displayed for ItemType in Chrome.
046207, 049813	Addressed issue where Export as PDF in Self-Service reporting did not work on Windows Server 2016.
046844, 049459, 46845	Fixed issue where Self-Service Reports with Link/Link(New Window) or Pop-up Drill-Down Style would not properly load the linked sub-report.
048271, 053226	Addressed issue where clicking on the Gauge chart in the report did not display sub-report in Self-Service Reports.
052013, 052014, 055629	Addressed issue that occurred when exporting a report to Excel. Dates were displayed incorrectly because the exported field included HTML in Self-Service Reporting.
052175, 052181	Fixed issue that occurred when, after removing an Item from a report, the Properties tab was blank and then on reload displayed duplicate Properties in Self-Service Reporting.
057902, 056174	Fixed issue that occurred in report with VG checked, where some characters were displayed as HTML entities in Self-Service Reporting.
058599, 062086	Lists displayed in the main grid simple search correctly expand to show the full label.
059769, 059115	Improved OAuth authentication to work with the download of files using the Checkout manager and using the Open in Office action.
059799, 064617	Addressed issue that could prevent data from being input into the relationship grid when typing after tabbing into the cell.
060247, 061878	Improvements to OAuth
062125, 063072, 063627, 063693, 063694, 063695	HttpServerConnection and IOM was updated to use access token.
062184, 062237	Enhancements have been made to strengthen the connection between OAuthServer and InnovatorServer.
062327, 062786, 062787, 063181, 063409	Added security enhancements to the OAuth process.



Issue #	Description
059050	Token cache processing improved.

Tools and Utilities

Issue #	Description
042965	Addressed issue with the Package Export Utility to ensure that the exporting an tp_XmlSchema Item will force the <content_generator> tag to reference the Method by get for the id.