Aras Innovator 11

Release Notes

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Aras Corporation
300 Brickstone Square
Suite 700
Andover, MA 01810

Phone: 978-691-8900
Fax: 978-794-9826

E-mail: Support@aras.com

Website: http://www.aras.com

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Table of Contents

Send Us Your Comments **5**

Document Conventions **6**

1 Release History **7**

2 Upgrading from Previous Releases **8**

2.1 Upgrading to Aras Innovator 11 from Aras Innovator 10 8
2.2 Upgrading to Aras Innovator 11 from Earlier Releases 8
2.3 Upgrading to Aras Innovator 11.0 SP10 from Aras Innovator 11 8
2.4 Upgrading to Aras Innovator 11.0 SP10 from Aras Innovator 11.0 SP8 8

3 Enhancements, Bug Fixes, and Known Issues **9**

3.1 Version 11.0 SP10 9

3.1.1 Enhancements in Aras Innovator 11.0 SP10 ..... *9*
3.1.2 Issues Fixed in Aras Innovator 11.0 SP10 ..... *10*
3.1.3 Known Issues in Aras Innovator 11.0 SP10 ..... *11*

3.2 Version 11.0 SP9 14

3.2.1 Enhancements in Aras Innovator 11.0 SP9 ..... *14*
3.2.2 Issues Fixed in Aras Innovator 11.0 SP9 ..... *15*
3.2.3 Known Issues in Aras Innovator 11.0 SP9 ..... *17*

3.3 Version 11.0 SP8 19

3.3.1 Enhancements in Aras Innovator 11.0 SP8 ..... *19*
3.3.2 Issues Fixed in Aras Innovator 11.0 SP8 ..... *20*
3.3.3 Known Issues in Aras Innovator 11.0 SP8 ..... *23*

3.4 Version 11.0 SP7 26

3.4.1 Enhancements in Aras Innovator 11.0 SP7 ..... *26*
3.4.2 Issues Fixed in Aras Innovator 11.0 SP7 ..... *26*
3.4.3 Known Issues in Aras Innovator 11.0 SP7 ..... *28*

3.5 Version 11.0 SP6 31

3.5.1 Enhancements in Aras Innovator 11.0 SP6 ..... *31*
3.5.2 Issues Fixed in Aras Innovator 11.0 SP6 ..... *31*
3.5.3 Known Issues in Aras Innovator 11.0 SP6 ..... *32*

3.6 Version 11.0 SP5 35

3.6.1 Enhancements in Aras Innovator 11.0 SP5 ..... *35*
3.6.2 Issues Fixed in Aras Innovator 11.0 SP5 ..... *36*
3.6.3 Known Issues in Aras Innovator 11.0 SP5 ..... *36*

3.7 Version 11.0 SP4 39

3.7.1 Enhancements in Aras Innovator 11.0 SP4 ..... *39*

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3.7.2 Issues Fixed in Aras Innovator 11.0 SP4 39
3.7.3 Known Issues in Aras Innovator 11.0 SP4 40

3.8 Version 11.0 SP3 43

3.8.1 Enhancements in Aras Innovator 11.0 SP3 43
3.8.2 Issues Fixed in Aras Innovator 11.0 SP3 43
3.8.3 Known Issues in Aras Innovator 11.0 SP3 44

3.9 Version 11.0 SP2 46

3.9.1 Enhancements in Aras Innovator 11.0 SP2 46
3.9.2 Issues Fixed in Aras Innovator 11.0 SP2 46
3.9.3 Known Issues in Aras Innovator 11.0 SP2 46

3.10 Version 11.0 SP1 49

3.10.1 Enhancements in Aras Innovator 11.0 SP1 49
3.10.2 Issues Fixed in Aras Innovator 11.0 SP1 49
3.10.3 Known Issues in Aras Innovator 11.0 SP1 51

3.11 Version 11 53

3.11.1 Enhancements in Aras Innovator 11.0 53
3.11.2 Enhancements in Aras Program Management 11.0R1 53
3.11.3 Issues Fixed in Aras Innovator 11.0 54
3.11.4 Known Issues in Aras Innovator 11.0 57

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Aras Corporation
300 Brickstone Square
Suite 700
Andover, MA 01810
Attention: Aras Innovator Documentation

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Document Conventions

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

Table 1: Document Conventions

Convention	Description
Bold	This shows the names of menu items, dialog boxes, dialog box elements, and commands. Example: Click **OK**.
`Code`	Code examples appear in `courier` text. It may represent text you type or data you read.
`Yellow highlight`	Code with yellow highlight is used to draw attention to the code that is being indicated in the content.
`Yellow highlight with red text`	Red color text with yellow highlight is used to indicate the code parameter that needs to be changed or replaced.
Italics	Reference to other documents.
Note:	Notes contain additional useful information.
Warning	Warning contains 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 will select consecutively. Example: Navigate to **File** --> **Save** --> **OK**.

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1 Release History

Version	Date	Comments
11.0	2014-12-31	Initial Release
11.0 SP1	2015-03-06	Patch Release
11.0 SP2	2015-04-20	Patch Release
11.0 SP3	2015-07-31	Patch Release
11.0 SP4	2015-10-31	Patch Release
11.0 SP5	2015-12-29	Patch Release
11.0 SP6	2016-03-14	Patch Release
11.0 SP7	2016-06-30	Patch Release
11.0 SP8	2016-10-14	Patch Release
11.0 SP9	2017-01-20	Patch Release
11.0 SP10	2017-04-30	Patch Release

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2 Upgrading from Previous Releases

There are multiple potential states from which a Subscriber may wish to upgrade to Aras Innovator 11.

1. Aras Innovator 10 is running in production, and you wish to upgrade to the Aras Innovator 11 release.
2. You are running a version of Aras Innovator that is previous to release 10.
3. Aras Innovator 11 is running in production, and you wish to upgrade to the Aras Innovator 11.0 SP10 release
4. Aras Innovator 11.0 SP8 is running in production, and you wish to upgrade to the Aras Innovator 11.0 SP10 release

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

2.1 Upgrading to Aras Innovator 11 from Aras Innovator 10

For customers with an active Premiere Subscription, Upgrade Services are available to migrate your production Aras Innovator 10 (any service pack) version directly to Aras Innovator 11.

Customers with an active Premiere Subscription can request Upgrade Services by contacting Aras Support at support@aras.com.

2.2 Upgrading to Aras Innovator 11 from Earlier Releases

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

2.3 Upgrading to Aras Innovator 11.0 SP10 from Aras Innovator 11

Customers with an active subscription running any service pack of Aras Innovator 11 can request managed upgrade as part of 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 11.0 SP10.

2.4 Upgrading to Aras Innovator 11.0 SP10 from Aras Innovator 11.0 SP8

Customers with an active subscription running Aras Innovator 11.0 SP8 should refer to the *Aras Innovator 11 – Upgrading to Service Pack 10 from Aras Innovator 11.0 SP8* document.

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3 Enhancements, Bug Fixes, and Known Issues

3.1 Version 11.0 SP10

3.1.1 Enhancements in Aras Innovator 11.0 SP10

Query Builder

Introduced a graphical user interface for building complex queries. The Query Builder will enable an Administrator to define a structure of Items and related Items, including associated Properties - collectively referred to as a Query Definition - using a graphical User Interface (UI). The resulting Query Definition can then be used for executing one or more queries. The resulting queries can be used with advanced User Interface modeling such as the Tree Grid View.

Tree Grid View

Introduce configurable multi-relationship browser view or Tree Grid View. The Tree Grid View provides a user interface that will enable a user to interact with a data structure by exploring related Items and their associated property values. The selection and visual layout of the Items and properties is configured by an administrator, defined as a single 'View'. The result will provide the end-user with a new way to visualize data structures.

Watermarking

Introduced a standard watermarking utility for use with PDF files

- Runs using the standard Aras Innovator Conversion Server
- Supports watermarking based on lifecycle state.
- Supports "Region" watermarking to block content under the stamp
- Supports "Overlay" watermarking to allow content to be shown on top of the stamp

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3.1.2 Issues Fixed in Aras Innovator 11.0 SP10

Table 2: Framework

Issue #	Description
016487	Introduce Query Builder feature.
033596	Introduced configurable multi-relationship browser view or Tree Grid View.
044236	Fixed issue that could prevent Japanese input in Enterprise Search field.
045062	Improved compatibility of Formatted Text data type with Microsoft SQL Server Reporting Services.
045852	Added the ability to open an Item tab behind the main grid with CTRL+LMB. This shortcut only works from the main grid and not from other tabs.
046147	Introduced the ability to copy an Item URL from the Properties dialog for the Item.
047815	Eliminated issue that could prevent passing a collection of Items to the CheckoutManager Windows 8.1 and Windows 10 clients.
049015	Enhancements to the CAD to PDF converter.
047002, 041276	Introduced Watermarking feature for use with the Conversion Server.
043606, 043607, 043608	Improved error handling when Vault Server.
046371	Fixed issue that could prevent “Snap” feature from working in the Form Editor when the client view is in “Tabs” mode.

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3.1.3 Known Issues in Aras Innovator 11.0 SP10

Table 3: Framework

Issue #	Description	Workaround
006830	Cannot change a text property from “not required” to “required”.	A workaround has been provided in the on-line help of Innovator.
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 resolving the vault URL, 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 Innovator. Please contact Aras support if you are having difficulty with a new feature.
021945	Baseline versioning discipline on Part BOM is not compatible with the Impact Matrix.	
021946	Baseline versioning discipline on Part BOM is not compatible with the 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 to all radio boxes and check boxes.	
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	

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Issue #	Description	Workaround
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.	Manually define the web service in a text file outside of the Aras Innovator user interface.
037759	Self-Service Reports can fail to display color list, color, Boolean, and image properties correctly if the ItemType was created after Self-Service Reporting is initialized on the server.	The “Aras SelfServiceReporting AppPool ASP.NET 4.0” application pool will need to be restarted on the server.
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 assistance in upgrading the existing reports.
024443, 033559	The standard integration with Microsoft SharePoint is not certified for use with Aras Innovator.	
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 File Selectors must be updated manually in order to view TIFF and BMP formats.
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.
043668	Content modeling framework can fail to show editor in Chrome browser	Use Internet Explorer or FireFox browser.
046252	Error that occur when loading Reporting Services report in Tabs viewing mode could load error text over the main toolbar.	Close the report and reload the main grid.
046477	Reports containing references to “top.Item” can fail to load in Tab view mode because the context of “top” is the main window.	Load the report in Windows view mode or Subscribers may contact Aras Support (support@aras.com) to review possible updates to the report.

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Issue #	Description	Workaround
044912	Self Service Reporting can fail to generate reports correctly in Edge browser.	Use alternate browser for report generation.
048590	Tree Grid View does not support the display of all Property Item data types.	

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3.2 Version 11.0 SP9

3.2.1 Enhancements in Aras Innovator 11.0 SP9

Microsoft Windows Server 2016

Introduced support for SQL Server 2016 on the server.

Microsoft Edge Browser

Introduced support for Edge browser on the Windows 10 client.

Preview Pane in Main Grid

The main grid has had a preview pane option added that allows the end user to choose to view the Items in the main grid without opening the tear-off window. The default will be to have this view disabled, but the user will be able to select the preferred view mode for each ItemType in the TOC

Tab Viewing Mode

Aras Innovator 11.0 SP9 introduces a new Tab viewing mode that allows tear-off windows to load as Tabs on the main Aras Innovator window. The default mode for new databases will be to load in Tab viewing mode, but Windows viewing mode can still be used by configuring the global settings.

- Tabs viewing mode is the default mode for new instances
- Tabs viewing mode is required for Edge browser
- Item tabs have a pop-out button to allow the tab to be loaded as a separate window
- “Windows” and “Tabs” mode are specified globally for all users by the “Client Display Mode” Variable Item

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3.2.2 Issues Fixed in Aras Innovator 11.0 SP9

Table 4: Framework

Issue #	Description
016785	Fixed error that could cause Package Import Export utilities to export Items more than once.
037086	Improved error handling when Vault Server is off-line.
037583	The main window has been enhanced to show current logged in user and logout option in the top banner of the main window.
038043	Introduced support for the Edge browser on Windows 10. Edge browser will always load client in Tab view mode.
038722	Fixed Self Service Reporting to load in Tabs view mode.
041319	Fixed error that can occur when modifying content type in a Content Modelling Framework document.
041457	Fixed error that could cause CAD to PDF converter to fail to end.
042136	Eliminated error that could cause the installer to fail to identify the version of SQL Server being used, and prevent installation of the database.
042434	Introduce support for Windows Server 2016
042937	Improved Enterprise Search crawler to index files attached to Items that have already been indexed. E.g. If a Document was indexed for attached Word files, but not indexed for attached PDF files, the Document will be indexed for PDF files when the PDF file indexing is enabled.
042992	Introduce support for MAC OS Version 10.12 "Sierra"
043120	Enhanced the Technical Documentation Framework to allow subclasses to be added to the technical document ItemTypes.
043619	Enhancements to the 3D PDF viewer
043847	Improved support for deep linking to include Tab view mode.
043862	Improved loading tear-off window when versioning an Item.
043866	Eliminated error that can occur when creating binding element in Content Modelling Framework
043920	Improved Export to Excel in Chrome browser

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Issue #	Description
043994	Eliminated error that could apply incorrect filter in Technical Documentation Framework
044322	Improved Technical Documentation Framework to refresh document nodes after performing a delete from text.
044330	Fixed error that could cause Self Service Reporting to crash in IIS
044498	Fixed error that could prevent Item from being indexed if text contained XML characters.
044683	Fixed error that could prevent the formatted text editor from loading in Chrome browser.
044803	Improved Workflow voting sign-off to prevent completing an activity when Password authentication is required without providing required password.
044803	Eliminated a failure to calculate the timestamp when digitally signing a Workflow Activity Vote with a Windows Authenticated password.
045099	Eliminated error that could occur in login dialog.
045267	Improved load of relationship grid when adding Items
045929	Require .NET 4.5.2 on the server
016118, 038301	Introduced Preview Pane in the main grid. The preview pane will show the default form view for the Item. The preview pane can be enable by each user on each ItemType in the main grid.
026538, 034515	Sort Across Pages has been restored to the search functionality in the main grid.
039350, 043620	Enhancements to the CAD to PDF converter
043846, 038302, 041122, 041122, 032117, 025271	Introduced option to show tear-off windows as tabs in the main Aras Innovator window. The option is a global Variable Item for all users, but will always load as Tabs view mode for users using Edge browser.

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3.2.3 Known Issues in Aras Innovator 11.0 SP9

Table 5: Framework

Issue #	Description	Workaround
006830	Cannot change a text property from “not required” to “required”.	A workaround has been provided in the on-line help of Innovator.
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 resolving the vault URL, 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 Innovator. Please contact Aras support if you are having difficulty with a new feature.
021945	Baseline versioning discipline on Part BOM is not compatible with the Impact Matrix.	
021946	Baseline versioning discipline on Part BOM is not compatible with the 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 to all radio boxes and check boxes.	
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	

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Issue #	Description	Workaround
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.	Manually define the web service in a text file outside of the Aras Innovator user interface.
037759	Self-Service Reports can fail to display color list, color, Boolean, and image properties correctly if the ItemType was created after Self-Service Reporting is initialized on the server.	The “Aras SelfServiceReporting AppPool ASP.NET 4.0” application pool will need to be restarted on the server.
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 assistance in upgrading the existing reports.
024443, 033559	The standard integration with Microsoft SharePoint is not certified for use with Aras Innovator.	
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 File Selectors must be updated manually in order to view TIFF and BMP formats.
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.
043668	Content modeling framework can fail to show editor in Chrome browser	Use Internet Explorer or FireFox browser.
046252	Error that occur when loading Reporting Services report in Tabs viewing mode could load error text over the main toolbar.	Close the report and reload the main grid.
046477	Reports containing references to “top.Item” can fail to load in Tab view mode because the context of “top” is the main window.	Load the report in Windows view mode or Subscribers may contact Aras Support (support@aras.com) to review possible updates to the report.

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Issue #	Description	Workaround
044912	Self Service Reporting can fail to generate reports correctly in Edge browser.	Use alternate browser for report generation.
046371	“Snap” mode does not work in Form Editor in Tabs	

3.3 Version 11.0 SP8

3.3.1 Enhancements in Aras Innovator 11.0 SP8

Microsoft SQL Server 2016

Introduced support for SQL Server 2016 on the server.

Remove Browser Extensions

Aras Innovator 11.0 SP8 has removed the use of extensions in the web client to conform to modern browser standards. In Internet Explorer, this means that the client will no longer require .NET controls to load on the client, and thus the client setup becomes simpler. In Firefox, this means that the user will not be required to authorize any extensions to load. In order to conform to browser standard, the previous available functionality related to the disk access from client JavaScript was limited. Aras Support’s Upgrade Engineers will work with Subscribers to identify any such obsolete code during upgrade.

Performance Improvements in Internet Explorer

Aras Innovator 11.0 SP8 includes targeted performance improvements for common tasks such as opening item windows and showing large data structures in Internet Explorer. These performance improvements were achieved by:

- Implementing more asynchronous calls – Aras streamlined the communication between client and server by replacing sequential calls with asynchronous ones, resulting in reduced bottlenecks.
- Decreasing number of total calls to the server – Aras reduced the number of calls from the client to the server to improve performance and free up more network resources.
- Minimizing calls between item windows – Aras minimized calls between item windows and the main Aras Innovator window.
- Improved overall code efficiency – Aras modified the core code to make data and logic processing more efficient.

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3.3.2 Issues Fixed in Aras Innovator 11.0 SP8

Table 6: Framework

Issue #	Description
039318, 024281	Eliminated the requirement to install the Aras Firefox Extension, allowing the client to run with no add-ons.
039319	Eliminated the requirement for .NET security policies to use the client in Internet Explorer
026362	Improved performance when adding Items to an ItemType with a large class structure.
031791	Enhanced vault to allow client code to capture error returned by Vault Server.
032273	Eliminated error on login when displaying the default entry in the TOC.
031594, 033277, 034495, 043337	Improved client grid to allow deselecting highlighted rows.
037847	Fixed error that can prevent Export to Excel from working in Firefox.
038801, 036049	Fixed error that can occur when opening Aras Innovator via a StartItem link in Firefox.
038958	Fixed errors that can occur uploading files in Firefox
040341, 041614	Removed Aras Innovator copy/paste functionality in text editing replacing it with client side browser compatible copy/paste functionality.
042049	Enhanced vault server to allow vault to understand session context for language.
040394	Eliminated the limit of 2GB when uploading files to the vault using the Chrome browser.
038263, 041274, 042630, 041954, 041955, 041956, 044506	Improved performance opening tear-off window in Internet Explorer.
042489	Fixed error that could cause Notifications with “acknowledge once” option to appear more than once per user.

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Issue #	Description
043342	Fixed error that could prevent some File Items from being indexed in Enterprise Search.
042433	Introduced support for Microsoft SQL Server 2016
041691	Updated DOJO framework to version 1.9.8
044089	Introduced support Windows 10 Anniversary Edition
040149	Fixed error that could prevent a user to from selecting the “Return to Innovator” option in the “Unsaved Items” dialog.
042538	Eliminated error that could prevent the toolbar from refreshing for Life Cycle Map editor on first save of a new Life Cycle Map.
044408	The use of CCO.Session in a Post Method on a Life Cycle Transition has been deprecated.
043321	The following APIs have been removed because they are no longer compatible with a client running without extensions: • Aras.prototype.checkinFile • Aras.prototype.checkoutFiles • Aras.prototype.undoCheckOut • Aras.prototype.assignEventhandlerToControl • Aras.prototype.removeEventhandlerFromControl • Aras.prototype.downloadPhysicalFileAs • Aras.prototype.downloadPhysicalFile • Aras.prototype.downloadPhysicalFileTo • Aras.prototype.setFileNameInVaultWithPathCheck • Aras.prototype.getWorkingDir • BrowserHelper.prototype.getFullPath • BrowserHelper.prototype.isReadyForInit • BrowserHelperCommon.prototype.hidePanels • BrowserHelper.prototype.createNativeVault • Aras.prototype.ShowSplashScreen • Aras.prototype.openedWindowsHandler • Aras.prototype.checkinFile • Aras.prototype.checkoutFiles • Aras.prototype.undoCheckOut • Aras.prototype.assignEventhandlerToControl • jToolbarX class • BaseDialog class (Use ArasModules.Dialog for pop-up dialogs.) • BaseModalDialog class • FileSystemObject class

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Issue #	Description
	The following APIs have been changed because they are incompatible with a client running without extensions: • Aras.prototype.saveString2File has had the last parameters “showSaveAsDialog” and “quite” removed The following APIs have been deprecated and will now throw an exception because the client cannot support these vault actions through native Javascript. • Vault.prototype.mkDir • Vault.prototype.deleteFile • Vault.prototype.downloadFileAndExecute • Vault.prototype.getWorkingDir • Vault.prototype.getOS • Vault.prototype.urlDecode • Vault.prototype.urlEncode • Vault.prototype.fileCreateWithSaveAsDialog • Vault.prototype.fileExists • Vault.prototype.directoryExists • Vault.prototype.getParentDir • Vault.prototype.setWorkingDir • Vault.prototype.setFileName • Vault.prototype.selectSavePath • Vault.prototype.selectFolder • Vault.prototype.addFileToDownloadList • Vault.prototype.sendFile • Vault.prototype.downloadFiles • Vault.prototype.clearDownloadList • Vault.prototype.fileCreate • Vault.prototype.fileOpenAppend • Vault.prototype.fileOpenWrite • Vault.prototype.fileWriteLine • Vault.prototype.fileClose • Vault.prototype.writeText • Vault.prototype.setFileFieldName • Vault.prototype.getFileFieldName

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3.3.3 Known Issues in Aras Innovator 11.0 SP8

Table 7: Framework

Issue #	Description	Workaround
006830	Cannot change a text property from “not required” to “required”.	A workaround has been provided in the on-line help of Innovator.
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 resolving the vault URL, 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 Innovator. Please contact Aras support if you are having difficulty with a new feature.
021945	Baseline versioning discipline on Part BOM is not compatible with the Impact Matrix.	
021946	Baseline versioning discipline on Part BOM is not compatible with the 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 to all radio boxes and check boxes.	
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	

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Issue #	Description	Workaround
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.	Manually define the web service in a text file outside of the Aras Innovator user interface.
026538	The “Sort Across Pages” does not work in the main grid.	Increase page size in the search criteria.
037759	Self-Service Reports can fail to display color list, color, Boolean, and image properties correctly if the ItemType was created after Self-Service Reporting is initialized on the server.	The “Aras SelfServiceReporting AppPool ASP.NET 4.0” application pool will need to be restarted on the server.
038043	The Microsoft Edge browser is not supported on Windows 10	Use supported Internet Explorer, FireFox or Chome browser. Please see Aras Innovator - Platform Specifications for supported platform.
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 assistance in upgrading the existing reports.
040046	Items of type “Change Discussion Definition” should not be imported as part of package AML. These Items are created automatically by the system.	Remove “Change Discussion Definition” Items from the AML packages
024443, 033559	The standard integration with Microsoft SharePoint is not certified for use with Aras Innovator.	
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 File Selectors must be updated manually in order to view TIFF and BMP formats.

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Issue #	Description	Workaround
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.
043866	The a content modeling framework can fail to create binding elements due to a script error on the client	Administrator will need to correct the data on the server via direct AML
044322	Technical documentation framework can fail to refresh all nodes after performing a delete from text.	Save, Unlock, and Close after editing text.
043994	Technical documentation framework filtering can hide wrong nodes.	
043668	Content modeling framework can fail to show editor in Chrome browser	Use Internet Explorer or FireFox browser.
044803	A failure to calculate the timestamp when digitally signing a Workflow Activity Vote with a Windows Authenticated password can cause the vote to fail. If this error occurs the Activity will complete the vote without a digital signature.	Use E-signature for signing on a Workflow Activity Vote.

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3.4 Version 11.0 SP7

3.4.1 Enhancements in Aras Innovator 11.0 SP7

Visual Collaboration Enhancements

Aras Innovator 11.0 SP7 contains the largest set of enhancements to Visual Collaboration since its introduction in Aras Innovator 11.0. The following new features are now available:

- Notifications – Users can now receive notifications of new comments based on what they are following in their My Discussions bookmarks. Notifications can be either directly in the Aras web client, as an email on every comment, or as an email digest on a regular basis. Users can choose which of these (some or all) they wish to receive.
- Message Visibility Control – A new "Share with" selector on comments allows the user to set the scope of visibility of a comment to a specific Aras Identity, which can be either a group or a person. This has the effect of limiting who can see the comment to those belonging to the Identity, in combination with those with Get access to the item. Administrators can optionally set a default "Share with" identity per ItemType.
- Improved Usability – Usability of Visual Collaboration has been improved in many respects, such as the addition of an easy-to-use type-ahead selector for following people.
- New "Attach" options – Users can now create a sketch to attach to their comment, or select an existing picture from local disk, create markup on it, and attach to their comment.
- Advanced Image Viewer – This new viewer type supports viewing file types TIFF and BMP, with all functionality of the PDF viewer including advanced functions like image comparison and measurement.
- Highlight Text markup – A new type of markup allows the user to select text within a PDF file, and then pastes that text into the Comment box for edit.
- Download and Print – User can now either download or display a printable view of the file in the viewer. The same is possible for the current markup snapshot in markup mode.
- Actions Menu – A new Actions menu is added to every message in the discussion thread, to allow actions on the context item of the message.
- Configurable Toolbars – Both the basic and standard toolbars in all viewers are now configurable using Command Bar modeling, meaning that administrators can restrict access to specific commands based on both Identity of the user and Classification of the item.

Enterprise Search

Enterprise Search now makes it even easier for users to quickly find information in PLM. It provides the ability to perform keyword / full text search across various Item Types such as Parts, Documents, ECOs, their Related Items and content in their associated Files at once. Users see results that they have access privileges to and can filter by properties to fine tune their search. Aras Enterprise Search can be easily configured to include any custom Item Types, their Related Items, Files and properties.

3.4.2 Issues Fixed in Aras Innovator 11.0 SP7

Table 8: Framework

Issue #	Description
040076	Export to Excel feature is now functional in Chrome

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Issue #	Description
036690, 038653	Fixed issue that could prevent the use of AML to rename a File when the filename contains non-Alphanumeric characters.
040880	Fixed error that can prevent the initial viewing of an Item using a “StartItem” URL.
034506	Improved context menu in the main search grid to allow copy/paste menu options to appear when selecting a search criteria field.
037684	Improved opening of tear-off window when action “View” is recoded in Item History.
036673, 036712, 035645	Fixed error that could prevent Self Service Reporting from displaying results when the feature is installed to a non-default website in IIS.
040936	Fixed issue that could prevent format changes from being applied in the formatted text editor on Internet Explorer 11.
040481	Improved the Activity Template form layout for compatibility with localization requirements.
038491, 040208, 037015	Improvements to Self Service Reporting editor
032418, 039891	Eliminated error that can prevent files from properly downloading in Firefox when the filename has kanji characters.
039403	Introduced the ability to execute a search by pressing the “Enter” key in the search criteria field of the Advanced Search mode. Previously, the ability to execute search in such a way was only available from the Simple Search mode.
034888	Improved the user interface to allow the display of decimal properties that would otherwise be truncated by the DOJO framework.
039691	Improved method editor process for evaluating large JavaScript files.
036577	Fixed issue that could cause the copyAsNew action to fail in method code when the code is executed against an Item with a File that is not located in the “Default” vault.
033927, 040152	Introduced support for viewing file types TIFF and BMP with all functionality of the PDF viewer available including advanced functions like image comparison and measurement in Visual Collaboration.
040924, 040925, 040926, 040918, 040917, 040927,	Improvements to Visual Collaboration user interface

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Issue #	Description
040920, 040915	
036433, 037778	Visual Collaboration has been enhanced to allow users to receive notifications of new comments based on what they are following in their My Discussions bookmarks.
039194	Enhanced installation process of Aras Innovator to improve Federal Information Processing Standard compliance
040915	Enhanced the Visual Collaboration feature to control visibility of secure messages outside the context of the originating Item.
036139	Introduced the Enterprise Search feature.

Table 9: Product Engineering

Issue #	Description
041056, 040347	Improved “Add Item(s) to change” functionality for better compatibility with Chrome browser.

3.4.3 Known Issues in Aras Innovator 11.0 SP7

Table 10: Framework

Issue #	Description	Workaround
006830	Cannot change a text property from “not required” to “required”.	A workaround has been provided in the on-line help of Innovator.
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 resolving the vault URL, 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 Innovator. Please contact Aras support if you are having difficulty with a new feature.
021945	Baseline versioning discipline on Part BOM is not compatible with the Impact Matrix.	

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Issue #	Description	Workaround
021946	Baseline versioning discipline on Part BOM is not compatible with the 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 to all radio boxes and check boxes.	
023879	The functionality outlined in the Aras Innovator - Login Security document is not certified for use with Aras Innovator	
024281	The FireFox XPI extension can fail to install over HTTPS if the website certificate is not from a trusted certificate authority.	Do not use self-signed certificates.
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.	Manually define the web service in a text file outside of the Aras Innovator user interface.
026538	The “Sort Across Pages” does not work in the main grid.	Increase page size in the search criteria.
037759	Self-Service Reports can fail to display color list, color, Boolean, and image properties correctly if the ItemType was created after Self-Service Reporting is initialized on the server.	The “Aras SelfServiceReporting AppPool ASP.NET 4.0” application pool will need to be restarted on the server.
038043	The Microsoft Edge browser is not supported on Windows 10	Use supported Internet Explorer, FireFox or Chome browser. Please see Aras Innovator - Platform Specifications for supported platform.

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Issue #	Description	Workaround
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 assistance in upgrading the existing reports.
040046	Items of type “Change Discussion Definition” should not be imported as part of package AML. These Items are created automatically by the system.	Remove “Change Discussion Definition” Items from the AML packages
040149	The “Unsaved Items” dialog does not allow the user to use the “Return to Innovator” option.	
024443, 033559	The standard integration with Microsoft SharePoint is not certified for use with Aras Innovator.	
040394	The Chrome browser has a limit of 2GB when uploading files to the vault.	Use Firefox or Internet Explorer
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 File Selectors must be updated manually in order to view TIFF and BMP formats.
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.
042538	Toolbar can fail to refresh for Life Cycle Map editor on first save of a new Life Cycle Map.	Close the window and reopen the Life Cycle Map after the save.
042489	Notifications with “acknowledge once” option flagged can appear more than once per user.	

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3.5 Version 11.0 SP6

3.5.1 Enhancements in Aras Innovator 11.0 SP6

Chrome Browser Support

Introduced support for the Google Chrome browser on the client.

Support for Large Files

Files of any size can now be stored in Aras Innovator.

Improved File controls

The control which allows the user to select or drag-and-drop a file has been enhanced to indicate when the file is selected but not yet saved. The usability of the Manage File dialog has also been improved.

New Content Modeling Framework (CMF) administration

Editing of the CMF “Content Type” ItemType and related ItemTypes is improved by combining all editing within a single tree-based window.

Menus, Toolbars, and Shortcuts defined with Command Bar modeling

Menus, context menus, and toolbars for both the main window and tear-off windows, as well as all shortcut keys, are now defined using the Command Bar modeling capability. This means that all these user interface features are now configurable, including by Identity and Item Classification.

New toolbars and menu in Visual Collaboration viewers

When using any of the Visual Collaboration viewers, users now have the ability to switch between the basic “floating” toolbar and new standard toolbars. The basic toolbar now contains only basic functions for casual users, while the standard toolbars contain all functions. The standard toolbar is configurable based on Command Bar modeling, including by Identity. A new Viewer menu is now present when using any of the viewers, which includes specialized functions and a new Preferences dialog. Preferences allows setting a custom PDF viewer resolution, to match exact sizing to a printed PDF page.

3.5.2 Issues Fixed in Aras Innovator 11.0 SP6

Table 11: Framework

Issue #	Description
030851	Fixed error that can cause the History Container window to fail to load correctly.
032874	Introduce support for the Google Chrome browser on Windows and Mac
032994	Fixed error that can cause labels on CAD documents to lose whitespace in Visual Collaboration view.

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Issue #	Description
035005	Introduced administrative interface for the content modelling framework.
037107	Introduced new PDF viewer for use with Firefox and Chrome when viewing files in the Visual Collaboration feature.
028722, 032512, 033714	Fixed error that can cause the Where Used dialog to load behind the Item Window.
033444, 030724, 037661	Introduced new “Manage File” dialog in the client UI for accessing files in Aras Innovator.
037105, 037106, 037112	Enhanced toolbars and menus for Visual Collaboration to allow changes using a preference model.
034919, 034920, 036304, 036441	Extended capabilities of the configurable user interface to allow changes to toolbars and menu bars in the main and item wndows.
021137, 024707, 036679, 034316, 038261	Introduced the ability to upload files larger than 2GB to the vault using Internet Explorer or Firefox. Chrome is still limited to a maximum upload size of 2 GB.

Table 12: Tools and Utilities

Issue #	Description
031623	Improved Aras CAD to PDF Converter

3.5.3 Known Issues in Aras Innovator 11.0 SP6

Table 13: Framework

Issue #	Description	Workaround
006830	Cannot change a text property from “not required” to “required”.	A workaround has been provided in the on-line help of Innovator.

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Issue #	Description	Workaround
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 resolving the vault URL, 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 Innovator. Please contact Aras support if you are having difficulty with a new feature.
021945	Baseline versioning discipline on Part BOM is not compatible with the Impact Matrix.	
021946	Baseline versioning discipline on Part BOM is not compatible with the 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 to all radio boxes and check boxes.	
023879	The functionality outlined in the Aras Innovator - Login Security document is not certified for use with Aras Innovator	
024281	The FireFox XPI extension can fail to install over HTTPS if the website certificate is not from a trusted certificate authority.	Do not use self-signed certificates.
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.	Manually define the web service in a text file outside of the Aras Innovator user interface.

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Issue #	Description	Workaround
026538	The “Sort Across Pages” does not work in the main grid.	Increase page size in the search criteria.
037759	Self-Service Reports can fail to display color list, color, Boolean, and image properties correctly if the ItemType was created after Self-Service Reporting is initialized on the server.	The “Aras SelfServiceReporting AppPool ASP.NET 4.0” application pool will need to be restarted on the server.
038043	The Microsoft Edge browser is not supported on Windows 10	Use supported Internet Explorer or FireFox browser. Please see Aras Innovator - Platform Specifications for supported platform.
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 assistance in upgrading the existing reports.
040046	Items of type “Change Discussion Definition” should not be imported as part of package AML. These Items are created automatically by the system.	Remove “Change Discussion Definition” Items from the AML packages
040076	Export to Excel feature is not functional in Chrome	Use Internet Explorer or Firefox on the client.
040149	The “Unsaved Items” dialog does not allow the user to use the “Return to Innovator” option.	
024443, 033559	The standard integration with Microsoft SharePoint is not certified for use with Aras Innovator.	
040394	The Chrome browser has a limit of 2GB when uploading files to the vault.	Use Firefox or Internet Explorer

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3.6 Version 11.0 SP5

3.6.1 Enhancements in Aras Innovator 11.0 SP5

Windows 10

Introduced support for Windows 10 as a client operating system, supporting both Internet Explorer 11 and Firefox 38 ESR browsers.

Content Modeling Framework

Content Modeling Framework (CMF) is a new modeling framework that is used to create tabular (Excel-like) documents based on a hierarchical data model of elements that represent the cells in the document. These document elements have configurable data typing and data entry options, and can be optionally mapped to PLM business items, providing the ability to notify the document editor when there are changes to the mapped items. CMF is used as the basis of the Design Quality Document and Process Quality Document editors that are provided in the new Quality Management System (QMS) application.

Command Bar Modeling

Command Bar Modeling is a new administrator capability that supports modeling of toolbars, sidebars, menus, and shortcut keys. Command bars are modeled as Items and configured by designated Identities. This new modeling capability is used within Aras Innovator 11.0 SP5 to make the sidebar and new secondary (content-specific) toolbars and will be extended to support all toolbars and menus in a later release.

Usability and Styling Updates

A few improvements have been made to the behavior and styling of Aras Innovator windows:

- The sidebar (the vertical stripe on the left side of the window) is extended to show new content types, including quality document editor and technical document editor.
- The concept of secondary (content-specific) toolbars is introduced, which provides a second toolbar for commands related to the selected content type, in addition to the main toolbar which provides commands that affect the item overall. For example, this is used by the new quality document editor and technical document editor for specific editing commands.
- All content types, as selected by the sidebar icons, now make use of the full window height. For example, when switching from the Form view to a viewer, it is no longer necessary to minimize the tabs to use the full window.
- The sidebar and discussion panel now extend to the full window height, on the left and right side respectively.
- A new standard “Show Form” icon is displayed at the top of the sidebar to select the Form view, rather than the item’s ItemType icon.
- The “Show Discussion Panel” button has moved off of the sidebar to a location on the right side of the window, near where the discussion panel is displayed.
- Styling of the discussion panel has changed slightly, and now uses the ItemType’s standard icon for each comment.

Admin note: As a result of these styling changes, it is no longer necessary to define the “Secondary Icon” for an ItemType in order to support proper icon behavior with Visual Collaboration.

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3.6.2 Issues Fixed in Aras Innovator 11.0 SP5

Table 14: Framework

Issue #	Description
026911	Improved how user interface tracks changes on multi-level null relationships associated with a top level versionable ItemType.
031325	Introduced the technical documentation framework. The technical documentation framework is the architecture used to develop interfaces like those used in the Technical Documentation solution.
033395	Fixed error that could cause Notifications with **Acknowledge Once** option enabled to appear repeatedly.
034985	Introduced the content modelling framework. The content modelling framework is the architecture used to develop multi-ItemType interfaces like those used in the Quality Management Systems solution.
036138	Introduced support for Internet Explorer 11 and Firefox 38 ESR on the Windows 10 client operating system.
036175	Fixed error that could prevent a Self-Service Report from saving if a single quote or apostrophe (‘) used in the name of a Self-Service Report.
036869	Improved support for properties of data type Image in Self-Service Reports
038513	Certified Mac OS X 10.11 (El Capitan) client for use with Firefox 38 ESR on the client
036041, 035142	Eliminated error that could prevent a Saved Search from loading in the InBasket.
035007, 036089, 036090, 036088	Introduced publishing services for use with the content modelling framework and technical documentation framework.

3.6.3 Known Issues in Aras Innovator 11.0 SP5

Table 15: Framework

Issue #	Description	Workaround
006830	Cannot change a text property from “not required” to “required”.	A workaround has been provided in the on-line help of Innovator.

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Issue #	Description	Workaround
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 resolving the vault URL, 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 Innovator. Please contact Aras support if you are having difficulty with a new feature.
021945	Baseline versioning discipline on Part BOM is not compatible with the Impact Matrix.	
021946	Baseline versioning discipline on Part BOM is not compatible with the 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 to all radio boxes and check boxes.	
023879	The functionality outlined in the *Aras Innovator - Login Security* document is not certified for use with Aras Innovator	
024281	The FireFox XPI extension can fail to install over HTTPS if the website certificate is not from a trusted certificate authority.	Do not use self-signed certificates.
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.	Manually define the web service in a text file outside of the Aras Innovator user interface.
024443, 033559	The standard integration with Microsoft SharePoint is not certified for use with Aras Innovator.	

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Issue #	Description	Workaround
026538	The “Sort Across Pages” does not work in the main grid.	Increase page size in the search criteria.
038043	The Microsoft Edge browser is not supported on Windows 10	Use supported Internet Explorer or FireFox browser. Please see *Aras Innovator - Platform Specifications* for supported platform.
037759	Self-Service Reports can fail to display color list, color, Boolean, and image properties correctly if the ItemType was created after Self-Service Reporting is initialized on the server.	The “Aras SelfServiceReporting AppPool ASP.NET 4.0” application pool will need to be restarted on the server.
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 assistance in upgrading the existing reports.

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3.7 Version 11.0 SP4

3.7.1 Enhancements in Aras Innovator 11.0 SP4

Firefox 38 ESR

Introduced support for Firefox 38 ESR on the client.

Visual Collaboration Viewer Enhancements

A number of new features have been added to the viewers that are built into Visual Collaboration

- The PDF viewer now supports the ability to selectively turn on and off graphical content based on layers
- The PDF viewer now provides the ability to measure between two points. This includes the ability to set the document scale, such as is commonly used on engineering drawings. Measurements can be recorded by posting as visual collaboration comments.
- The PDF viewer supports the ability to compare two files, for example two drawings or two graphics designs. The comparison can be performed on either two versions of the same file, or two separate files. The comparison viewer allows the user to toggle between the two files and also show a graphical difference view which highlights where the file differ.
- A “Zoom Window” command has been added to the PDF and Image viewers, to enable rapid zooming to a location in the file
- The ability to toggle between pan mode and select text mode is added to the PDF viewer
- Viewer toolbars and palettes have been restructured for easier operation, and the active set of palettes is retained from one viewing session to the next.

Agent Service

The Agent Service monitors the vault replication and conversion server queues to initiate tasks. The service replaces the previous IIS thread process that ran in the Innovator Server. By externalizing the monitoring of these queues from the Innovator Server the Agent Service can operate independently of a high availability or failover array hosting the Innovator Server.

3.7.2 Issues Fixed in Aras Innovator 11.0 SP4

Table 16: Framework

Issue #	Description
032213	Introduced support for Firefox 38 ESR on the client in in addition to support for Firefox 31 ESR.
033447, 031717	FireFox and Internet Explorer can interpret a carriage return as different text character. To prevent inconsistent data entry, the UI has been altered to force the use of a common text character on save to the database.
030564, 035396	Introduced new Agent Service feature.
033562	Fixed scenario that could cause user session to disconnect in high scale server use scenario.

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Issue #	Description
034256	Fixed issue that could cause Print to show incorrectly mapped characters in Japanese.
035011	Introduce the “Promote” ItemType events. These events are separate from the Life Cycle Map and are defined on the ItemType level. These events will be triggered for every Promote of the Item, and not just during a single transaction.
034612	Introduced the ability to add the same property to a Self-Service Reporting report multiple times through the standard UI.
032421	Introduced advanced PDF viewer capabilities that include layer control, measurement, and comparison.
032430	Improved the usability of the View and Markup toolbars and pallets.
032767	Improved security of video and audio files attached to secure messages in Visual Collaboration.
033939	Enabled creation of sub reports via drill down functionality in Self-Service Reporting
034340	Eliminated issue that could prevent creation of reports in Self-Service Reporting based on multi-level structures.
034466	Eliminated issue with stale report result in Self-Service Reporting
034497	Enabled full usage of the “Allow Nulls” option in Self-Service Reporting
034726	Enabled opening of Report for edit from report menu in Self-Service Reporting
034745	Improved behavior of excluded properties flag in Self-Service Reporting
034731	Eliminated issue that could prevent creation of reports in Self-Service Reporting based on recursive structures.
034763	Implemented paging in report runner user interface of Self-Service Reporting

3.7.3 Known Issues in Aras Innovator 11.0 SP4

Table 17: Framework

Issue #	Description	Workaround
006830	Cannot change a text property from “not required” to “required”.	A workaround has been provided in the on-line help of Innovator.

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Issue #	Description	Workaround
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 resolving the vault URL, 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 Innovator. Please contact Aras support if you are having difficulty with a new feature.
021945	Baseline versioning discipline on Part BOM is not compatible with the Impact Matrix.	
021946	Baseline versioning discipline on Part BOM is not compatible with the 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 to all radio boxes and check boxes.	
023879	The functionality outlined in the *Aras Innovator - Login Security* document is not certified for use with Aras Innovator	
024281	The FireFox XPI extension can fail to install over HTTPS if the website certificate is not from a trusted certificate authority.	Do not use self-signed certificates.
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.	Manually define the web service in a text file outside of the Aras Innovator user interface.
024443	The standard integration with Microsoft SharePoint is not certified for use with Aras Innovator.	

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Issue #	Description	Workaround
026538	The “Sort Across Pages” does not work in the main grid.	Increase page size in the search criteria.
030989	The main grid can fail to load when a metadata cache query fails. This query can fail if any Identity has a double quote character (") in the “name” property.	Remove all double quote characters (") from the “name” property on Identities.
033395	The **Acknowledge Once** option for Popup Notification does not work. Notification continue to pop up for users even after they have been acknowledged.	
036175	A single quote or apostrophe (‘) used in the name of a Self-Service Report can cause the report to fail to be created on save.	Do not use a single quote or apostrophe (‘) in the report name. If the report has already been created, delete the report and recreate with a new name.

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3.8 Version 11.0 SP3

3.8.1 Enhancements in Aras Innovator 11.0 SP3

Self-Service Reporting

Self-Service Reporting is a new capability within the Aras Innovator platform that enables all users to create, save, run and share reports on the Items they have access to. Users can build charts and graphs into the reports, perform aggregation functions such as Count, Group, Minimum and Maximum, group data visually, and other common reporting functions using a easy to use wizard driven interface. Users can only see the data they have permission to and export the reports to various formats.

3.8.2 Issues Fixed in Aras Innovator 11.0 SP3

Table 18: Framework

Issue #	Description
026510	Improved support for CAD connectors by allowing the File Type of a File Item to be determined by the filename property, rather than the actual_filename as it was done previously.
029181	Introduced Grid.setRowIcons(...) into the public API for adding icons using the TreeGrid control.
029887	Introduced refresh button to the Bookmarks panel.
030082	Fixed error in the user interface control that could prevent gridDoubleClick event from working.
031317	Introduced self-service reporting feature.
031418	Improved the Life Cycle Map dialog opened in context of an Item to allow voting from FireFox.
031789	Fixed backwards compatibility in context data for Methods executed in the “GetKeyedName” event.
032311	Fixed error that could cause the context menu to close automatically when opened from the table of contents.
032607	Improved user interface of the dialog used when deleting Items to treat forcing the dialog to close as a cancelling of the delete action.
033318, 032529, 027536	Fixed error that could prevent the editing of Life Cycle Maps or Workflow Maps in using Internet Explorer 11.
032277, 031386, 030849	Fixed condition preventing class specific Properties of type List from displaying correctly in the Parameters grid.

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Issue #	Description
033795, 033793, 033790, 030631	Improvements to the Method Editor user interface

Table 19: Tools and Utilities

Issue #	Description
032601	Improve Package Export Import utilities handling of discussion templates.

3.8.3 Known Issues in Aras Innovator 11.0 SP3

Table 20: Framework

Issue #	Description	Workaround
006830	Cannot change a text property from “not required” to “required”.	A workaround has been provided in the on-line help of Innovator.
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 resolving the vault URL, please contact Aras support.
009389	Items left locked after manual versioning. This can result in inconsistent vaulted data during check-out/check-in of files from a property of type Item with source File.	If you intend to edit File properties of a manually-created version, always unlock the version first, then lock it again and proceed with editing.
011985	On-line help is incomplete	Not all new features in Aras Innovator have been documented in the on-line help section of Innovator. Please contact Aras support if you are having difficulty with a new feature.
021945	Baseline versioning discipline on Part BOM is not compatible with the Impact Matrix.	
021946	Baseline versioning discipline on Part BOM is not compatible with the multi-Level BOM Structure relationship	

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Issue #	Description	Workaround
023511	The OnBlur and OnFocus events are not fired for properties of type Boolean when using FireFox on the client. This applies to all radio boxes and check boxes.	
023879	The functionality outlined in the *Aras Innovator - Login Security* document is not certified for use with Aras Innovator	
024281	The FireFox XPI extension can fail to install over HTTPS if the website certificate is not from a trusted certificate authority.	Do not use self-signed certificates.
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.	Manually define the web service in a text file outside of the Aras Innovator user interface.
024443	The standard integration with Microsoft SharePoint is not certified for use with Aras Innovator.	
026538	The “Sort Across Pages” does not work in the main grid.	Increase page size in the search criteria.
030989	The main grid can fail to load when a metadata cache query fails. This query can fail if any Identity has a double quote character (") in the “name” property.	Remove all double quote characters (") from the “name” property on Identities.
033395	The **Acknowledge Once** option for Popup Notification does not work. Notification continue to pop up for users even after they have been acknowledged.	

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3.9 Version 11.0 SP2

3.9.1 Enhancements in Aras Innovator 11.0 SP2

Drag and Drop

Introduced the ability to drag files from the client computer to the Aras Innovator client fields and relationship grids.

3.9.2 Issues Fixed in Aras Innovator 11.0 SP2

Table 21: Framework

Issue #	Description
023193, 031231, 031232, 031233, 031235, 031236, 030627, 029622	Introduced new drag and drop feature for checking files into the vault through the relationship girds and form fields of the Aras Innovator client.
031491	Fixed condition that could prevent editing of the label annotation in visual collaboration.
032098, 032240	Introduced the printing ability for the Gantt view of the project tree. The Gantt chart itself will mimic the functionality of the previous releases. All of the Gantt chart frame will be printed. The Project Tree frame will print all rows, but only the columns visible in the user interface will be printed.
031620	Introduced the ability to configure the type of output files produced by Aras CAD to PDF converter as a result of executing a conversion task.

3.9.3 Known Issues in Aras Innovator 11.0 SP2

Table 22: Framework

Issue #	Description	Workaround
006830	Cannot change a text property from “not required” to “required”.	A workaround has been provided in the on-line help of Innovator.
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 resolving the vault URL, please contact Aras support.

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Issue #	Description	Workaround
009389	Items left locked after manual versioning. This can result in inconsistent vaulted data during check-out/check-in of files from a property of type Item with source File.	If you intend to edit File properties of a manually-created version, always unlock the version first, then lock it again and proceed with editing.
011985	On-line help is incomplete	Not all new features in Aras Innovator have been documented in the on-line help section of Innovator. Please contact Aras support if you are having difficulty with a new feature.
021945	Baseline versioning discipline on Part BOM is not compatible with the Impact Matrix.	
021946	Baseline versioning discipline on Part BOM is not compatible with the 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 to all radio boxes and check boxes.	
023879	The functionality outlined in the *Aras Innovator - Login Security* document is not certified for use with Aras Innovator	
024281	The FireFox XPI extension can fail to install over HTTPS if the website certificate is not from a trusted certificate authority.	Do not use self-signed certificates.
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.	Manually define the web service in a text file outside of the Aras Innovator user interface.

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Issue #	Description	Workaround
024443	The standard integration with Microsoft SharePoint is not certified for use with Aras Innovator.	
026538	The “Sort Across Pages” does not work in the main grid.	Increase page size in the search criteria.
030989	The main grid can fail to load when a metadata cache query fails. This query can fail if any Identity has a double quote character (") in the “name” property.	Remove all double quote characters (") from the “name” property on Identities.

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3.10 Version 11.0 SP1

3.10.1 Enhancements in Aras Innovator 11.0 SP1

Improved Visual Collaboration

The Visual Collaboration feature has been improved based on usability feedback from Subscribers and internal testing. The user interface has been enhanced to provide better consistency when changing viewing modes and following links to Items. The secure messages have had data model improvements made for the management of these Items on the server level.

Improved File Handling

The File handling interface has been improved to have better backwards compatibility based on the expectations of users modifying files from the User Interface. In addition, the history tracking mechanism has been enhanced to allow tracking of the File history from the container.

3.10.2 Issues Fixed in Aras Innovator 11.0 SP1

Table 23: Framework

Issue #	Description
031058	Introduced public JavaScript APIs for use with the rich text editor.
031296	Updated the “Manage File” dialog for use with RelationshipTypes having the “Create Only” option selected. In Aras Innovator 10.0, it was possible to overwrite a File in such relationships through the special handling related to Files. In Aras Innovator 11.0, this ability was lost in this scenario because of the changes to the File handling user interface. In Aras Innovator 11.0 SP1, the “Manage File” dialog will allow the File to be overwritten in this scenario, mimicking the user interface behavior found in previous versions of Aras Innovator.
010026	Updates to Just Ask Innovator to remove obsolete content.
031443	Improved the CopyAsNew action to perform additional permission checks when copying Items and the associated relationship Items.
030500	Fixed error that caused onChange event not trigger for Fields for of type File.
031238	Fixed issue that can cause the configuration files for the Conversion Server to install incorrectly when Japanese language pack selected in the installer.
030856	History tracking of ItemTypes with properties of type Item and data source File has been enhanced for better compatibility with the new file handling mechanisms. • A new optional History Template has been added to the database for use with tracking File history. This can be used to enhance history of the container ItemType like CAD to track specific actions of the File such as ‘Add’ or ‘Download/View’ of the file.

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Issue #	Description
	• The “Manage File” dialog has been updated to allow the user to access the history of the selected File Item. • The “Track History” option should be selected on the properties of type Item and data source File to track the history of the property value when enabling History on the File ItemType • History tracking has been enhanced for all properties with “Track History” enabled to record the initial value set on Add of the Item.
026666, 026770, 030590, 027308, 028815, 030539, 030027, 028744	Improvements to secure message management and general enhancements to the Visual Collaboration interface based on usability test results.

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3.10.3 Known Issues in Aras Innovator 11.0 SP1

Table 24: Framework

Issue #	Description	Workaround
006830	Cannot change a text property from “not required” to “required”.	A workaround has been provided in the on-line help of Innovator.
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 resolving the vault URL, please contact Aras support.
009389	Items left locked after manual versioning. This can result in inconsistent vaulted data during check-out/check-in of files from a property of type Item with source File.	If you intend to edit File properties of a manually-created version, always unlock the version first, then lock it again and proceed with editing.
011985	On-line help is incomplete	Not all new features in Aras Innovator have been documented in the on-line help section of Innovator. Please contact Aras support if you are having difficulty with a new feature.
021945	Baseline versioning discipline on Part BOM is not compatible with the Impact Matrix.	
021946	Baseline versioning discipline on Part BOM is not compatible with the multi-Level BOM Structure relationship	
023193	The ability to Drag and Drop files to and from relationship grids is not certified for use with Aras Innovator	Check-in and check-out the File Items using standard menu options.
023511	The OnBlur and OnFocus events are not fired for properties of type Boolean when using FireFox on the client. This applies to all radio boxes and check boxes.	
023879	The functionality outlined in the *Aras Innovator - Login Security* document is not certified for use with Aras Innovator	

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Issue #	Description	Workaround
022913, 022914, 021021, 018939	Printable View functionality is not certified for use with Aras Innovator	The functionality is available, but may have errors.
024281	The FireFox XPI extension can fail to install over HTTPS if the website certificate is not from a trusted certificate authority.	Do not use self-signed certificates.
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.	Manually define the web service in a text file outside of the Aras Innovator user interface.
024443	The standard integration with Microsoft SharePoint is not certified for use with Aras Innovator.	
026538	The “Sort Across Pages” does not work in the main grid.	Increase page size in the search criteria.
030989	The main grid can fail to load when a metadata cache query fails. This query can fail if any Identity has a double quote character (") in the “name” property.	Remove all double quote characters (") from the “name” property on Identities.

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3.11 Version 11

3.11.1 Enhancements in Aras Innovator 11.0

Visual Collaboration

A whole new dimension of communication is opened up with the introduction of Aras Visual Collaboration. Focused on the ability to easily view and comment on graphical file content, it provides security, control and context to your day-to-day product development discussions. It includes threaded discussions with comments and replies, configurable discussion forums, and the ability to easily view and graphically comment on all your file content, including 3D models, drawings, and Office documents. Powerful aggregation capability for files and comments pulls together the needed information where and when you need it.

Improved File Handling

Files now have a simple, consistent interface regardless of how they are accessed, whether from forms, relationship grids, or search grids. Files are now treated as primitives with no versioning on the file itself, all versioning is handled at the Item level.

Extended CAD Document File Capability

The CAD Document ItemType now has a Files tab to support management of arbitrary sets of files, which includes extensive built-in classification to support common MCAD and ECAD file use cases.

New Tab Controls

New tab controls, similar to familiar windows controls, allow the user to quickly change the tabs area in an item window to minimized, maximized, or normal state. The tab state can also be pre-set in the main View menu to control any windows opened in the future.

3.11.2 Enhancements in Aras Program Management 11.0R1

Improved editing of Project trees

The editing of Project trees has been enhanced based on customer feedback to be more intuitive, including such features as copy/paste and drag/drop of WBS and Activities.

Multiple in-line views

The project tree now has the ability to display in-line editable Item Details (for WBS and Activities) as well as an in-line Gantt view.

Ability to clone Projects and Templates

New standard functionality includes the ability to create projects from projects, templates from projects, templates from templates, and projects from templates in a server method.

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Project Templates can include Template Deliverables

It is now possible to attach template deliverable files to Project Templates, so that when a Project is created from a template, copies of the files are created and attached to the newly created Project as Deliverables.

3.11.3 Issues Fixed in Aras Innovator 11.0

Table 25: Framework

Issue #	Description
024005	Improved FormView History event to register Keyed Name of the Item.
016902	Improved Conversion Server error tracking and exception handling.
016992	Introduced new public JavaScript UI control APIs: • Item.setFileProperty (String propertyName, String pathToFile) Attaches physical file to the property of type 'Item' and datasource 'File'. Physical content of the file will be streamed to the server when Item.apply() is called on the item to which property belongs. • Item.fetchFileProperty (String propertyName, String targetPath, FetchFileMode mode) Fetches physical file from the item property to the specific path, which can be both folder path or full path. • replaceFile - server action Sample scenario:<Item type="File" id="A.ID" action="replaceFile" newId="B.ID" /> Finds references to the File 'A' and replaces them by references to the File 'B'.
022309, 022308	Improve Access to Item Forms.
025785	Removed is_cached property from ItemType as unnecessary.
027935	Implemented invocation of event handlers defined on polymorphic Item types by the events fired on Polysource items.
027827	Added support for EventData to the Internal Method interface.
028004	Implemented a new version of server events for more efficient processing of AML actions affecting multiple items.
031011	Introduced a new flag on events to ignore server_events=0 attribute and make the flagged event mandatory.
015325	Files now have a simple, consistent interface and are treated as primitives with no versioning on the file itself.

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Issue #	Description
015325	The CAD Document ItemType has an added Files tab to support management of arbitrary sets of files.
024002	Introduce Secure Social messaging capabilities within the Innovator framework.
024003	Provide Visual Collaboration features, including threaded discussions and integrated view and markup of 2D and 3D content.
028144	New tab controls allow setting the tab area to minimized, maximized, or normal state.
025335	Saved Search icons in TOC now include search glyph.
025457	Added activity type icons to MyInbasket grid.
026474	Introduced support for Firefox 31 ESR on the client
026473	Dropped support for Firefox 24 ESR on the client

Table 26: Product Engineering

Issue #	Description
026675	Improved the BOM Structure relationship grid to allow sorting by quantity
027646	Fixed error that could prevent the editing of BOM relationship properties in the Express ECO's Impact Matrix

Table 27: Program Management

Issue #	Description
022619	Prevented setting group identities as Project Activities' Leaders.
024003	Improve the editing of Project trees, including copy/paste and drag/drop of WBS and Activities.
025665	Ability to clone Projects and Project Templates.
025666	Support Project Templates with Template deliverables.
026108	The project tree now has the ability to display in-line editable Item details (for WBS and Activities) as well as an in-line Gantt view.
025892	Introduced support for direct type-in of date values in project tree grid
026087	The label on the project deliverable relationship is changed from "Documents" to "Deliverables"

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Table 28: Tools and Utilities

Issue #	Description
026241	Update 3D CAD to PDF converter to use version 2015 of HOOPS Communicator.
027864	Updated "Authoring Tools" list to include all major ECAD tools.

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3.11.4 Known Issues in Aras Innovator 11.0

Table 29: Framework

Issue #	Description	Workaround
006830	Cannot change a text property from “not required” to “required”.	A workaround has been provided in the on-line help of Innovator.
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 resolving the vault URL, please contact Aras support.
009389	Items left locked after manual versioning. This can result in inconsistent vaulted data during check-out/check-in of files from a property of type Item with source File.	If you intend to edit File properties of a manually-created version, always unlock the version first, then lock it again and proceed with editing.
011985	On-line help is incomplete	Not all new features in Aras Innovator have been documented in the on-line help section of Innovator. Please contact Aras support if you are having difficulty with a new feature.
021945	Baseline versioning discipline on Part BOM is not compatible with the Impact Matrix.	
021946	Baseline versioning discipline on Part BOM is not compatible with the multi-Level BOM Structure relationship	
023193	The ability to Drag and Drop files to and from relationship grids is not certified for use with Aras Innovator	Check-in and check-out the File Items using standard menu options.
023511	The OnBlur and OnFocus events are not fired for properties of type Boolean when using FireFox on the client. This applies to all radio boxes and check boxes.	
023879	The functionality outlined in the *Aras Innovator - Login Security* document is not certified for use with Aras Innovator	

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Issue #	Description	Workaround
022913, 022914, 021021, 018939	Printable View functionality is not certified for use with Aras Innovator	The functionality is available, but may have errors.
024281	The FireFox XPI extension can fail to install over HTTPS if the website certificate is not from a trusted certificate authority.	Do not use self-signed certificates.
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.	Manually define the web service in a text file outside of the Aras Innovator user interface.
024443	The standard integration with Microsoft SharePoint is not certified for use with Aras Innovator.	
030989	The main grid can fail to load when a metadata cache query fails. This query can fail if any Identity has a double quote character (") in the “name” property.	Remove all double quote characters (") from the “name” property on Identities.

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