

## **Enhancements in Version 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.

## Issues Fixed in Aras Innovator 11.0 SP8

Table 1: 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.
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.

Issue #	Description
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.
	<p>The following APIs have been removed because they are no longer compatible with a client running without extensions:</p> <ul style="list-style-type: none"> <li>• Aras.prototype.checkinFile</li> <li>• Aras.prototype.checkoutFiles</li> <li>• Aras.prototype.undoCheckOut</li> <li>• Aras.prototype.assignEventHandlerToControl</li> <li>• Aras.prototype.removeEventHandlerFromControl</li> <li>• Aras.prototype.downloadPhysicalFileAs</li> <li>• Aras.prototype.downloadPhysicalFile</li> <li>• Aras.prototype.downloadPhysicalFileTo</li> <li>• Aras.prototype.setFileNameInVaultWithPathCheck</li> <li>• Aras.prototype.getWorkingDir</li> <li>• BrowserHelper.prototype.getFullPath</li> <li>• BrowserHelper.prototype.isReadyForInit</li> <li>• BrowserHelperCommon.prototype.hidePanels</li> <li>• BrowserHelper.prototype.createNativeVault</li> <li>• Aras.prototype.ShowSplashScreen</li> <li>• Aras.prototype.openedWindowsHandler</li> <li>• Aras.prototype.checkinFile</li> <li>• Aras.prototype.checkoutFiles</li> <li>• Aras.prototype.undoCheckOut</li> <li>• Aras.prototype.assignEventHandlerToControl</li> <li>• jToolBarX class</li> <li>• BaseDialog class (Use ArasModules.Dialog for pop-up dialogs.)</li> <li>• BaseModalDialog class</li> <li>• FileSystemObject class</li> </ul> <p>The following APIs have been changed because they are incompatible with a client running without extensions:</p> <ul style="list-style-type: none"> <li>• Aras.prototype.saveString2File has had the last parameters “showSaveAsDialog” and “quite” removed</li> </ul> <p>The following APIs have been deprecated and will now throw an exception because the client cannot support these vault actions through native Javascript.</p> <ul style="list-style-type: none"> <li>• Vault.prototype.mkDir</li> <li>• Vault.prototype.deleteFile</li> </ul>

Issue #	Description
	<ul style="list-style-type: none"><li>• Vault.prototype.downloadFileAndExecute</li><li>• Vault.prototype.getWorkingDir</li><li>• Vault.prototype.getOS</li><li>• Vault.prototype.urlDecode</li><li>• Vault.prototype.urlEncode</li><li>• Vault.prototype.fileCreateWithSaveAsDialog</li><li>• Vault.prototype.fileExists</li><li>• Vault.prototype.directoryExists</li><li>• Vault.prototype.getParentDir</li><li>• Vault.prototype.setWorkingDir</li><li>• Vault.prototype.setFileName</li><li>• Vault.prototype.selectSavePath</li><li>• Vault.prototype.selectFolder</li><li>• Vault.prototype.addFileToDownloadList</li><li>• Vault.prototype.sendFile</li><li>• Vault.prototype.downloadFiles</li><li>• Vault.prototype.clearDownloadList</li><li>• Vault.prototype.fileCreate</li><li>• Vault.prototype.fileOpenAppend</li><li>• Vault.prototype.fileOpenWrite</li><li>• Vault.prototype.fileWriteLine</li><li>• Vault.prototype.fileClose</li><li>• Vault.prototype.writeText</li><li>• Vault.prototype.setFileFieldName</li><li>• Vault.prototype.getFileFieldName</li></ul>