aras INNOVATOR® VERSION 9.3.0 SP9

Aras Innovator 9.3.0 SP9 is a patch release. Its primary objective is to introduce client performance enhancements that Aras Engineering developed in response to Subscriber feedback. Its secondary objective is to fix a number of critical issues identified by Subscribers.

- **Enhancements in 9.3.0 SP9**

    o Improved metadata caching mechanism for the Aras Innovator client
    o Introduced the ability to persist Forms between Aras Innovator client sessions
    o Improved the performance of loading grids across the WAN into Aras Innovator client.
    o Improved Aras CAD to PDF converter

- **Affected Versions**

    Aras Innovator 9.3.0
    Aras Innovator 9.3.0 SP1
    Aras Innovator 9.3.0 SP2
    Aras Innovator 9.3.0 SP3
    Aras Innovator 9.3.0 SP4
    Aras Innovator 9.3.0 SP5
    Aras Innovator 9.3.0 SP6
    Aras Innovator 9.3.0 SP7
    Aras Innovator 9.3.0 SP8

- **Issues Fixed in 9.3.0 SP9**

    Framework

Required	Issue #	Description
Yes	015953	Eliminated redundant requests that can occur during login from a non-English locale.
Yes	020034	Eliminated inconsistencies in search results when using Foreign Properties as criteria in the user interface.
Yes	020302, 020389, 022233	Improved performance of the getItemByID function.
Yes	020362, 019937	Eliminated errors that can occur when Aras Innovator is opened in an existing Internet Explorer 9 process.
Yes	020564, 020779	Eliminated problems associated with launch of Autodesk Design Review viewer from the Aras Innovator client.
Yes	020576	Eliminated problems with Web Service Configuration.
Yes	020851	Improved the performance of loading the InBasket in high latency environments by reducing the number requests to the server during initial load.
Yes	021083	Eliminated problems associated with launch of XVL viewer from the Aras Innovator client in Internet Explorer 9.
Yes	021230, 021131	Improved load time of the grids on the client in high latency scenarios by reducing the number of requests to the server
Yes	021237	Improved the performance in high latency environments by forcing static resources to load from cache on the client.
Yes	021441	Improved the performance of loading Item windows by enhancing the caching of metadata definitions for Forms and search grids in the client cache.
Yes	021442, 022187	Improved the OnBeforeAdd event to allow the programmatic setting of the Item's Classification to automatically trigger the setting of the corresponding class-based Life Cycle Map.
Yes	021498	Improved the performance of loading Forms with multiple Fields of

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		type Item by eliminating several redundant requests for each Field
Yes	021937, 020698	Introduced new Form Rendering mechanism to improve performance of rendering large Forms with many Fields by persisting Forms between Aras Innovator client sessions.
Yes	022202	Improved performance of recording History when Items are updated.
Yes	022216	Improved performance of Version Item and Copy Item actions. Individual Clone Relationship actions were merged into one SQL request that allowed SQL server to perform necessary optimizations. Performance gains are reflected in actions manipulating thousands of Items, e.g during the versioning of Affected Items associated with an Express ECO.
Yes	022239	Improved the execution of the OnSearchDialog event handler for properties of type Item with a PolyItem ItemType as a Data Source.
Yes	022519	Eliminated redundant getItem calls on login. With tens of thousands of users in Aras Innovator database, processing of such requests was time consuming. Significantly improved login performance for installations with tens of thousands of users.
Yes	022731	Eliminated IOM.HttpServerConnection.Login() failure in non-US time zone.
Yes	022850	Eliminated redundant calls for vault information when a physical file was uploaded to the vault through IOM.Item.apply().
Yes	022891	Improved performance of server side core code for Japanese_CI_AS, Korean_100_CI_AS database collation, and similar database collations. Performance gains are reflected in actions manipulating thousands of Items, e.g during the processing of Affected Items associated with an Express ECO.
Yes	023078	Updated the Aras CAD to PDF converter. Converter now requires a 64-bit Operating system.

Tools and Utilities

Required	Issue #	Description
Yes	023078	Updated the Aras CAD to PDF converter. Converter now requires a 64-bit Operating system.