

Aras DevOps 1.4

Release Notes

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1 Platform Support Matrix

For the software required for the Aras DevOps Release 1.4:

Component	Release
Aras Innovator MSI Deployment	Release 17
	Release 20
	Release 21
	Release 23
	Release 24
	Release 25
	Release 26
	Release 27
	Release 28
	Release 29
	Release 30
Release 31	
Aras Innovator AICD Deployment	Release 27
	Release 28
	Release 29
	Release 30
	Release 31

2 Key Enhancements, Fixed Issues, and Known Issues

2.1 Key Enhancements in Aras DevOps Release 1.4

2.1.1 Introduce Support for Aras Innovator Release 31

This release of Aras DevOps introduces support for Aras Innovator release 31.

2.1.2 Continuous Integration Script

This release of Aras DevOps enables users to run the continuous integration script on a local machine without impacting any existing deployment.

Executing CI.ps1 will install Aras Innovator, deploy the project customization, execute the test automation, and remove the deployment from the local machine so users can verify that everything is ready before integrating and committing to the repository.

2.1.3 Logging of the Image Builds

This feature is only available for Aras Innovator SaaS customers working with containerized deployments.

Users can now access detailed logs of image build steps, an Azure Container Registry task. This enables users to locate the root cause of failures and resolve project repository problems.

2.1.4 Staging Environment Project Customization Deployment

This feature is available only for Aras Enterprise customers working with containerized deployments.

A new Environment is now available in the Deploy pipeline to deploy the project customization on an existing staging environment. The Staging Environment allows users to complete final preparations and checks on a thoroughly tested deployment before it goes into production. It closely mirrors the production environment and is the last phase before deployment. The project team initiates requests for provisioning and de-provisioning staging environments for production.

2.2 Fixed Issues in Aras DevOps Release 1.4

Issue #	Description
F-008210, F-008243	Introduce support for Aras Innovator release 31.
F-008295, I-062339	This release of Aras DevOps enables users to run the continuous integration script on a local machine.
F-008457	Enable project customization deployment on Staging Environment.
I-058365, I-062599	The DeployToSIT pipeline has been fixed to always be successful when customizations are added to the CodeTree folder in the project Git repository.
I-058884	In the root of the Git repository of the project, the following files were incorrectly added after repo-init.ps1 or other scripts:

Issue #	Description
	<ul style="list-style-type: none"> - deploymentPackage.nupkg - global.json - CodeTreeReadme.md - Readme.txt <p>These files are removed from the root of the project's Git repository.</p>
I-061689	Users can now access detailed logs of image build steps, an Azure Container Registry task. This enables users to locate the root cause of failures and resolve project repository problems.

2.3 Known Issues in Aras DevOps Release 1.4

Issue #	Description	Workaround
I-050998	When a user executes The Get-ArasDevopsPackagesList of the Powershell module, only the latest versions are displayed for IOM and InnovatorConfigs. It should display this package's latest version of the current Innovator version.	<p>The commandlet was originally created due to nuget.exe failure to display upstream package versions when listing.</p> <p>Standard Find-Package is capable of properly listing packages and this commandlet is not needed anymore.</p> <p>Get-ArasDevopsPackagesList command is therefore obsolete and will be deprecated.</p>
I-058395	In the Local Development Environment, the BuildAndDeploy.ps1 fails on the install step of Visual Studio 2022 Build Tools when there is a pre-existing installation of Visual Studio Build Tools.	<ol style="list-style-type: none"> 1. Uninstall Visual Studio Installer and all build tools with their dependencies. <ul style="list-style-type: none"> > choco uninstall visualstudio2019-workload-webbuildtools > choco uninstall visualstudio2019-workload-databuildtools > choco uninstall visualstudio2019buildtools > choco uninstall visualstudio2022buildtools > choco uninstall visualstudio-installer 2. Reset Powershell session. 3. Run the script again and let the tool install everything it needs: <pre>Import-Module Aras.DevOps Install-BuildMachinePrerequisites -InnovatorVersion <version></pre> 4. In case the problem is not resolved by following the steps

Issue #	Description	Workaround
		<p>above, or the choco packages are not installed in the first place, download visual studio installer (if not already installed) and perform the following steps:</p> <ol style="list-style-type: none"> a. Open Visual Studio Installer, for both 2022 and 2019 versions, export the configuration separately to dedicated files. The export option is under the More button. These files will be modified and re-imported. b. Open a Powershell terminal and run> explorer (join-Path (Get-Module Aras.DevOps).Path "\..\resources") c. For reference, open vsbuildtools2019.vsconfig file in your text editor. DO NOT Modify the file. Edit the 2019 configuration exported in step 4 a, to remove all components listed in the vsconfig file. d. Import 2019 configuration back into the Visual Studio Installer, by clicking on "More" and selecting "Import configuration." e. Perform steps 3 & 4 for the 2022 version of visual studio, using vsbuildtools2022.vsconfig file. <p>Note: If only one of the two versions above exists, perform the steps only for that version.</p>
I-058883	<p>In the Local Development Environment, ContinuousIntegration.ps1 fails if using Aras Innovator Container Deployment in Aras Enterprise and displays the following error: <The sp_configure value "contained database authentication" must be set to 1 in order to restore a contained database. You may need to "RECONFIGURE" to set the value_in_use. RESTORE DATABASE is terminating abnormally></p>	<p>In the SQL Server on the local machine, enable the contained database authentication option. The option can be enabled by two ways:</p> <ol style="list-style-type: none"> 1. Follow steps in: https://learn.microsoft.com/en-us/sql/database-engine/configure-windows/contained-database-authentication-server-



Issue #	Description	Workaround
		<p>configuration-option?view=sql-server-ver16</p> <p>2. Configure the option using SQL Server Management Studio properties</p>
I-059096	<p>When deploying on a local machine, users may see an error message directly from SQL Server that the password validation failed. The error message may look like: "System.Data.SqlClient.SqlException: Password validation failed. The password does not meet the operating system policy requirements because it's too short"</p>	<p>Deployment of Aras Innovator on a user's machine relies on local SQL Server that defines policies for SQL user passwords.</p> <p>Aras uses 2 SQL users named "innovator" and "innovator_regular". Passwords used during deployment are defined in Machine.Settings.include</p> <p>Make sure that both users can log into SQL Server using defined password before launching new deployment.</p>
I-059899	<p>When an existing project moves to a container-based deployment, it is possible that the initial repository contains some modified configuration files. In this case, the deployment will not be successful.</p>	<p>A customer repository should not contain any configuration files.</p> <p>The modifications to configuration files that might be required in the context of a project needs be described using Config Transformations feature available with the service.</p>

