

Aras DevOps 1.8

Release Notes

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1 Platform Support Matrix

For the software required for the Aras DevOps Release 1.8:

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
	Release 32
Release 33	
Aras Innovator AICD Deployment	Release 27
	Release 28
	Release 29
	Release 30
	Release 31
	Release 32
	Release 33

This contains release information about the current Build Number:

Release	Build Number
Build and Deployment Services 1.8	1.8.0.25449

2 Key Enhancements, Fixed Issues, and Known Issues

2.1 Key Enhancements in Aras DevOps Release 1.8

2.1.1 Support for Previously Released Innovator Versions on .NET 8

With the end of support for .NET 6, all supported versions of Aras Innovator have been recompiled to ensure compatibility with .NET 8. Additionally, Aras DevOps has been updated to support these newly recompiled Innovator versions, including enhancements for prerequisite installation, ensuring seamless compatibility with the latest runtime.

All supported Aras Innovator releases are compatible with .Net 8.

2.1.2 Parallelize Docker Image Builds

To improve the efficiency of the CI pipeline, we implemented parallelization for building Docker images. This change reduces the time required for the commit stage in the Azure pipeline by enabling multiple Docker images to be constructed concurrently rather than sequentially.

2.1.3 Reduced Wait Time for Deploy/Build Agents in Pipeline Execution

Enhancements have been implemented to reduce wait-times for deploy/build agents during Build and Deployment Service pipeline runs. These improvements optimize resource allocation and scheduling, enabling faster agent availability and more efficient execution of deployment and build processes.

Note: This enhancement has been automatically backported to earlier versions of Aras DevOps, requiring no changes to the version currently used by the project.

2.2 Fixed Issues in Aras DevOps Release 1.8

Issue #	Description
F-008957	All supported Aras Innovator releases are compatible with .Net 8.
I-068372	Delays in the deployment and build stages were previously caused by extended wait times for available agents. This update streamlines the agent allocation process, substantially reducing wait times and enhancing pipeline efficiency.
I-071064	To enhance CI pipeline performance, we transitioned from sequential to parallel Docker image builds. This improvement significantly streamlines the process, reducing the commit stage duration and boosting overall pipeline efficiency.

2.3 Known Issues in Aras DevOps Release 1.8

Issue #	Description	Workaround
I-050998	<p>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>	<p>The commandlet was originally created due to nuget.exe failure to display upstream package versions when listing. Standard Find-Package is capable of properly listing packages and this commandlet is not needed anymore. Get-ArasDevopsPackagesList command is therefore obsolete and will be deprecated.</p>
I-058395	<p>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.</p>	<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 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: <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

Issue #	Description	Workaround
		<p>button. These files will be modified and re-imported.</p> <ul style="list-style-type: none"> 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-configuration-option?view=sql-server-ver16 2. Configure the option using SQL Server Management Studio properties
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</p>	<p>Deployment of Aras Innovator on a user's machine relies on local SQL Server that defines policies for SQL user passwords. Aras uses 2 SQL users named "innovator" and "innovator_regular".</p>



Issue #	Description	Workaround
	does not meet the operating system policy requirements because it's too short"	Passwords used during deployment are defined in Machine.Settings.include Make sure that both users can log into SQL Server using defined password before launching new deployment.
I-059899	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.	A customer repository should not contain any configuration files. 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.