

# **Aras DevOps 1.9**

## **Release Notes**

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# 1 Platform Support Matrix

For the software required for the Aras DevOps Release 1.9:

| 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 |
| Release 34                     |            |
| Aras Innovator AICD Deployment | Release 27 |
|                                | Release 28 |
|                                | Release 29 |
|                                | Release 30 |
|                                | Release 31 |
|                                | Release 32 |
|                                | Release 33 |
|                                | Release 34 |

This contains release information about the current Build Number:

| Release                           | Build Number |
|-----------------------------------|--------------|
| Build and Deployment Services 1.9 | 1.9.0.28251  |

## 2 Key Enhancements, Fixed Issues, and Known Issues

### 2.1 Key Enhancements in Aras DevOps Release 1.9

#### 2.1.1 Replacement of Language Tool with ConsoleUpgrade

The previously used *Language Tool* has been deprecated and is no longer supported. To ensure long-term stability and official support, the *ConsoleUpgrade* tool is now used as its replacement, though with some impact on performance.

What It Means:

- Service will now use *ConsoleUpgrade* instead of *Language Tool*.
- Some performance degradation may be observed compared to the previous tool.

#### 2.1.2 Improved CI and Deploy Pipeline Efficiency

To enhance the efficiency of CI and Deploy pipelines, we implemented a mechanism to preinstall necessary packages and the Aras.DevOps module on build agents. This optimization eliminates the need for repeated installations during each pipeline run, resulting in significantly faster execution times.

### 2.2 Fixed Issues in Aras DevOps Release 1.9

| Issue #  | Description                                                                                                                                                                                                                                                                                                                     |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| F-008776 | Previously, packages and the Aras.DevOps module were installed during every pipeline execution, increasing build and deployment times. With this improvement, preinstalled packages streamline the process, significantly reducing pipeline duration and improving overall efficiency.                                          |
| I-070325 | Previously, the Selenium pipeline encountered errors when deploying instances due to environment-specific configurations being applied via the CustomConfigValues- <code>&lt;environment&gt;</code> library. By switching to the CustomConfigValues-CI library, the pipeline now maintains stability and executes successfully. |

### 2.3 Known Issues in Aras DevOps Release 1.9

| 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. | The commandlet was originally created due to nuget.exe failure to display upstream package versions when listing. |

| Issue #  | Description                                                                                                                                                                                             | Workaround                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          |                                                                                                                                                                                                         | <p>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"> <li>1. Uninstall Visual Studio Installer and all build tools with their dependencies. <ul style="list-style-type: none"> <li>&gt; choco uninstall visualstudio2019-workload-webbuildtools</li> <li>&gt; choco uninstall visualstudio2019-workload-databuildtools</li> <li>&gt; choco uninstall visualstudio2019buildtools</li> <li>&gt; choco uninstall visualstudio2022buildtools</li> <li>&gt; choco uninstall visualstudio-installer</li> </ul> </li> <li>2. Reset Powershell session.</li> <li>3. Run the script again and let the tool install everything it needs: <pre>Import-Module Aras.DevOps Install-BuildMachinePrerequisites -InnovatorVersion &lt;version&gt;</pre> </li> <li>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"> <li>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.</li> <li>b. Open a Powershell terminal and run&gt; explorer (join-Path (Get-Module Aras.DevOps).Path "\..\resources")</li> </ol> </li> </ol> |

| Issue #  | Description                                                                                                                                                                                                                                                                                                                                                                                                    | Workaround                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          |                                                                                                                                                                                                                                                                                                                                                                                                                | <p>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.</p> <p>d. Import 2019 configuration back into the Visual Studio Installer, by clicking on "More" and selecting "Import configuration."</p> <p>e. Perform steps 3 &amp; 4 for the 2022 version of visual studio, using vsbuildtools2022.vsconfig file.</p> <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: &lt;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&gt;</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"> <li>1. Follow steps in: <a href="https://learn.microsoft.com/en-us/sql/database-engine/configure-windows/contained-database-authentication-server-configuration-option?view=sql-server-ver16">https://learn.microsoft.com/en-us/sql/database-engine/configure-windows/contained-database-authentication-server-configuration-option?view=sql-server-ver16</a></li> <li>2. Configure the option using SQL Server Management Studio properties</li> </ol> |
| 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. Aras uses 2 SQL users named "innovator" and "innovator_regular". 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.</p>                                                                                                                                                                                                                                                  |



| Issue #  | Description                                                                                                                                                                                                                                                                                                                                                              | Workaround                                                                                                                                                                                                                                        |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
| I-072044 | <p><b>Chocolatey Version Update</b></p> <p>In Aras DevOps 1.9, an updated version of Chocolatey is now used to meet enhanced security requirements.</p> <p>Since two versions of Chocolatey cannot run simultaneously on the same machine, users must manually downgrade Chocolatey if they need to work on projects that reference an older version of Aras DevOps.</p> | Manually downgrade the version of Chocolatey.                                                                                                                                                                                                     |
| I-073506 | The Generate Baseline pipeline may intermittently fail when used with unpatched Aras Innovator versions lower than Release 32.                                                                                                                                                                                                                                           | Retry the Generate Baseline pipeline execution.                                                                                                                                                                                                   |