

# Hotfix 12141 - 37

## <b>Overview</b>

This document outlines the required steps to install Hotfix-12141 for Aras Innovator. This hotfix enables the Aras Innovator release to run in browsers which already deprecated native XSLT support. These changes affect both the code tree and the database.

For more information about the deprecation of XSLT, see the official documentation:

<https://developer.chrome.com/docs/web-platform/deprecating-xslt> .

XSLT is planned to be deprecated in all Chromium-based browsers. At this time, there is no official information from other browser vendors regarding XSLT deprecation; however, it is highly likely that this functionality will eventually be deprecated across all major browsers.

In Google Chrome, XSLT support can currently be enabled or disabled via the experimental flag at `chrome://flags/#xslt`.

### Important

This hotfix applies to Aras Innovator versions 22 and above. The screenshots used in this guide refer to and show details for Release 38, but can be successfully used for reference in earlier versions.

The patch includes fixes for the following issues:

### Issue Number Description

|          |                              |
|----------|------------------------------|
| IH-12141 | Hotfix XSLT for Innovator 37 |
|----------|------------------------------|

### Prerequisites

To apply Hotfix-12141 to Aras Innovator, confirm that the software is currently eligible for this hotfix. Next, download the necessary materials for the upgrade.

### Checking for Eligibility

The following steps outline the process to check if Aras Innovator is eligible to apply Hotfix-12141

1. Log in to Aras Innovator as an administrator.
2. From the **Help** menu, select **About**.



3. Confirm that the window shows the following Release 37.
4. Log in to Aras Innovator as an administrator.
5. Navigate to **Administration\Variables** in the Table of Contents.
6. Confirm that the following set of variables is listed:

| Variable Name        | Variable Value |
|----------------------|----------------|
| VersionMajor         | 14             |
| VersionMinor         | 37             |
| VersionServiceUpdate | 0              |

#### Important

The values shown apply to Aras Innovator Release 33 (14.30.0) and later versions; for Aras Innovator Release 32 (14.0.28) and earlier, confirm that **VersionMinor** is set to 28 (or lower) and **VersionServiceUpdate** is 0.

Contact Aras Support before installing if the eligibility requirements are unmet.

### Required Tools and Materials

If the Prerequisites listed in the previous section have been met, the next step is to obtain the required upgrade files and utilities.

#### Aras Update Tool

The Aras Update tool can be downloaded from <https://www.aras.com/support/downloads> .

**Aras Update** should be downloaded and installed locally on every node running the Aras Innovator component.

#### Hotfix Patch

Subscribers can obtain the patch from [mft.aras.com](https://mft.aras.com) . The hotfix zip file is in the same directory as the Aras Innovator Release 37 CD Image.

Copy the '.zip' file with a hotfix patch to a local machine.

### **Applying Hotfix-12141**

This section explains how to modify the database and Aras Innovator client. Before applying these changes, please confirm if all required components are present.

Requirements:



- Aras Innovator 37
- ArasUpdate tool or Aras Innovator Package Import Export Utilities

### <b>Notification and Backup</b>

Notify users that the system will be down at a scheduled time and that they should log out before starting the process.

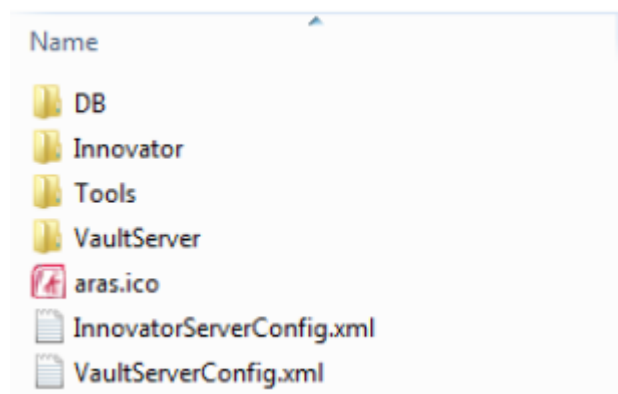
Giving at least 24 hours' notice and a reminder 15 minutes before taking the system offline is best.

Back up the code tree:

The 'Code Tree' refers to files and folders installed on the disk when Aras Innovator was first installed.

The default path for the Code Tree installation would be something similar to:

C:\Program Files(x86)\Aras\Innovator



The installation folder can be confirmed with the following steps:

- From the **Start Menu**, click **Start** and select **Settings** and **Control Panel**.
- From the Control Panel, select **Programs and Features**.
- Search for the **Aras Innovator** entry.

The entry should display the physical installation path.

Once the location of the code tree installation is determined, back up the folder and its contents.

The Hotfix overrides the following files:

- "%Innovator\Client\javascript\aras\_object.ts"

- "\\Innovator\\Client\\javascript\\client\_cache.ts"
- "\\Innovator\\Client\\javascript\\IncludeNamespaceConfig.xml"
- "\\Innovator\\Client\\Modules\\core\\Xml.ts"
- "\\Innovator\\Client\\scripts\\include\\InitialSetupHeader.cshtml"

If the target Innovator instance contains customizations in these files, ensure they are backed up before proceeding, as applying the Hotfix will overwrite them.

- Disconnect all users from the database.

The easiest way to prevent client sessions from committing any further changes to the database is to change the database connection string in the InnovatorServerConfig.xml from **<DB-Connection...** to **<xDB-Connection...** and restart the **w3svc service (IIS)**. This expires all sessions and prevents all new connections to the Aras Innovator database through the existing instance.

- Backup the database.

Place this file in a safe location. If the application fails, it will need to be restored from there.

- Enable database connections.

After the database backup has completed, enable the database connection string in the InnovatorServerConfig.xml by simply changing it from **<xDB-Connection...** to **<DB-Connection...** and restarting the **w3svc service (IIS)**.

This hotfix can be installed using the Automated Installation Option (using the **Aras Update** tool) or the Manual Installation Option (using the **Aras Import** tool).

#### **Automated Installation Option**

1. Extract the **Hotfix-12141.zip** file to a folder on the local machine.
2. Enable the **Super User** login.
3. Launch the **ArasUpdate.exe** file as administrator.  
If default options were selected during installation, the **ArasUpdate.exe** file is found in the directory C:\\Program Files (x86)\\Aras\\ArasUpdate\\.
4. On the **Local** tab, click **Add package reference**, then navigate to the folder where the hotfix was extracted in the first step.
5. Expand the **Aras Hotfix Package to Xslt** component and click **Install**.



Aras Update

aras/UPDATE

?

Online

Local

Aras Packages available locally

Listed below are all Aras packages available on local disk. Select a desired package version, then pick Install to immediately install. You can also add a local package reference to install. To install Aras subscriber-only features such as Service Packs, first download the package from the Aras FTP site and then use the “Add package reference” option.

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Add package reference

Aras Hotfix Package To Xslt

This Hotfix adds XSLT polyfill to mitigate XSLT deprecation by browsers for Aras Innovator Release 38.

[More information](#)

☒ Release 38 (14.0.38) (Reference package)

[Install](#)

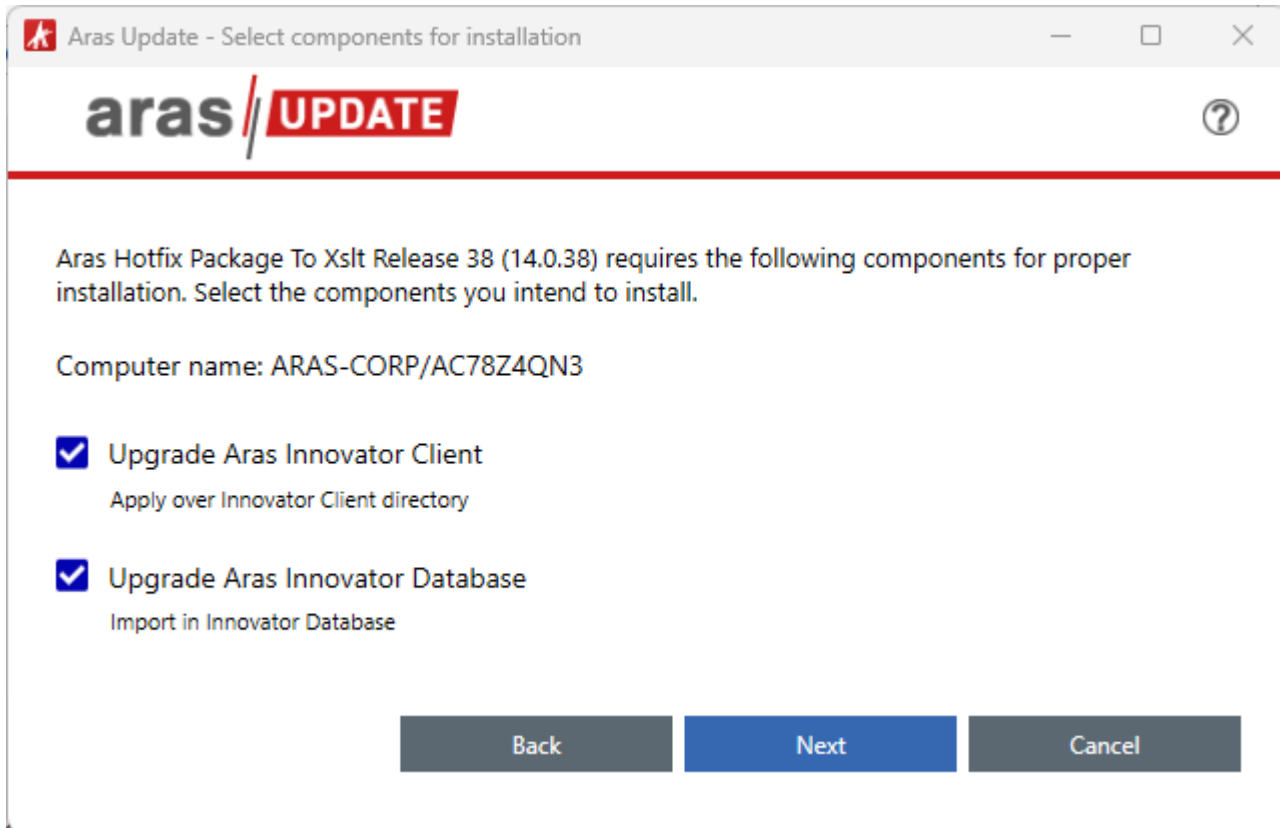
[Remove from list](#)

6. Select the components to which the hotfix will be applied and click **Next**.

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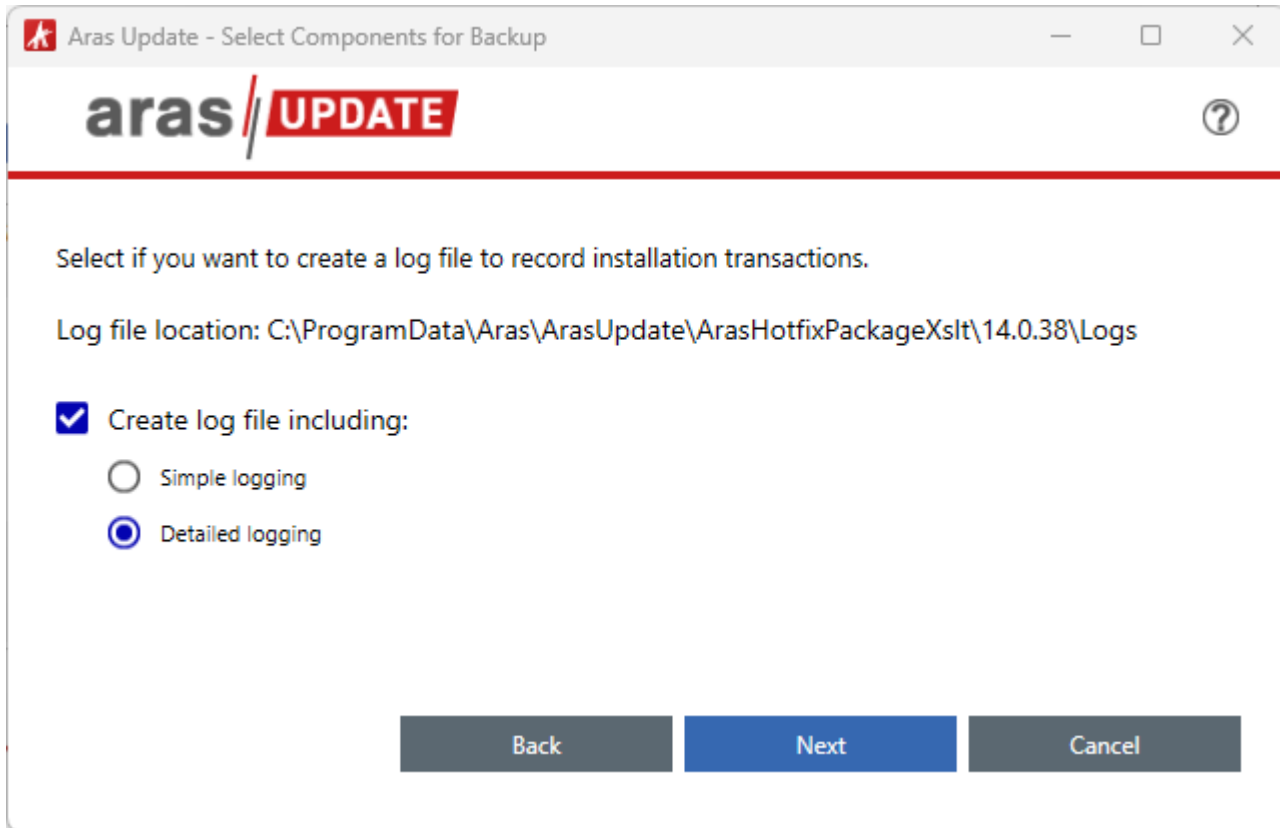
The Aras logo, which is a stylized red 'A' composed of several overlapping lines.

5



7. Select the Detailed logging option and click **Next**.





8. Fill in the appropriate **Client Path** information, **URL**, **Database**, **Username**, and **Password** for the root user, and click **Install**.



Aras Update

aras

UPDATE

?

Enter the following parameters for each component you are going to install and then click Install button to continue.

✓ Upgrade Aras Innovator Client

Path to the installed Innovator Client

C:\Work\ecm\_development\Instances\AC78Z4QN3-UCM-sp36

Browse...

✓ Upgrade Aras Innovator Database

Server URL

http://localhost/AC78Z4QN3-UCM-sp36

Database

AC78Z4QN3-UCM-sp36

Username

root

Password

.....

Back

Install

Cancel

9. Disable the **Super User** login.

### Manual Installation Option

- Extract the **Hotfix-12141.zip** file to a folder on the local machine.



- Copy the 'Innovator' folder to the root directory where it was installed, overwriting the existing 'Innovator' folder and its contents.
- From the root of the code tree, navigate to \Innovator\Client and edit the InnovatorClient.config file.
- Change the value of the filesRevision attribute. The value should be changed from std to 2, 3, 4, etc

```
< cachingModulemoduleEnabled="true"filesRevision="2" />
```

- Save the changes to the InnovatorClient.config file and close it.
- Restart **World Wide Web Services (IIS)** on the Innovator Server machine.
- Import the database package with the **Package Import Utility**. For more information on using this tool, refer to the Aras Innovator - Package Import Export Utilities document.

The screenshot shows the 'Import' utility window. The 'Innovator Server' section has the server URL 'http://localhost/AC78Z4QN3-UCM-sp36'. The 'Release settings' section shows 'Target Release' as 'R38'. The 'Manifest File' section shows the path 'C:\Work\patches\patch\_tool\ArasHotfixPackageXslt.S14.38.0\Imports\imports.mf'. The 'Available for Import' section has 'Select All Packages' checked, and 'Databaseldentifier' is selected. The 'Language codes' section has 'en' selected. The 'Existing Packages in the Database' section lists several packages, with 'Databaseldentifier' selected. The 'Type' section has 'Merge' selected, and the 'Mode' section has 'Thorough Mode' selected.



- Enable the **Super User** login to perform this step.
- Browse to the\PackageImportExportUtilities\Import\folder and run the **Import.exe** file
- Input the following connection information:

**Server=** The connection URL for Aras Innovator

**Database=** The target Aras Innovator database

**Username=** root

**Password=** Password for “root” login (Default is “innovator”)

**Target Release=**R37

**Description=** Hotfix-12141.37

**Manifest File Path=** The manifest imports.mf is found in the folder Imports\

**Available for Import=** Select All

**Type=** Merge

**Mode=** Thorough Mode

- Click the **Import** button
- Disable the **Super User** login once complete.
- The **Super User** login should not be enabled in production.
- **Confirming the Installation**

Use the following steps to verify that the database has correctly applied the updates to Aras Innovator.

1. Start **IIS**
2. Log in to **Aras Innovator** as an administrator.
3. From the **Help** menu, select **About**.
4. Confirm that the window shows the following:
5. MSBuildNumber IH-12141.37
6. Navigate to **Administration\Variables** in the Table of Contents.
7. Confirm the following Variable is shown:

**Variable Name   Variable Value**

MSBuildNumber IH-12141.37

If the installation fails at any time, revert to backups and contact Aras Support at [support@aras.com](mailto:support@aras.com) .

