

Aras Test Automation Framework 1.18 Upgrade Guide

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Document Conventions

Table 1 highlights the document conventions used in the document.

Table 1: Document Conventions

Convention	Description
Bold	This shows the names of menu items, dialog boxes, dialog box elements, and commands. Example: Click OK .
Code	Code examples appear in <code>courier</code> font. It may represent text you type or data you read.
Yellow highlight	Code highlighted in yellow draws attention to the code that is being indicated in the content.
Yellow highlight with red text	Red text highlighted in yellow indicates the code parameter that needs to be changed or replaced.
<i>Italics</i>	Reference to other documents.
Note:	Notes contain additional useful information.
Warning	Warning contains important information. Pay special attention to information highlighted this way.
Successive menu choices	Successive menu choices may appear with a greater than sign (-->) between the items that you will select consecutively. Example: Navigate to File --> Save --> OK .

1 Overview

This document describes how to:

- Upgrade the Aras Test Automation Framework from a previous version to 1.18.
- Update templates for new projects.
- Update existing projects.

2 Prerequisites

To upgrade the Aras Test Automation Framework to version 1.18, you must have any of its previous versions (1.0 – 1.17) installed.

For the software and license requirements, see the *Aras Test Automation Framework 1.18 – Installation Guide*.

3 Upgrade Process

This section describes the process of upgrading the Aras Test Automation Framework to version 1.18.

3.1 Updating the Templates for New Projects

This section outlines how to update the Visual Studio extension that includes the Aras TAF project templates for AML integration and Selenium web UI tests.

The template upgrade procedure plan is the following:

1. To uninstall a previous Aras Test Automation Framework version.
2. To install a new Aras Test Automation Framework version.

3.1.1 Uninstalling a previous Aras Test Automation Framework version

1. Run Visual Studio.
2. In the main menu, click **Tools --> Extensions and Updates**.
3. Find **Aras.TAF.Templates** on the list and click **Uninstall** to remove the previous plugin version.

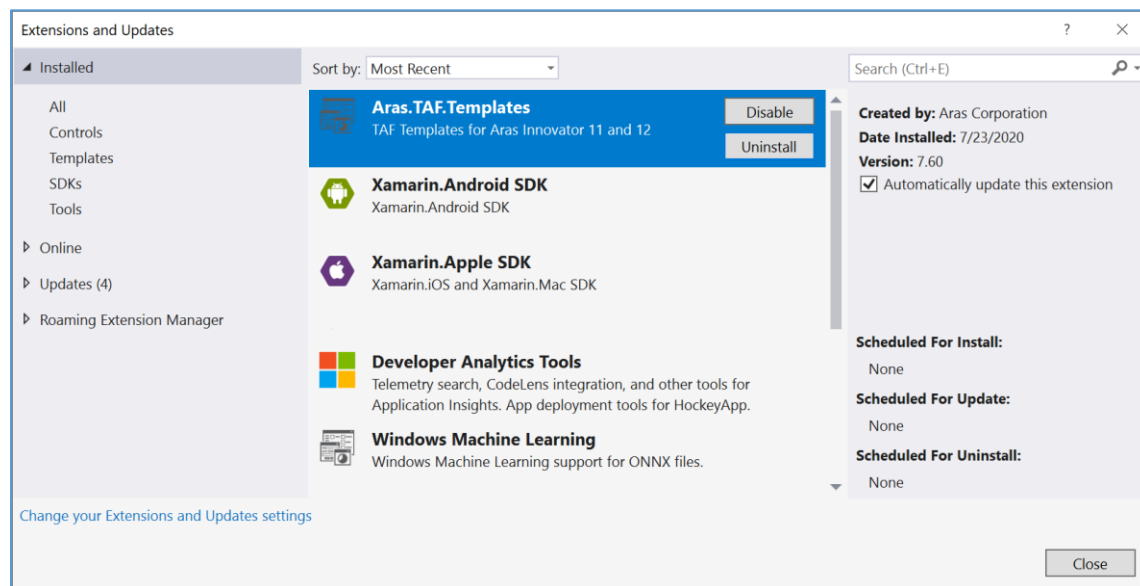


Figure 1. **Aras.TAF.Templates** in the **Extensions and Updates** dialog

4. In the confirmation dialog, click **Yes** to schedule the Aras.TAF.Templates plugin for uninstallation.
5. Close the **Extensions and Updates** dialog and all other Visual Studio dialogs.

- When the **VSIX Installer** dialog appears, click **Modify** to begin uninstalling the plugin.

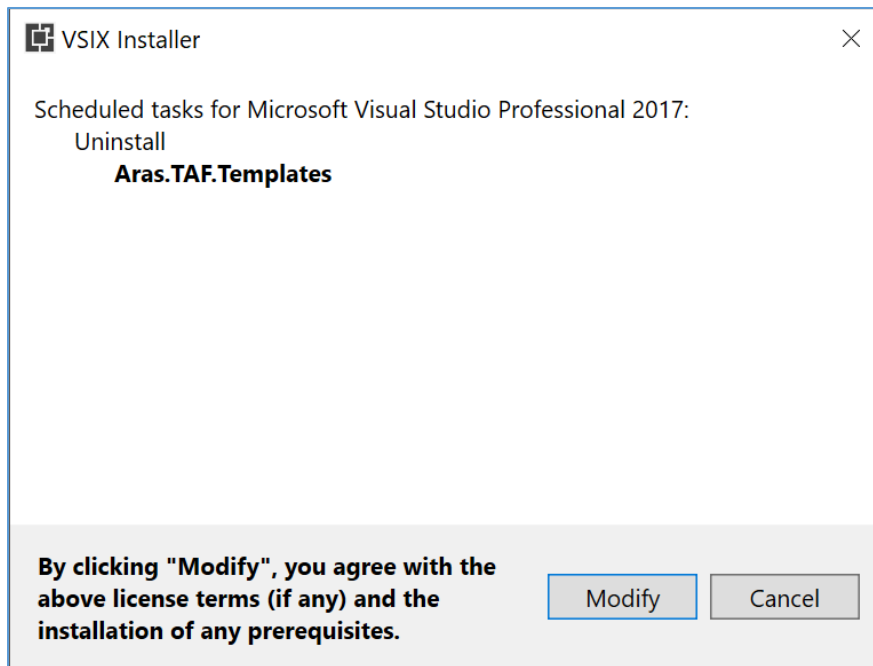


Figure 2. The **VSIX Installer** dialog asking to start the plugin uninstallation

- When the **VSIX Installer** dialog confirms that the plugin is uninstalled, close this dialog.

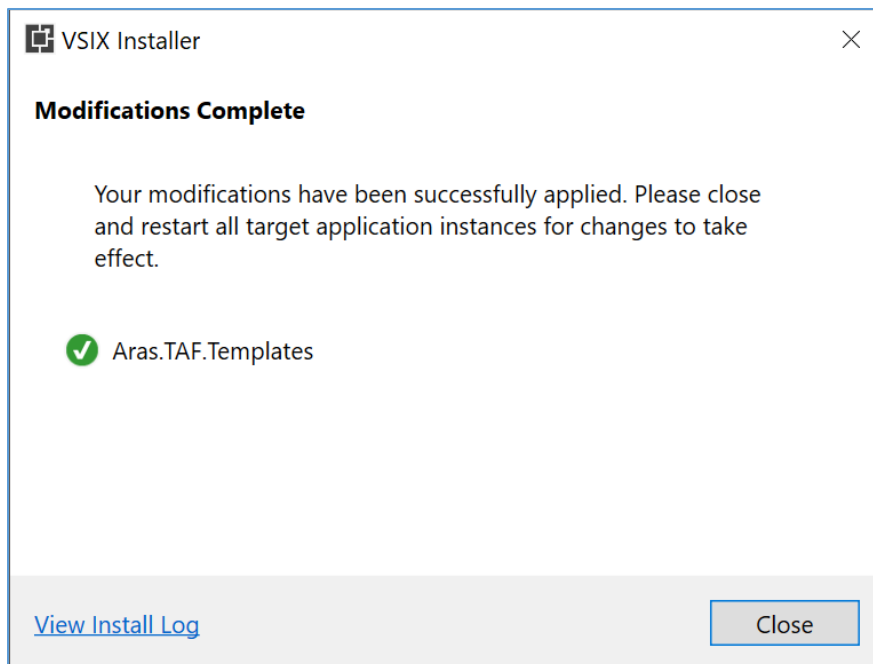


Figure 3. The **VSIX Installer** dialog notifying on the successful plugin uninstallation

3.1.2 Installing a new Aras Test Automation Framework version

1. Unzip the Aras TAF package on a machine with installed Visual Studio.
2. Go to the **Templates** folder in the unzipped package.
3. Double-click the **Aras.TAF.Templates.Installer.vsix** file to start the installer.
4. Select one or more Visual Studio versions where you want to install the extension.

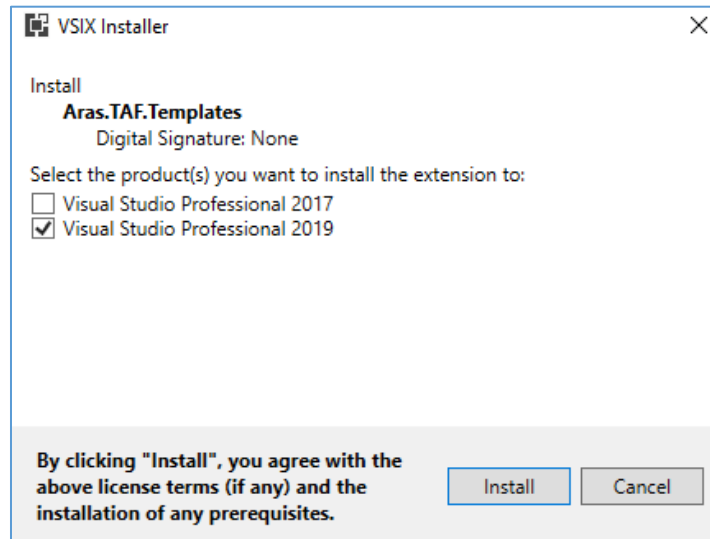


Figure 4. Visual Studio extension installer dialog

5. Click the **Install** button to install the extension to the selected Visual Studio versions.

Note: If you have open Microsoft Visual Studio processes, the installer will notify you and ask to end them. If you see such a dialog (see Fig. 5), save the open Visual Studio projects and click the **End Tasks** button to stop the processes and continue installing.

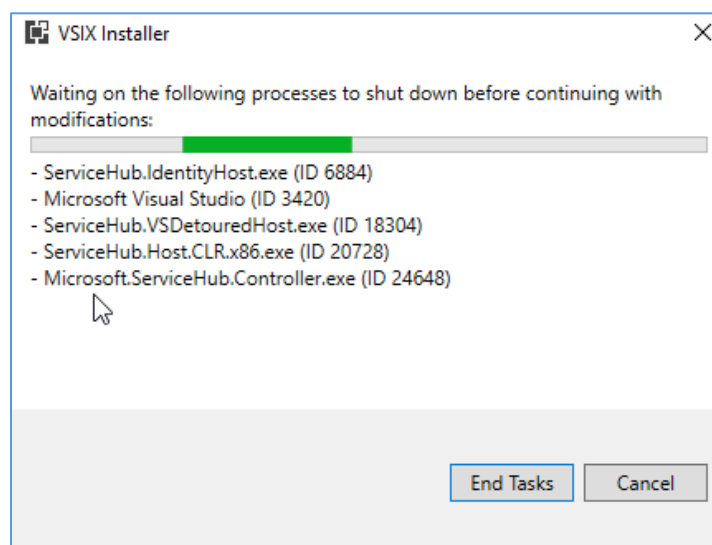


Figure 5. The installer dialog asking to end all running Visual Studio processes

When the extension is installed, you will see a dialog confirming the successful installation.

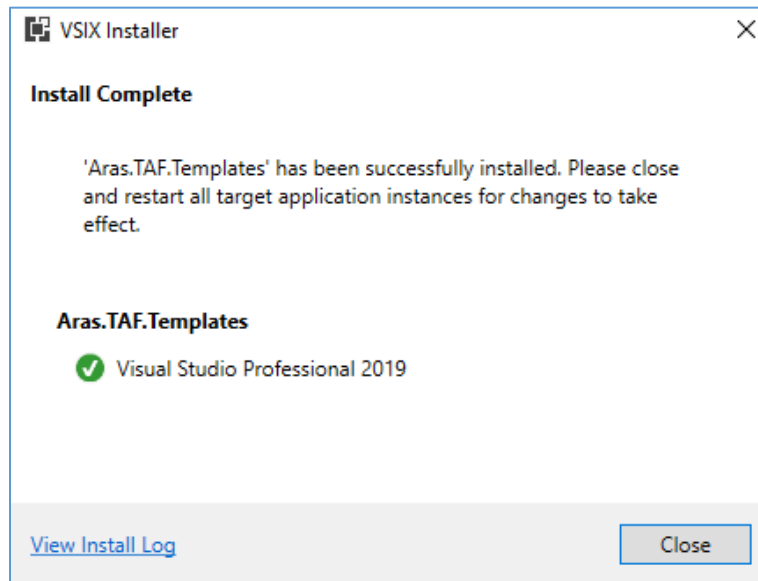


Figure 6. The installer dialog informing on a successful installation

6. Click the **Close** button to close the installer. You are now ready to open Visual Studio and begin using the Aras TAF project templates.

3.2 Updating Existing Projects

This section outlines how to update Visual Studio projects created with an older Aras Test Automation Framework version.

The update procedure plan is the following:

1. To backup your current **.nupkg** files.
2. To remove the current **.nupkg** files from your project.
3. To add new **.nupkg** files to your project and rebuild the project.

To upgrade your projects, do the following for each your project:

Note: We strongly recommend backing up the **.nupkg** files if a project should be rolled back to its pre-upgrade state.

1. Go to the **Libraries** folder of a project and copy all **.nupkg** files to a backup location.

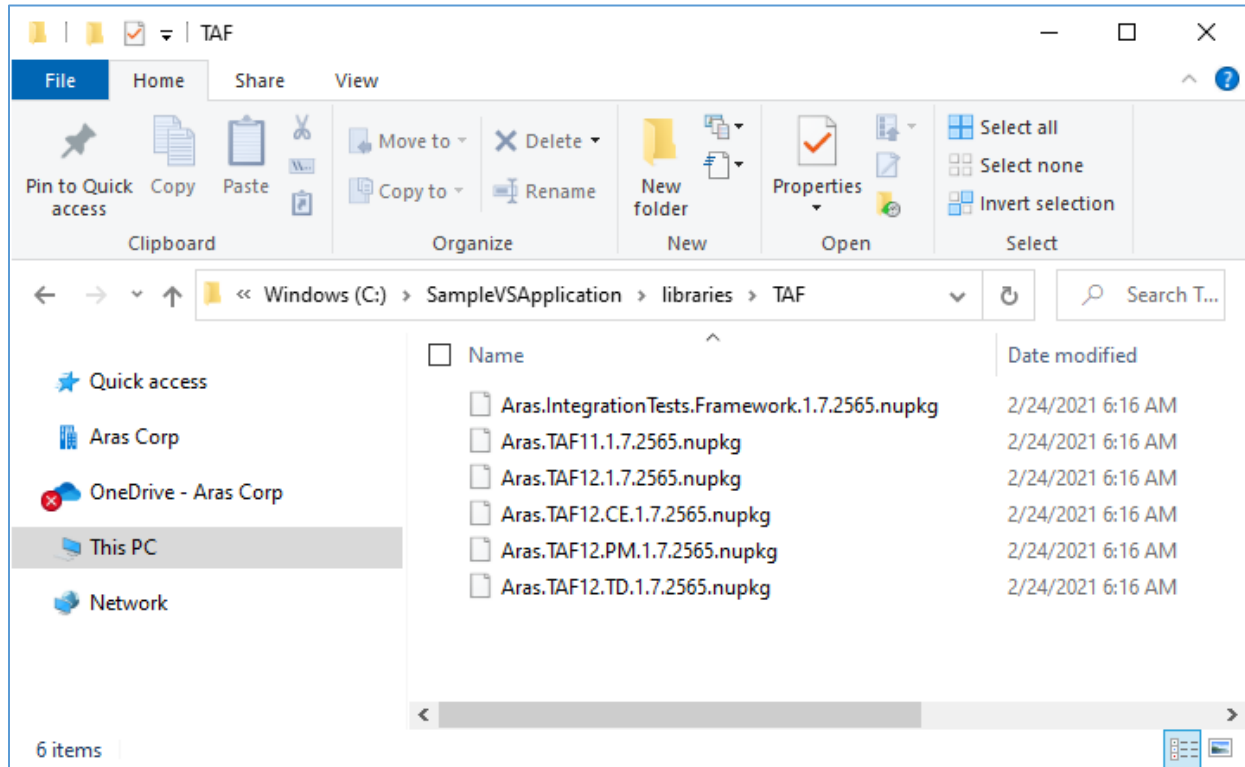


Figure 7. TAF sample library files

2. After the backup is complete, delete all **.nupkg** files from the **Libraries** folder of the project.
3. Copy the **Aras Test Automation Framework 1.18 CD Image** to the given machine.
4. Copy all **.nupkg** files from the **\\Aras Test Automation Framework 1.18 CD Image\Libraries** folder to the **Libraries** folder of the project.
5. Open the project in Visual Studio.

6. If updating an integration test, update the **Project** file:

Note: Without this update, the integration test will fail during execution time.
Project file update is not required for Selenium tests.

- a. Right-click the **project** in the **Solution Explorer** dialog and click **Edit Project File**.

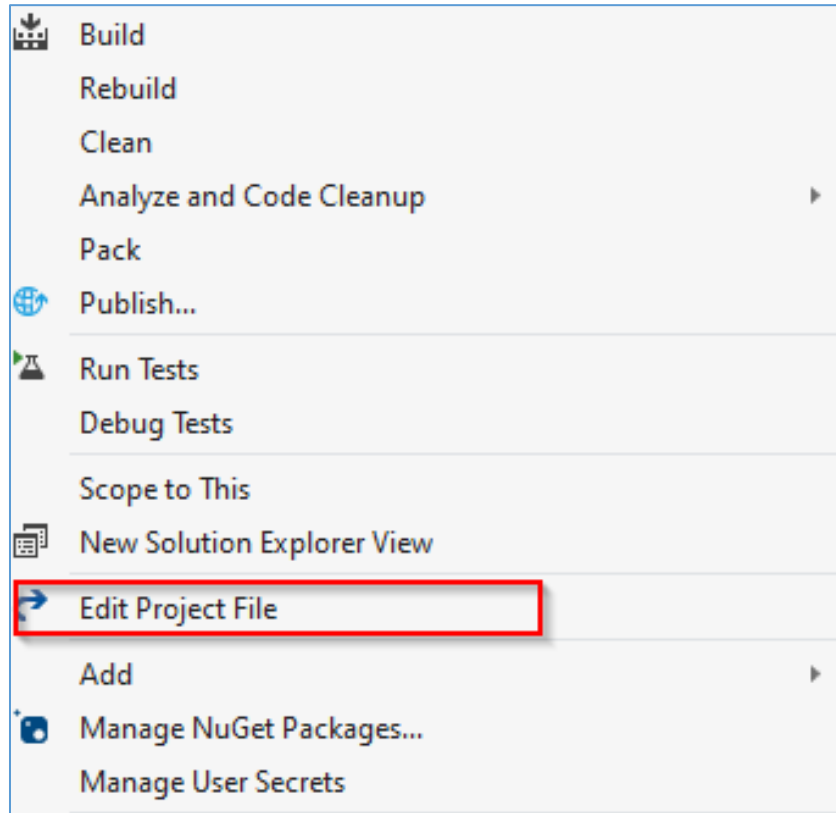


Figure 8. The **Edit Project File** command

- b. In the **Aras.ITAF.Tests.csproj** file, add the following piece of code:

`<GenerateBindingRedirectsOutputType>true</GenerateBindingRedirectsOutputType>` tag as shown in the example below:

```
<Project Sdk="Microsoft.NET.Sdk">
  <PropertyGroup>
    <TargetFramework>net472</TargetFramework>
    <Deterministic>true</Deterministic>

    <AutoGenerateBindingRedirects>true</AutoGenerateBindingRedirects>
    <GenerateBindingRedirectsOutputType>true</GenerateBindingRedirectsOutputType>
  </PropertyGroup>
```

...

- c. Save the **Aras.ITAF.Tests.csproj** file.

7. Rebuild the solution.

After rebuilding the project, the given new version of the TAF libraries should appear in the **Solution Explorer** pane.

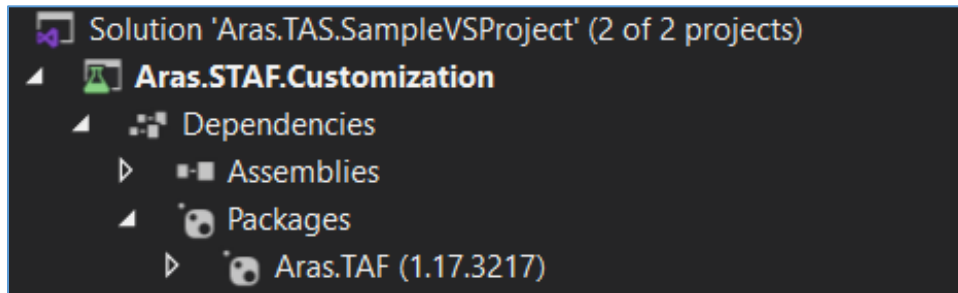


Figure 9. A rebuilt TAF UI project