Sage 300 Web Screens SDK

Upgrade Guide for 2020.2 to 2021.0

May 2020

The MIT License (MIT)

Copyright © 1994-2020 The Sage Group plc or its licensors. All rights reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the “Software”), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED “AS IS”, WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Contents

[1. Overview 4](#_Toc41480973)

[1.1 Required Version of Sage 300 5](#_Toc41480974)

[2. Installing the Sage 300 Upgrade Wizard 6](#_Toc41480975)

[3. Accessing the Sage 300 2021.0 Upgrade Wizard 7](#_Toc41480976)

[4. Using the Sage 300 Upgrade Wizard 8](#_Toc41480977)

[4.1 Step 1 – Synchronize Kendo Files 9](#_Toc41480978)

[4.2 Step 2 – Synchronize Web Files 10](#_Toc41480979)

[4.3 Step 3 – Synchronize Accpac Libraries 11](#_Toc41480980)

[4.4 Step 4 – Remove previous version of jQuery libraries 12](#_Toc41480981)

[4.5 Step 5 – Update targeted version of .NET Framework 13](#_Toc41480982)

[4.6 Step 6 – Unify HTML ‘disabled’ attribute 14](#_Toc41480983)

[4.7 Step 7 – Add new ‘BinInclude.txt’ file to Web project 15](#_Toc41480984)

[4.8 Step 8 – Confirmation 16](#_Toc41480985)

[4.9 Step 9 – Recompile 17](#_Toc41480986)

[5. Upgrade Log 18](#_Toc41480987)

[6. Unify HTML ‘disabled’ attribute changes 19](#_Toc41480988)

[7. Including Extra Objects in Output 20](#_Toc41480989)

[8. Compilation Troubleshooting 21](#_Toc41480990)

1. Overview

This document is intended to serve as a guide for illustrating how to use the Sage 300 Upgrade Wizard to upgrade Visual Studio solutions and projects that are compatible with the Web Screens SDK 2020.2 to Web Screens SDK 2021.0.

The wizard will upgrade the solution and projects in following steps:

* Synchronize Kendo Files
* Synchronize Web Files
  1. Required Version of Sage 300

To get started, install Sage 300 2021.0 with the Web Screens option selected.

1. Installing the Sage 300 Upgrade Wizard

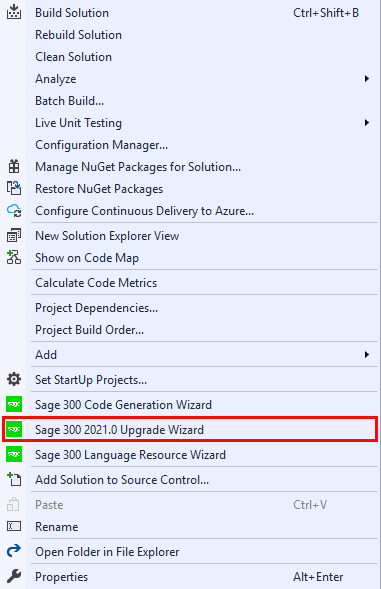
The Upgrade Wizard is a Visual Studio Plugin that was developed in Visual Studio 2017 and is compatible with Visual Studio 2017 and Visual Studio 2019.

**Note:** If the previous Upgrade Wizard is installed, it must be uninstalled first (In Visual Studio - Tools, Components and Extensions, Uninstall option once the Upgrade Wizard is selected).

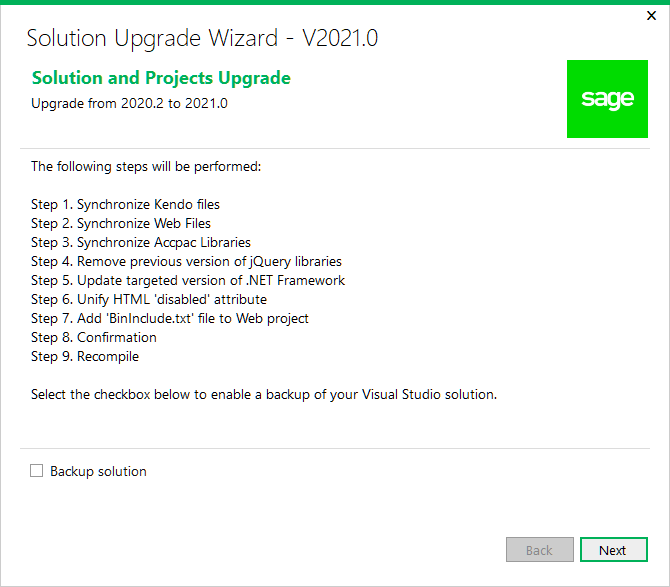
To install the wizard:

1. Run Sage300UpgradeWizardPackage.vsix.
2. Select the Install the Wizard Package option.
3. Accessing the Sage 300 2021.0 Upgrade Wizard

The **Sage 300 2021.0 Upgrade Wizard** is a Visual Studio Plugin. To open it, with the partner solution loaded in Visual Studio, right-click the solution, and on the context menu, click Sage 300 2021.0 Upgrade Wizard.



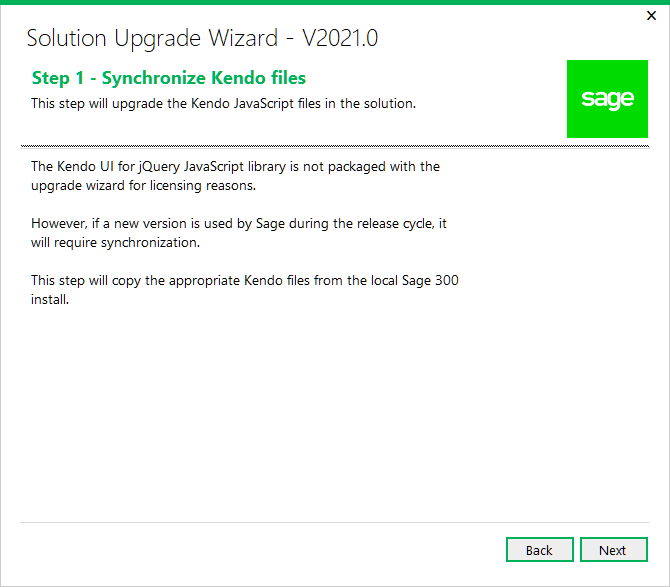
1. Using the Sage 300 Upgrade Wizard

­

**Important:** Please backup the solution and projects before proceeding with the upgrade. If you would like the Upgrade Wizard to make a backup of your solution, click the ‘Backup solution’ checkbox.

Click **Next** to continue to the next step.

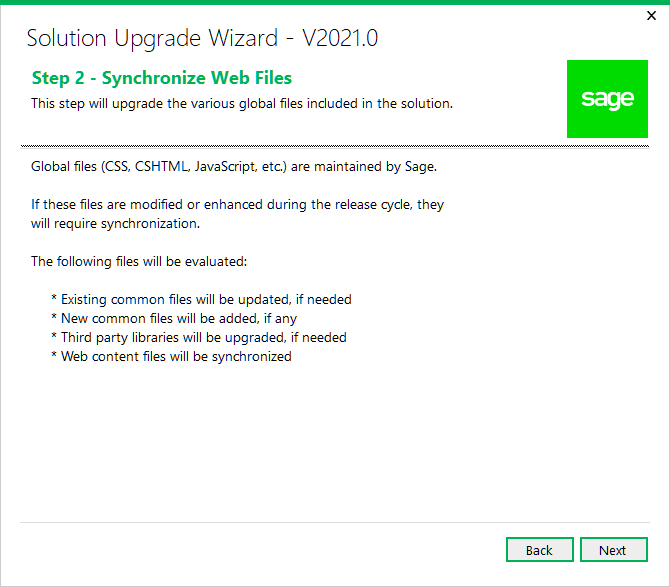
* 1. Step 1 – Synchronize Kendo Files



A copy of the Kendo UI for jQuery JavaScript library will be copied into the solution from the local Sage 300 installation.

Click Next to proceed or Back to go back to the previous step.

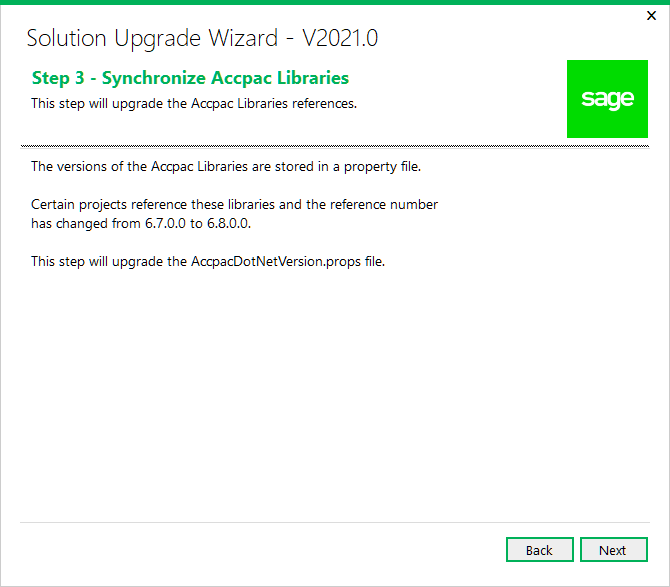
* 1. Step 2 – Synchronize Web Files



Contents in the Web Projects Areas\Shared, Areas\Core, Views, Scripts, Content, and Assets folders are upgraded in this step.

Click Next to proceed or Back to go back to the previous step.

* 1. Step 3 – Synchronize Accpac Libraries



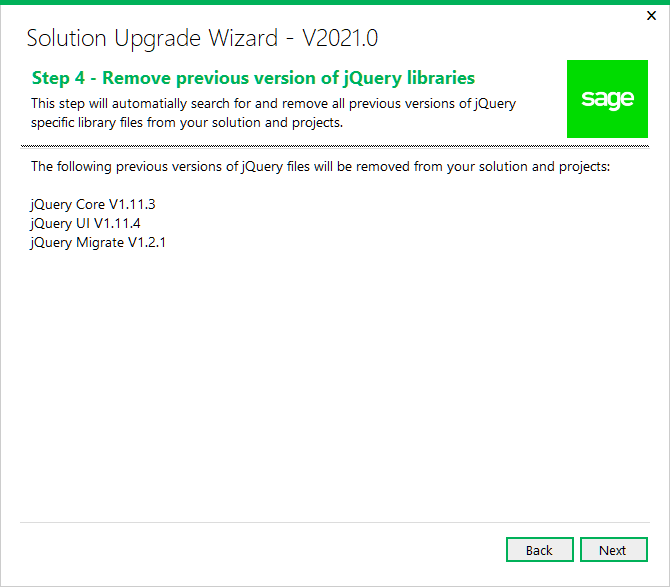
The upgrade wizard will search for copies of the **AccpacDotNetVersion.props** file in the following locations:

* + Root of the Solution folder
    - If found, it will stop looking. If not found, it will then search in the root of each project folder within the solution.

If the **AccpacDotNetVersion.props** file is found in the root of the solution folder, it will be upgraded as normal. If the **AccpacDotNetVersion.props** file is not found in the root of the solution folder but is found in one or more project folders, the wizard will update the project file (.csproj) in each of these folders with the correct path to the **AccpacDotNetVersion.props** file located in the solution folder and then remove the copy of the **AccpacDotNetVersion.props** file in the project folder. When this process has completed, the solution should contain only a single **AccpacDotNetVersion.props** file located in the root of the solution folder.

Click Next to proceed or Back to go back to the previous step.

* 1. Step 4 – Remove previous version of jQuery libraries

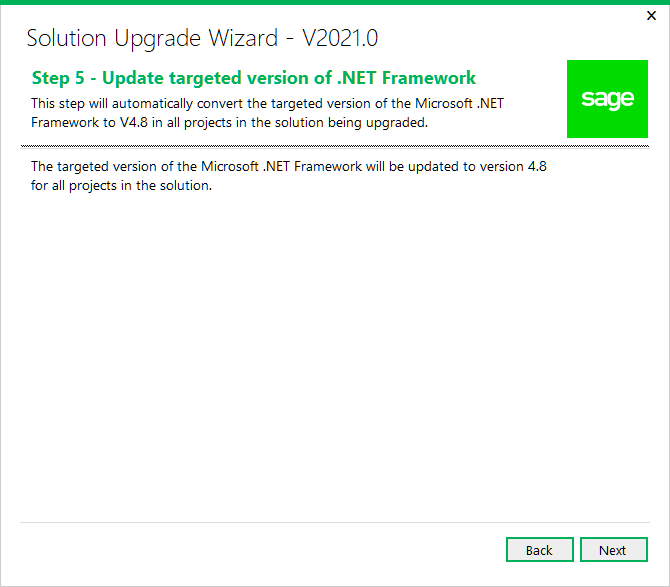


The upgrade wizard will automatically remove the following:

* + jQuery Core V1.11.3
  + jQuery UI V1.11.4
  + jQuery Migrate V1.2.1

Click Next to proceed or Back to go back to the previous step.

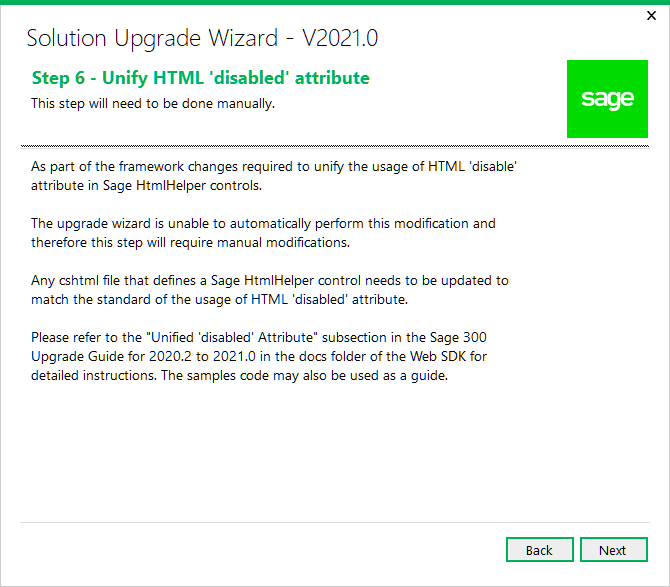
* 1. Step 5 – Update targeted version of .NET Framework



The upgrade wizard will automatically update all projects in your solution to target Microsoft .NET Framework V4.8.

Click Next to proceed or Back to go back to the previous step.

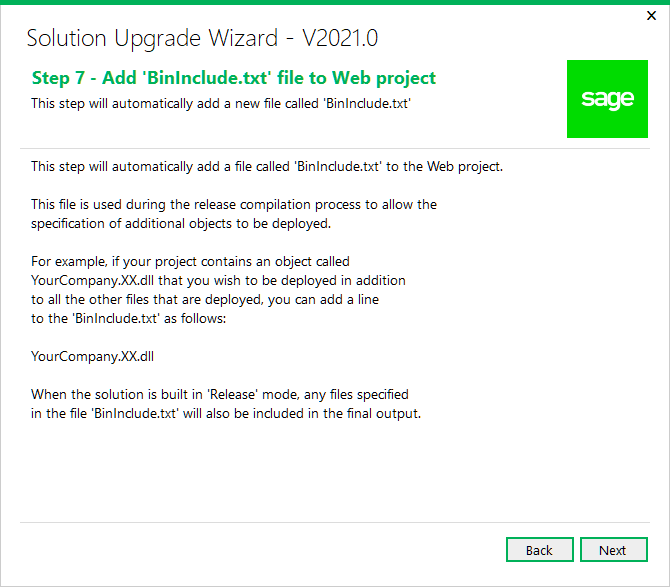
* 1. Step 6 – Unify HTML ‘disabled’ attribute



This is simply an informational step. See Section 6 – Unify HTML ‘disabled’ attribute changes for full details on the manual modifications required.

Click Next to proceed or Back to go back to the previous step.

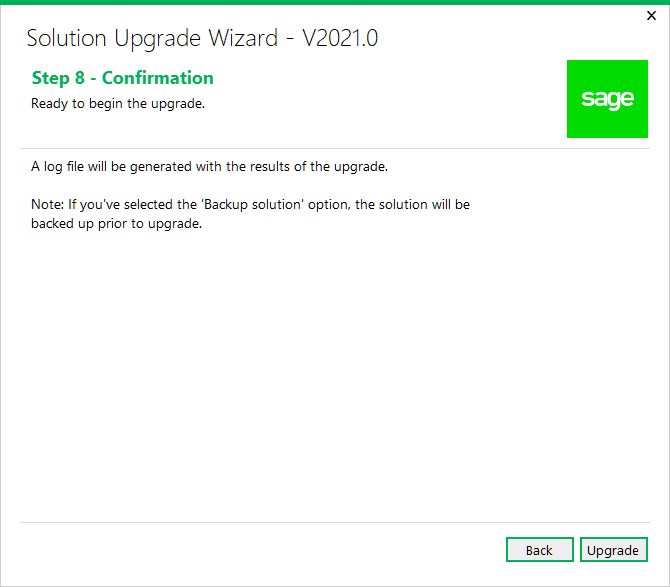
* 1. Step 7 – Add new ‘BinInclude.txt’ file to Web project



For further information about this: See Section 7 – Including Extra Objects in Output

Click Next to proceed or Back to go back to the previous step.

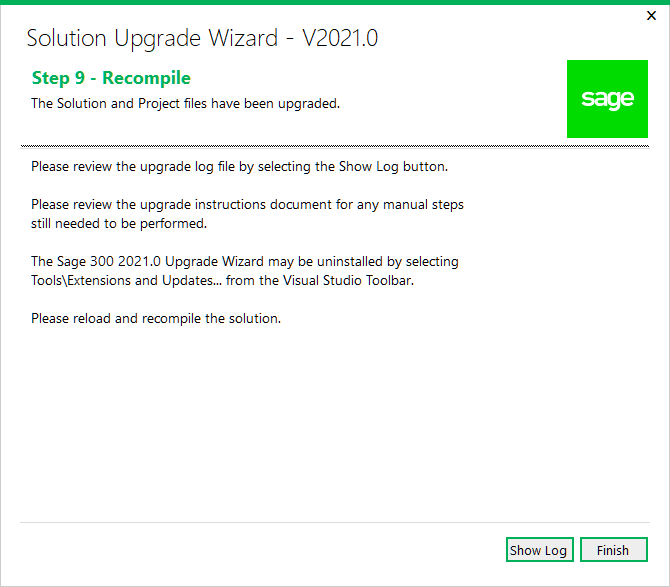
* 1. Step 8 – Confirmation



The solution and projects are ready to be upgraded.

Click Upgrade to upgrade the solution and projects or Back to go back to the previous step.

* 1. Step 9 – Recompile



Click **Show Log** to display log file. The log file displays what files have been upgraded or modified. At this point, the upgrade is now complete.

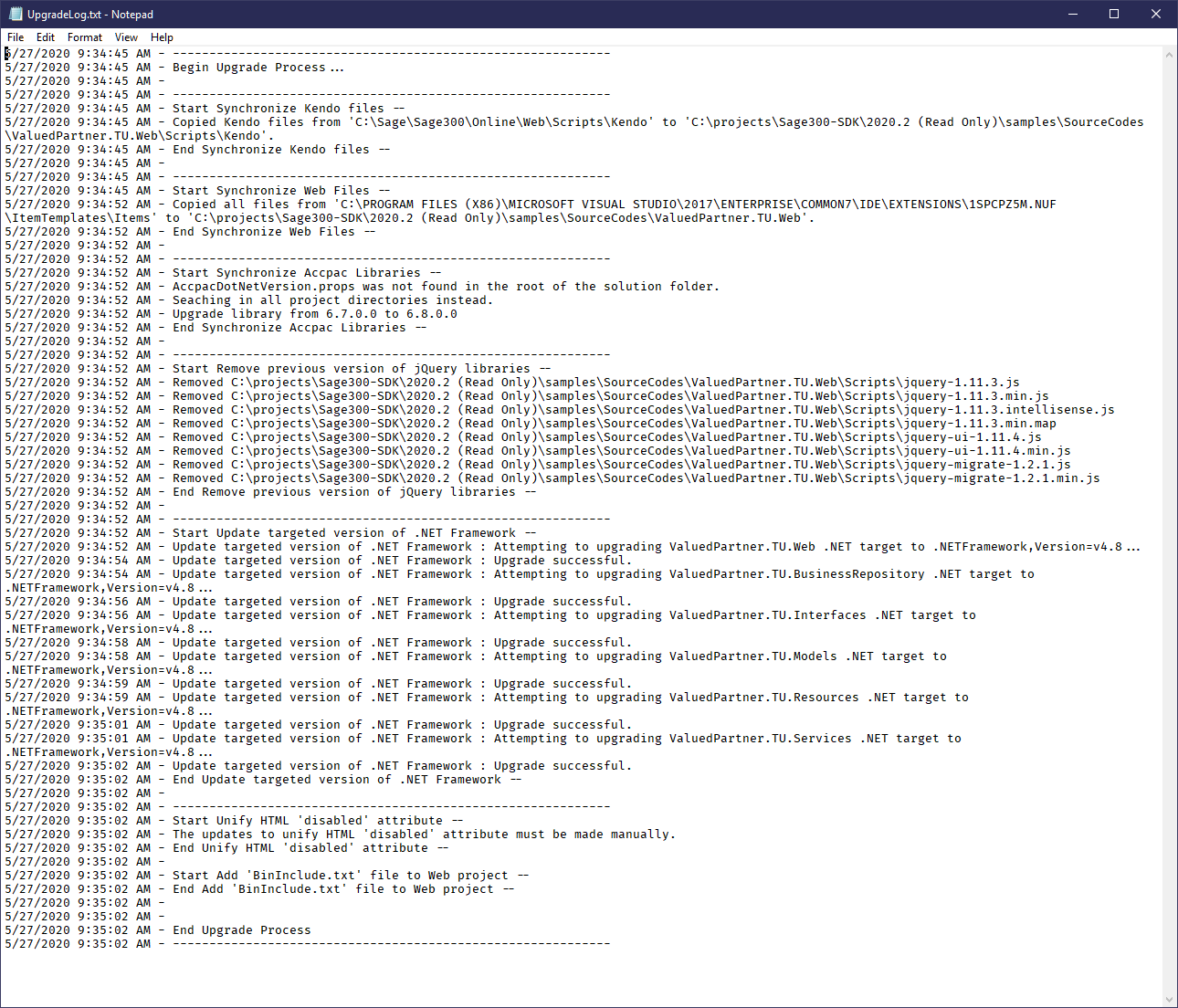
Click **Finish** to exit the wizard.

After the solution that supported Sage 300 2020.2 has been upgraded to support 2021.0, you need to reload and recompile the solution. For compilation troubleshooting, see the next section.

**Note:** Before running the new solution, clear the browser cache to replace cached JavaScript and CSS files.

1. Upgrade Log

Once the Upgrade Wizard has completed you have the option to ‘Show Log’ to view the upgrade log. The following is a screenshot of a typical upgrade log.



1. Unify HTML ‘disabled’ attribute changes

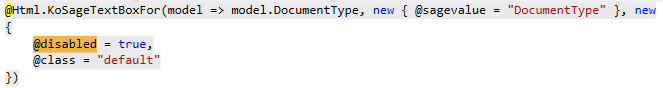
* **Files affected**

All cshtml files with Sage 300 HTML helper control defined that contains ‘disabled’ in the html attributes

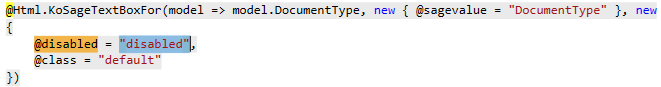
* **Description**

The value of the HTML ‘disabled’ attribute is not relevant to its behavior. The element will be disabled as long as the attribute is present, no matter what value is assigned to it, including true, false or any string. With respect to a third party’s request, we decide to standardize the pattern to be @disabled = “disabled”. Please see the following as an example:

* **Before Change**



* **After Change**



1. Including Extra Objects in Output

For release 2021.0, new functionality has been added to the MergeISVProject.exe utility that is used to help with deployment of partner web screen applications.

A new file named ‘**BinInclude.txt**’ has been added to the root of the solution Web project as well as to the Web project (.csproj) itself.

This is simply a text file that can contain a list of one or more files from the primary Web bin folder. These files, if specified, will be moved to the final deployment folder in addition to other files that are already deployed.

**Example**

If your application relys on two other objects that are not normally deployed, they can be specified in the BinInclude.txt file as follows:

* YourCompany.Utilities.dll
* YourCompany.License.dll

When your solution is built in ‘Release’ mode, the MergeISVProject utility will look for this special file (**BinInclude.txt**) in the root of the Web project folder and add the list of specified files to the list of files that will be copied to the ‘bin’ folder of the Sage 300 Web application and root folder of the Sage 300 Worker application.

1. Compilation Troubleshooting

**Parser Error when loading Web project in browser**

* Clean solution
* In Web project folder:
  + delete bin and obj folders
  + delete \*csproj.user file