Sage 300 Web Screens SDK

Upgrade Guide for 2020.1 to 2020.2

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Contents

[1. Overview 4](#_Toc34174703)

[1.1 Required Version of Sage 300 5](#_Toc34174704)

[2. Installing the Sage 300 Upgrade Wizard 6](#_Toc34174705)

[3. Accessing the Sage 300 2020.2 Upgrade Wizard 7](#_Toc34174706)

[4. Using the Sage 300 Upgrade Wizard 8](#_Toc34174707)

[4.1 Step 1 – Synchronize Kendo Files 9](#_Toc34174708)

[4.2 Step 2 – Synchronize Web Files 10](#_Toc34174709)

[4.3 Step 3 – Theme color changes 11](#_Toc34174710)

[4.4 Step 4 – Checkboxes and Radio buttons changes 12](#_Toc34174711)

[4.5 Step 5 – Upgrade Newtonsoft.Json package 13](#_Toc34174712)

[4.6 Step 6 – Confirmation 14](#_Toc34174713)

[4.7 Step 7 – Recompile 15](#_Toc34174714)

[5. Upgrade Log 16](#_Toc34174715)

[6. Theme Color changes 17](#_Toc34174716)

[7. Checkboxes and Radio buttons changes 18](#_Toc34174717)

[8. Upgrade Newtonsoft.Json package 19](#_Toc34174718)

[9. Compilation Troubleshooting 20](#_Toc34174719)

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 2020.1 to Web Screens SDK 2020.2.

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 2020.2 with the Web Screens option selected.

1. Installing the Sage 300 Upgrade Wizard

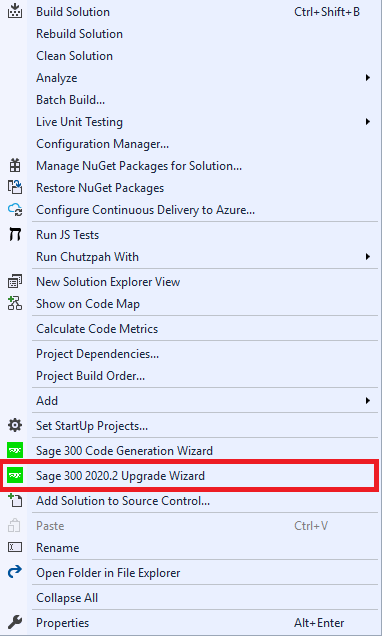
The Upgrade Wizard is a Visual Studio Plugin that was developed in Visual Studio 2017 and is compatible with Visual Studio 2017 and Visual Studio 2019.

**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).

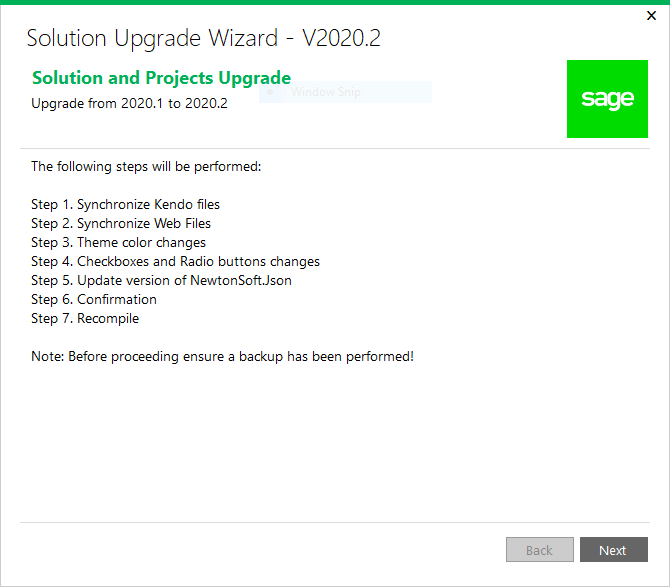
To install the wizard:

1. Run Sage300UpgradeWizardPackage.vsix.
2. Select the Install the Wizard Package option.
3. Accessing the Sage 300 2020.2 Upgrade Wizard

The **Sage 300 2020.2 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 2020.2 Upgrade Wizard.



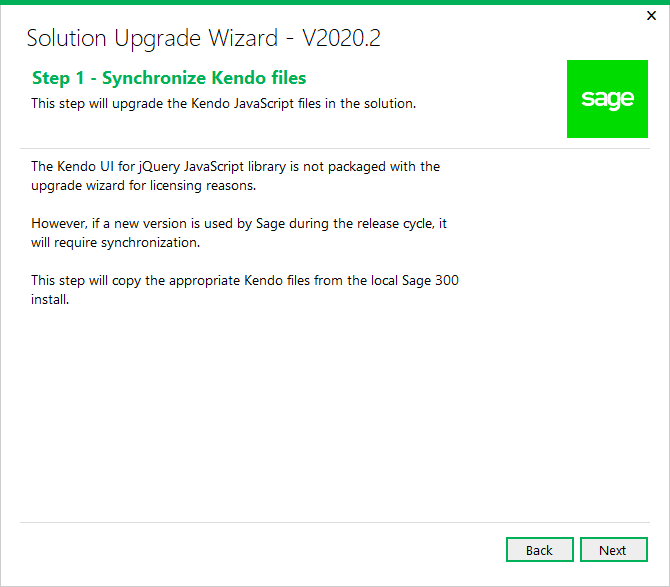
1. Using the Sage 300 Upgrade Wizard



**Important:** Please backup the solution and projects before proceeding with the upgrade.

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

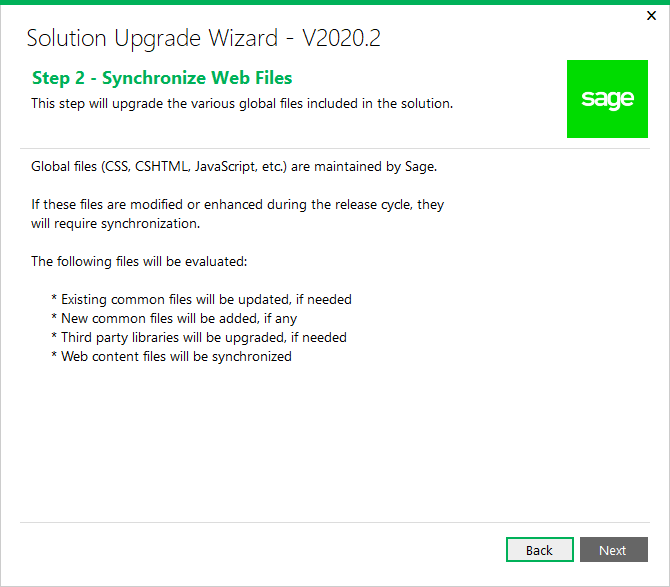
* 1. Step 1 – Synchronize Kendo Files



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.

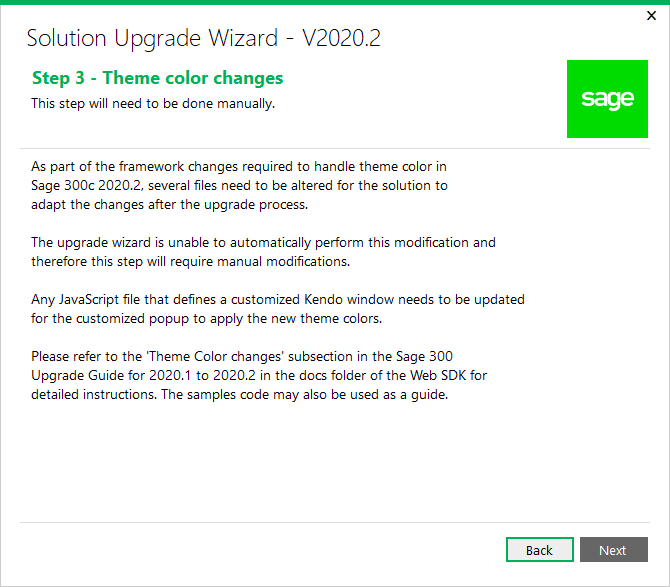
* 1. Step 2 – Synchronize Web Files



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.

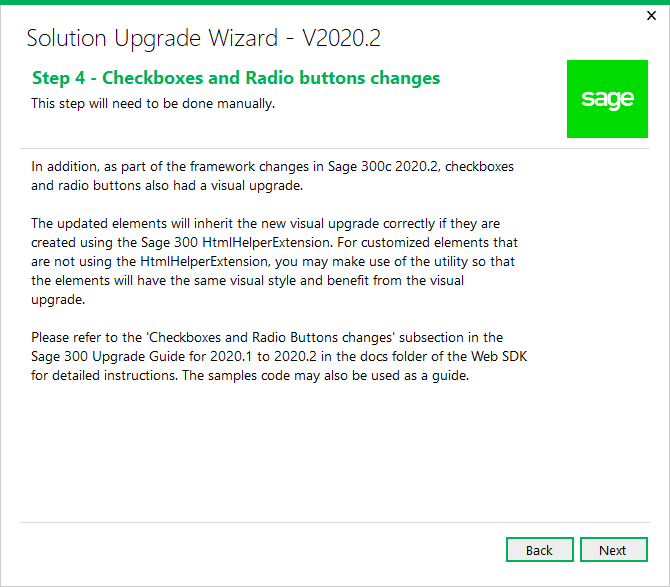
* 1. Step 3 – Theme color changes



This is simply an informational step. See Section 6 – Theme color changes for full details on the manual modifications required.

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

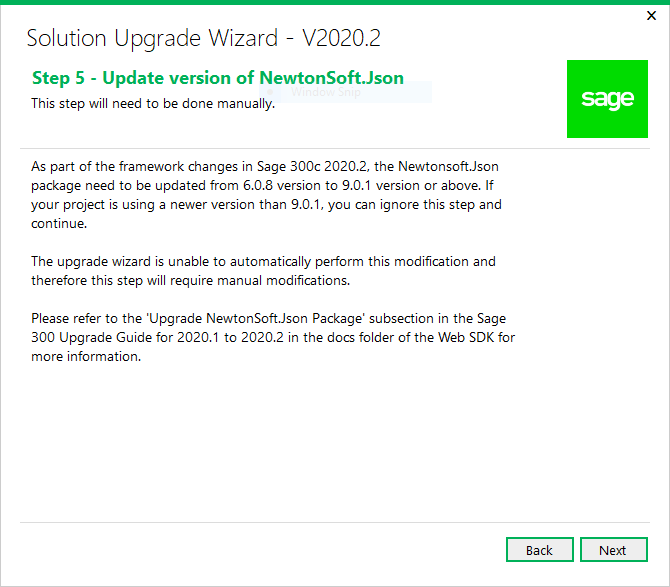
* 1. Step 4 – Checkboxes and Radio buttons changes



This is simply an informational step. See Section 7 –Checkboxes and Radio buttons changes for more details on the manual modifications required.

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

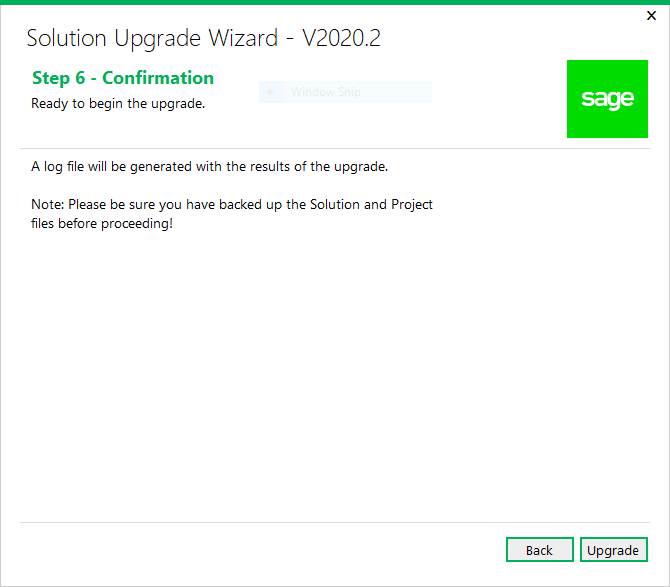
* 1. Step 5 – Upgrade Newtonsoft.Json package



This is simply an informational step. See Section 8 – 8. Upgrade Newtonsoft.Json package for more details on the manual modifications required.

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

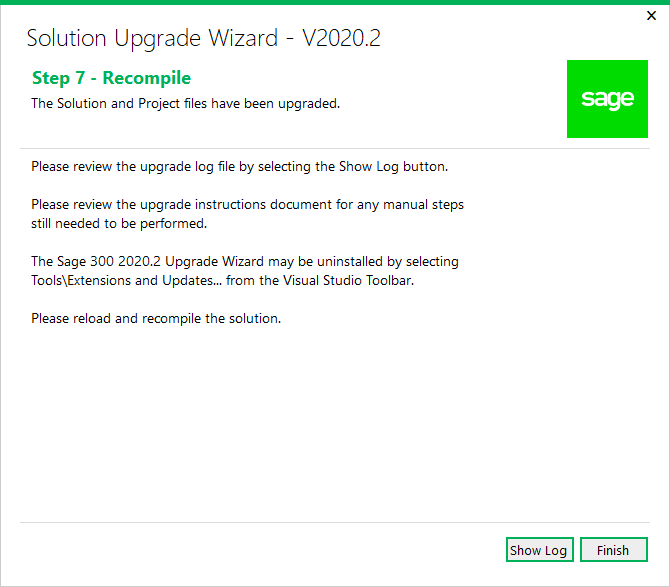
* 1. Step 6 – Confirmation



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 7 – 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.

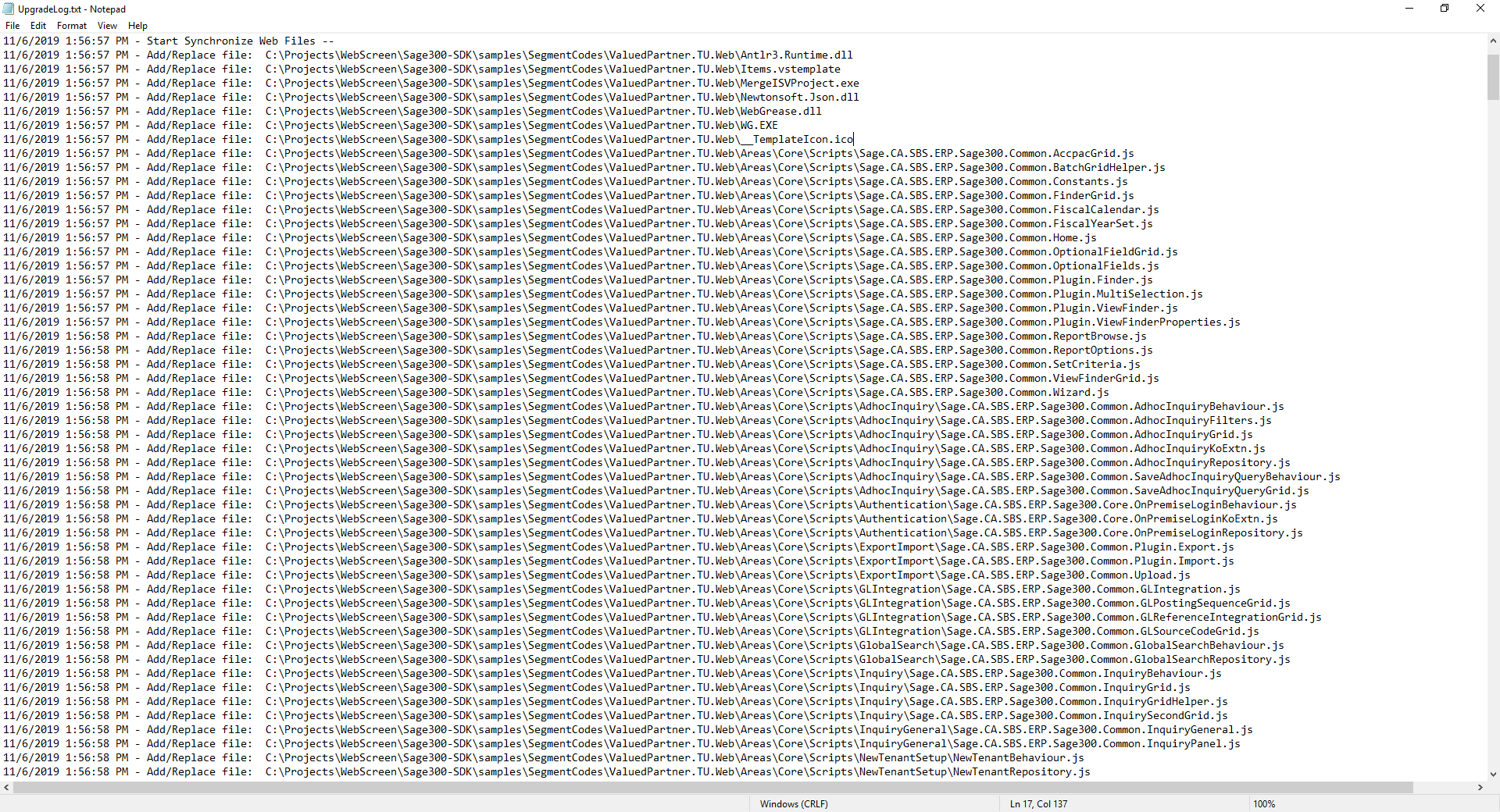
Click **Finish** to exit the wizard.

After the solution that supported Sage 300 2020.0 has been upgraded to support 2020.1, 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. Theme Color changes

* **Files affected**

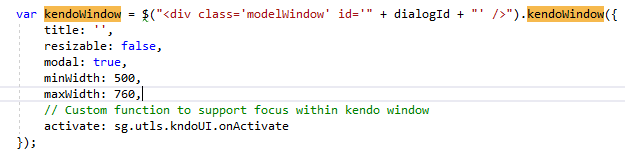
All the JavaScript files that have customized kendoWindow defined.

* **Description**

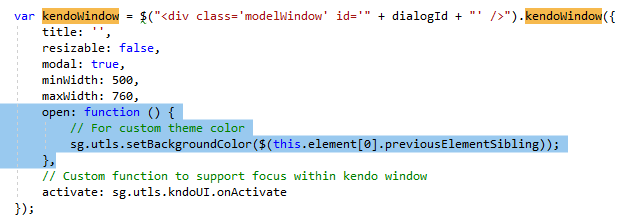
Add an open method to set the background color of the title of the popup window when the kendoWindow is opened (see example).

If the open function already declared, please add the setBackgroundColor function to it.

* **Before Change**



* **After Change**



1. Checkboxes and Radio buttons changes

* **Files affected**

All cshtml files that have customized checkboxes or radio buttons defined.

* **Description**

Checkboxes and radio buttons have been modified to ensure a consistent and pleasing appearance.

To gain the new visual update, please use the HTML helpers to create elements. An example is shown as below.

* **Example:**



**Note:** Please find more examples from the sample solutions.

1. Upgrade Newtonsoft.Json package

* **Files affected**

All the projects refencing Newtonsoft.Json with version 6.0.8

* **Description**

The Newtonsoft.Json package needs to be upgraded to 9.0.1 version or above to avoid referencing conflict. For projects referencing a newer version of the package, this step can be skipped.

Please refer to the Microsoft document on how to update NuGet packages. <https://docs.microsoft.com/en-us/nuget/consume-packages/install-use-packages-visual-studio>

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