Sage 300 Web Screens SDK

How To Update Wizard Templates

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1. Overview

This document is intended to serve as a guide for illustrating how to ensure that the templates that are bundled with the various wizards are up-to-date. These templates, usually in the form of a zip archives, are bundled with the Solution Wizard, Code Generation Wizard, Upgrade Wizard and Customization Wizard.

These template files contain Sage 300 Web Screen framework source code that matches the release that the Sage 300 SDK is intended to target. Usually these template files are updated at the end of the release cycle when the Sage 300 Web Screen codebase has been frozen with no more edits being allowed. This is done to ensure that the templates contain the latest versions of the framework source code. If framework source code is changed in the frozen release branch, the templates will have to be regenerated, and ultimately, the wizards will need to be rebuilt to ensure their templates are always up-to-date.

* 1. Target Audience

The target audience for this document are **internal** **Sage developers**. Our third-party development partners don’t have access to the Sage 300 framework source code so they will not be able to update the templates themselves.

* 1. Template Folder Locations

The following table outlines the folder locations for the templates shipped with the various wizards. The base folder for the following is **[Sage300SDKRootFolder]\src\wizards\Templates\**

|  |  |  |
| --- | --- | --- |
| Folder Name | Wizard | Description |
| **UIWizards\** | **Solution & Code Generation Wizards** |  |
| BusinessRepository |  | Folders and files used to build the **BusinessRepository** component |
| Interfaces |  | Folders and files used to build the **Interfaces** component |
| Models |  | Folders and files used to build the **Models** component |
| Resources |  | Folders and files used to build the **Resources** component |
| Sage300SolutionTemplate |  | Configuration file(s) used by the Solution wizard for generating a new solution |
| Services |  | Folders and files used to build the **Services** component |
| Web |  | Folders and files used to build the **Web** component |
|  |  |  |
| **UpgradeWizard\** | **Upgrade Wizard** |  |
| Items |  | Folders and files used when upgrading an existing Sage 300 Web Screen solution. The contents of this folder (and subfolders) are a sub-set of the Columbus-Web\Sage.CA.SBS.ERP.Sage300.Web\ folders, sub-folders and files. |
|  |  |  |
| **CustomizationWizard\** | **Customization Wizard** |  |
| Solution |  | Configuration file(s) used by the Customization wizard for scaffolding a Sage 300 MVC Customization application. |
| Web |  | Folders and files used when creating a new Sage 300 MVC Customization application. The contents of this folder (and subfolders) are a sub-set of the Columbus-Web\Sage.CA.SBS.ERP.Sage300.Web\ folders, sub-folders and files. |
|  |  |  |

Each of these folders contains a collection of windows batch files, powershell scripts and miscellaneous documentation (in the form of .txt and/or .md formats) and are outlined in the next section.

* 1. Template Folder Contents

Each root template folder

* UIWizards\
* UpgradeWizard\
* CustomizationWizard\

outlined in the previous section contains several windows batch files, PowerShell scripts and miscellaneous documentation used to maintain the files that are contained in each template. This section will outline what each of these files is used for.

|  |  |  |
| --- | --- | --- |
| Folder (or File) Name | Wizard | Description |
| **UIWizards\** | **Solution & Code Generation Wizards** | **The folder location for the templates that will be bundled with the Solution Wizard** |
| readme.txt |  | This documentation file outlines the steps involved with updating these templates. Read it first! |
| README.md |  | This documentation file serves a similar purpose as the previously described readme.txt file. It also describes how to build the various wizards. |
| CopyWebRepoFiles.bat |  | This is the primary bootstrapper batch file that drives the template update process for the Solution/Code Generation wizards. Prior to running this file, an environment variable called ‘**CNA2\_SOURCE\_ROOT**’ needs to be defined. This is the location of the Sage 300 Web Screen sources. The following is what this typically looks like: **CNA2\_SOURCE\_ROOT=c:\projects\SageAzureDev\** |
| psDeleteWebFiles.ps1 |  | This file called by the **CopyWebRepoFiles.bat** file described previously. It is used to first remove various folders and files from the ‘Web’ folder located at the same level as this powershell script file. |
| psCopyWebFiles.ps1 |  | This file called by the **CopyWebRepoFiles.bat** file described previously. It is used to copy various folders and files from the primary Sage 300 Web Screen project folder located elsewhere to the ‘Web’ folder located at the same level as this powershell script file. Once the files have been copied, some files located in the ‘WebForms’ sub-folder will be updated with some placeholder values. These values will later be replaced with the final values once the Solution Wizard has completed. |
| CreateTemplateZipFiles.bat |  | This file is used to create zip files for each of the content folders located in the same directory as this batch file. |
| MoveTemplateZipFilesToFinalDestination.bat |  | This file is used to copy the previously created template zip files to their final location: **[Sage300SDKRootFolder]**\src\wizards\Sage300UIWizardPackage\ProjectTemplates\. Once this batch file has been run, The Solution and Code Generation Wizards can be rebuild. |
| pszip.ps1 |  | This is a utility file used to create zip files from a powershell script |
|  |  |  |
| **UpgradeWizard\** | **Upgrade Wizard** | **The folder location for the templates that will be bundled with the Upgrade Wizard** |
| readme.txt |  | This documentation file outlines the steps involved with updating these templates. Read it first! |
| CopyWebRepoFiles.bat |  | This is the primary bootstrapper batch file that drives the template update process for the Upgrade Wizard. Prior to running this file, an environment variable called ‘**CNA2\_SOURCE\_ROOT**’ needs to be defined. This is the location of the Sage 300 Web Screen sources. The following is what this typically looks like: **CNA2\_SOURCE\_ROOT=c:\projects\SageAzureDev\** |
| psDeleteWebFiles.ps1 |  | This file called by the **CopyWebRepoFiles.bat** file described previously. It is used to first remove various folders and files from the ‘**Items**’ folder located at the same level as this powershell script file. |
| psCopyWebFiles.ps1 |  | This file called by the **CopyWebRepoFiles.bat** file described previously. It is used to copy various folders and files from the primary Sage 300 Web Screen project folder located elsewhere to the ‘**Items**’ folder located at the same level as this powershell script file. |
| CreateTemplateZipFiles.bat |  |  |
| MoveTemplateZipFilesToFinalDestination.bat |  | This file is used to copy the previously created template zip file (Items.zip) to it’s final location: **[Sage300SDKRootFolder]**\src\wizards\Sage300UpgradeWizard\Sage300UpgradeWizardPackage\ItemTemplates\ |
| pszip.ps1 |  | This is a utility file used to create zip files from a powershell script |
|  |  |  |
| **CustomizationWizard\** | **Customization Wizard** | **The folder location for the templates that will be bundled with the Customization Wizard** |
| readme.txt |  | This documentation file outlines the steps involved with updating these templates. Read it first! |
| CopyWebRepoFiles.bat |  | This is the primary bootstrapper batch file that drives the template update process for the Customization Wizard. Prior to running this file, an environment variable called ‘**CNA2\_SOURCE\_ROOT**’ needs to be defined. This is the location of the Sage 300 Web Screen sources. The following is what this typically looks like: **CNA2\_SOURCE\_ROOT=c:\projects\SageAzureDev\** |
| psDeleteWebFiles.ps1 |  | This file called by the **CopyWebRepoFiles.bat** file described previously. It is used to first remove various folders and files from the ‘**Web**’ folder located at the same level as this powershell script file. |
| psCopyWebFiles.ps1 |  | This file called by the **CopyWebRepoFiles.bat** file described previously. It is used to copy various folders and files from the primary Sage 300 Web Screen project folder located elsewhere to the ‘**Web**’ folder located at the same level as this powershell script file. |
| RebuildWebDotVstemplateFile.bat |  | This file is used to rebuild the Web.vstemplate file that lives in the ‘**Web**’ folder located at the same level as this batch file. Ensure that this is called **BEFORE** creating the new Web.zip file. This batch file relies on a helper application called ‘**WebTemplateGenerator.exe**’ located in the \bin\Utilities\WebTemplateGenerator\ folder. This application is responsible for the actual creation of the Web.vstemplate file. |
| CreateTemplateZipFiles.bat |  | This file is used to create zip files for each of the content folders located in the same directory as this batch file. |
| MoveTemplateZipFilesToFinalDestination.bat |  | This file is used to copy the previously created template zip files to their final location: **[Sage300SDKRootFolder]**\src\wizards\Customization\Sage300UICustomizationSolution\ProjectTemplates\ |
| pszip.ps1 |  | This is a utility file used to create zip files from a powershell script |

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