Sage 300 Web Screens SDK

MergeISVProject Utility

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1. Overview

The **MergeISVProject Utility** is a C# project developed in Visual Studio 2017 and is compatible with Visual Studio 2013, 2015 and 2017. It is used bundle up all necessary files from a partner solution, minify JavaScript files and optionally deploy to a local Sage 300 installation. The following sections will outline what the program does and how/when to call it.

|  |  |  |
| --- | --- | --- |
| **Required Parameters (Default prefix for parameters is --)** | | |
| **Parameter Name** | **Parameter Type and Meaning** | **Example Usage** |
| mode | Integer:  0 – Target a full visual studio solution.  1 – Target a single project | --mode=0 |
| solutionpath | String:  This is the fully-qualified path to the Microsoft Visual Studio Solution | --solutionpath=”$(SolutionDir)” |
| webprojectpath | String:  This is the fully-qualified path to the Microsoft Visual Studio Solution Web project | --webprojectpath=”$(ProjectDir)” |
| menufilename | String:  This is the name of the Sage 300 menu definition file name. | --menufilename=”TUMenuDetail.xml” |
| Buildprofile | String:  This is the Microsoft Visual Studio project build configuration. (only Release is currently supported) | --buildprofile=”$(ConfigurationName)” |
| dotnetframeworkpath | String:  This is the fully-qualified path to the Microsoft .NET framework containing the aspnet\_compile.exe program. | --dotnetframeworkpath=”$(FrameworkDir)$(FrameworkVersion)” |
|  | | |
| **Optional Parameters (Default prefix for parameters is --)** | | |
| **Parameter Name** | **Parameter Type and Meaning** | **Example Usage** |
| minify | Boolean Flag:  If specified, instructs program to minify javascript files. | --minify |
| nodeploy | Boolean Flag:  If specified, instructs program to NOT deploy files to the local Sage 300 installation. | --nodeploy |
| testdeploy | Boolean Flag:  If specified, instructs program to SIMULATE deployment to the local Sage 300 installation. | --testdeploy |
| log | Boolean Flag:  If specified, instructs the program to log operations to a log file for diagnostic purposes. | --log |

1. When to use this application

This application is automatically called during the post-build step of the Web project when building a Sage 300 solution. There is no need to call this application manually.

1. How to use this application

Upon generation of a new Sage 300 solution via the Sage 300 Solution Wizard, the Post-Build event of the <Namespace>.Web.csproj will contain the following:

<PropertyGroup>

<PostBuildEvent>

Call "$(ProjectDir)MergeISVProject.exe" --mode=0 --solutionpath="$(SolutionDir)"

--webprojectpath="$(ProjectDir)" --menufilename="$applicationid$MenuDetails.xml"

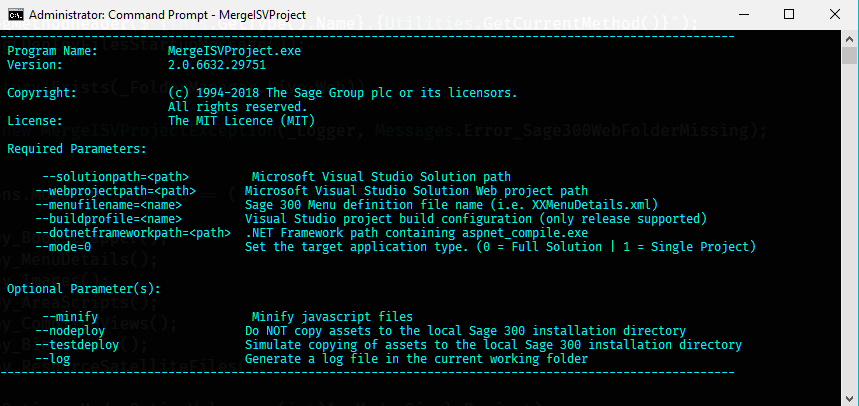
--buildprofile="$(ConfigurationName)" --dotnetframeworkpath="$(FrameworkDir)$(FrameworkVersion)" --minify --log

</PostBuildEvent>

</PropertyGroup>

Most of the parameters are automatically picked up from the Microsoft Visual Studio build environment and there is no need to change any of them.

Running the MergeISVProject.exe program without any command-line parameters will display help for the program. This is illustrated in the following screen-shot:



1. What does this program do?

This program performs the following steps:

|  |  |
| --- | --- |
| **Full Solution** | **Single Project** |
| Staging Phase Steps (Copy files to staging folder(s)) | |
| * Web Config * Areas * Bin * Compile Views * Bootstrapper * Menus * Minify Javascript Files (Optional Step) * Images * Resource Satellite Files | * Bin * Bootstrapper |
| Deploy Phase Steps (Optional) (Copy files to local Sage 300 installation) | |
| * Bootstrapper * Menu Details * Images * Area Scripts * Compiled Views * Bin Folders * Resource Satellite Files | * Bootstrapper * Bin Folders |