

CTC Web Services Generator

Version 1.0.0

ReadMe

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Prerequisites

The following software levels are required for the CTC Web Services Generator version 1.0.0 and the generated Web Adapter solution.

Microsoft Software requirements:

- .NET 4.5 or higher
- IIS 8.0 or higher (see note below on IIS Configuration)
- Visual Studio 2013 or
Visual Studio 2015 or
Visual Studio 2017 or
Visual Studio 2019 or
Visual Studio 2022

Unisys Software requirements:

- AB Suite 5.0 with CE 5.0 or
AB Suite 6.1 with CE 6.1 or
AB Suite 7.0 with CE 7.0 or
AB Suite 8.0 with CE 8.0

Install Instructions

Download the installation package CTCWebServicesGeneratorSetupV1.0.0.zip to your computer and save. Unzip and run the installation package and follow the instructions to install this release.

When generating a new bundle for the first time, all infrastructure files required will automatically be copied to the bundle views directory.

When upgrading from a previous version of the generator and local changes have been made to any of the generator infrastructure files, ensure you have a recent backup before installing the new version, as the generator infrastructure files may have changed.

When generating a bundle for the first time after upgrading to a newer version of the generator, all infrastructure files that have been changed since the last release will automatically be copied to the bundle views directory. If local changes have been made to any of the infrastructure files of the bundle, ensure you have a recent backup before generating the bundle.

Administrator privileges are required for installing the software.

Depending on the anti-virus software being used, it may be necessary to disable the anti-virus software while installing the generator.

Uninstall Instructions

Uninstall this package from Control Panel/Add or Remove Programs, select "CTC Web Services Generator 1.0.0" and follow the instructions.

If you have made changes to any of the infrastructure files or the sample Custom Controls project, ensure you have a recent backup of these files before you uninstall the CTC Web Services Generator.

Getting Started

To start the generator, set up a folder in AB Suite for Component Enabler and specify "**CTCWebServicesGenerate.dll**" as the name of the generator. For further instructions on how to set up a bundle/folder for Component Enabler, refer to the **Component Enabler User Guide** or the **CTC Web Services Generator** documentation.

Administrator privileges are required for running the CTC Web Services Generator.

When building the folder/bundle from the AB Suite Developer, it is recommended the 'Rebuild' option is always chosen, in order to ensure the configuration setting of the CTC Web Services Generator takes effect on all specs in the folder/bundle.

When performing partial builds (i.e. using the Build option rather than the Rebuild option) from AB Suite Developer, certain methods on the User Interface generator are not invoked by the AB Suite build environment. This means, the CTC Web Generator is not able to automatically reset IIS and compile the generated solution. In this case, the MSBuildSolution.bat file, located in the views directory of the generated bundle, must be run manually.

When starting the generator for the first time, a dialog prompting for a License Key will open. Cut and paste the License Key exactly as received from CTC, into the dialog. The License Key can also be entered using the CTC Configurator.

To configure the generator, start the **CTC Configurator** from the desktop shortcut created during the installation of the generator, or from the Start Menu/All Programs/CTC Software/CTC Configurator 2.0.3.

Downgrading to a Previous Version

When installing a previous/older version of the CTC Web Services Generator, you must first uninstall the current version from 'Programs and Features' or 'Add/Remove Products' in the Control Panel.

Installed Files

The following directories and files are installed:

[CEROOT]

- Bin
 - CTCWebServicesConfigurator.chm
 - CTCWebServicesConfigurator.dll
 - CTCWebServicesInfrastructureFiles.xml
 - CTCWebServicesStandardControls.dll
 - CTCWebServicesStandardControls.xml
 - CTCCConfigurator.chm
 - CTCCConfigurator.exe
 - CTCGeneratorConfig.xml
- CTC-Software
 - CTC Configurator
 - CTC Configurator Framework Help.pdf
 - CTC Web Services Generator
 - CTCWebServices-TestClient
 - Images
 - bar-horizontal.png
 - bar-vertical.png
 - Icon16x16.ico
 - Icon48x48.png
 - Scripts
 - MainUIApp.js
 - Styles
 - CTCStyleSheet.css
 - MainUIPage.html
 - Web.config
 - CustomControls
 - Properties
 - AssemblyInfo.cs
 - BooleanCustomTypeControl.cs
 - CTCWebServicesCustomControls-VS2013.csproj
 - CTCWebServicesCustomControls-VS2015.csproj
 - CTCWebServicesCustomControls-VS2017.csproj
 - CTCWebServicesCustomControls-VS2019.csproj
 - CTCWebServicesCustomControls-VS2022.csproj
 - EnumCustomTypeControl.cs
 - Documentation
 - CTC Web Services Configurator.pdf
 - CTC Web Services Generator.pdf
 - CTC Web Services Generator ReadMe.pdf
 - Views
 - Bin

- CTCWebServiceController.dll
- CTCWebServiceController.xml
- Newtonsoft.Json.dll
- WebServicesApplication
 - Properties
 - AssemblyInfo.cs
 - ServiceModels
 - ServiceModel.Custom.cs
 - Global.asax
 - Global.asax.cs
 - HostInterface.cs
 - IMetadataServices.cs
 - IWebServices.cs
 - MessageStrings.cs
 - MetadataServices.cs
 - Web.config
 - WebServices.svc
 - WebServices.svc.cs
 - WebServices_App-VS2013-451.csproj
 - WebServices_App-VS2015-46.csproj
 - WebServices_App-VS2017-472.csproj
 - WebServices_App-VS2019-48.csproj
 - WebServices_App-VS2022-48.csproj
- ABSuiteBundleRebuild.bat
- CTCWebServices-VS2013.sln
- CTCWebServices-VS2015.sln
- CTCWebServices-VS2017.sln
- CTCWebServices-VS2019.sln
- CTCWebServices-VS2022.sln
- DeploySolution.bat
- DeploySolutionStart.bat
- IISReset.bat
- MSBuildSolution-40.bat
- SetActiveConfiguration.bat
- SetActiveConfiguration.js

IIS Configuration

The CTC Web Services Generator requires the IIS 6 Management Compatibility Component to be installed for IIS in order for the generator to set up the virtual directory for the generated solution.

To install the IIS 6 Management Compatibility Components by using the Windows Control Panel:

1. Click **Start**, click **Control Panel**, click **Programs and Features**, and then click **Turn Windows features on or off**.
2. Open **Internet Information Services**.
3. Open **Web Management Tools**.
4. Open **IIS 6 Management Compatibility**.

5. Select the check box for **IIS 6 Metabase and IIS 6 configuration compatibility**.
6. Select the checkbox for **IIS 6 Management Console**.
7. Click **OK**.

Using the Web Services Test Client

The Web Services Test Client is an html web-based utility provided by CTC as part of the installation. When generating a bundle/folder for the first time, a short cut for starting the Test Client with either IE or Chrome is added to the views folder. To run the Test Client, double click on the short cut for your preferred browser.

Access Denied issue creating log file

With the Web.config parameter CTCWebSCLoggingEnabled set to true it has been experienced that access to and writing to the log file is denied. To resolve this issue, add the IIS_IUSRS account with Modify permissions to the folder configured for the log file.

.svc Extension Not Configured in IIS

When exposing the generated Web Services, IIS may return a '404.3 – Not found' or 'svc mime type not configured' message. This indicate the WCF HTTP component is not installed and registered with IIS.

To install and register the WCF HTTP component:

1. Click the Start button, and then click Control Panel.
2. Click Programs, and then click Programs and Features.
3. On the Tasks menu, click Turn Windows features on or off.
4. Find the '.NET Framework 4.8 Advanced Services/WCF Services' node and then expand it.
5. Select the 'Http Activation' Components box and save the setting.

Version History

V1.0.0	12/March/2020	Initial Release
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