

CTC WPF Client Generator

Version 1.0.0

ReadMe

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Prerequisites

The following software levels are required for the CTC WPF Client Generator version 1.0.0 and the generated user interface application.

Developer/Generate Workstation

- Microsoft Software requirements:
 - .NET 3.5 SP1 or higher
 - Visual Studio 2008 SP1
 - WPF Toolkit.
The WPF Toolkit can be downloaded from <http://wpf.codeplex.com/>. The CTC WPF Client Generator 1.0.0 has been tested with the June 2009 release of the toolkit.

- Unisys Software requirements:
 - EAE 3.3 with CE IC 3240 or higher with support for VS2005 and .NET 2.0.
 - Users of EAE 3.3 IC3260 or earlier, see CTC Software requirements below.
 - Users of EAE 3.3 IC3270 or later must be using CE 1.2 with the CE .NET Generate Environment enabled.
 - or
 - AB Suite 1.2 IC 1450 or higher with CE 1.2
 - or
 - AB Suite 2.0 with CE 2.0

- CTC Software requirements:
 - Users of EAE 3.3 IC 3260 or earlier must download and install the CTC Generate Gateway 1.0 software. The CTC Generate Gateway allows generators, such as the CTC generators, written in .NET and C# to be run from EAE Developer.

End User Workstation

- Microsoft Software requirements:
 - .NET 3.5 SP1 or higher.

- Unisys Software requirements:
 - Component Enabler version 1.0.1.0 including the CE .NET Feature Pack and IC 3240 or higher with support for VS2005 and .NET 2.0. This version of CE is required when using EAE 3.3 or AB Suite 1.2.
 - or
 - Component Enabler version 2.0.1000.1. This version of CE is required when using AB Suite 2.0.

As an alternative, to avoid installing Component Enabler on end user workstations, include the two dll's (CEDotNET.dll and CEWindowsAPI.dll) with the generated WPF UI Application. For further details see **Section 6 Deployment Options** of the **CTC WPF Client Generator** document.

Install Instructions

Download the installation package CTCWPFClientGeneratorSetupV1.0.0.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 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.

Uninstall Instructions

Uninstall this package from Control Panel/Add or Remove Programs, select "CTC WPF Client 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 WPF Client Generator.

Getting Started

To start the generator, set up a bundle in EAE 3.3 or a folder in AB Suite for Component Enabler and specify "**CTCWPFClientGenerate.dll**" as the name of the generator. For further instructions on how to setup a bundle/folder for Component Enabler, refer to the **Component Enabler User Guide** or the **CTC WPF Client Generator** documentation.

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 WPF Client Generator takes effect on all specs in the folder/bundle.

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 2.0.2.

To start the generated WPF User Interface Application, navigate to the release bin directory of the views directory of the generated application and start the .exe file. The location of the .exe is:

\views\[ApplicationName]_[BundleName]\bin\release\[ApplicationName]_[BundleName].exe

(i.e.: \views\sample_inquiry\bin\release\sample_inquiry.exe).

To request a License Key from CTC, start the CTC Configurator, navigate to 'Help/How To Obtain a License Key...' and follow the instructions.

Configuration File

The file containing the runtime configuration parameters is named WPFClientConfig.xml and is located in the application directory of the views directory of the generated bundle (i.e.:

\views\[ApplicationName]_[BundleName]\WPFClientConfig.xml)

During the build of the generated application, depending on the type of build, the configuration file will automatically be copied to either the Debug or the Release directory of the application bin directory. Therefore, if choosing to edit the configuration file manually, the file in the above mentioned location must be edited.

Installed Files

The following directories and files are installed:

[CEROOT]

- Bin
 - CTCWPFClientConfigurator.chm
 - CTCWPFClientConfigurator.dll
 - CTCWPFClientCustomControls.dll
 - CTCWPFClientGenerate.dll
 - CTCWPFClientInfrastructureFiles.xml

- CTCWPFClientStandardControls.dll
- CTCWPFClientStandardControls.xml
- CTCCConfigurator.chm
- CTCCConfigurator.exe
- CTCGeneratorConfig.xml
- CTC-Software
 - CTC WPF Client Generator
 - CustomControls
 - Properties
 - AssemblyInfo.cs
 - ChartingControl.cs
 - ClearFieldsButtonControl.cs
 - ClearFieldsButtonListControl.cs
 - CTCWPFClientCustomControls.csproj
 - DataGridControl.cs
 - DatePickerControl.cs
 - SliderControl.cs
 - TextBoxToButtonListControl.cs
 - Documentation
 - CTC WPF Client Configurator.pdf
 - CTC WPF Client Generator.pdf
 - CTC WPF Client Generator ReadMe.pdf
 - Views
 - Bin
 - CTCWPFCControls.dll
 - CTCWPFCControls.xml
 - CTCWPFStandardRuntime.dll
 - CTCWPFStandardRuntime.xml
 - CTCWPFExtendedRuntime
 - Properties
 - AssemblyInfo.cs
 - CTCExtendedIspecView.cs
 - CTCViewModelExtended.cs
 - CTCWPFExtendedRuntime.csproj
 - List_Row.cs
 - List_Row_Ext.cs
 - List_Row_Grid.cs
 - Images
 - blank.png
 - Lang
 - IspecView
 - Properties
 - AppIcon16x16.ico
 - AssemblyInfo.cs
 - Resources.Designer.cs
 - Resources.resx
 - Settings.Designer.cs
 - Settings.settings
 - IspecView.csproj
 - WPFApplication
 - Properties
 - AppIcon16x16.ico
 - AppIcon48x48.ico

- AppIcon48x48.png
 - AssemblyInfo.cs
 - Resources.Designer.cs
 - Resources.resx
 - Settings.Designer.cs
 - Settings.settings
 - App.xaml
 - App.xaml.cs
 - CommandConsole.xaml
 - CommandConsole.xaml.cs
 - CTCMessageBox.xaml
 - CTCMessageBox.xaml.cs
 - Language.xaml
 - Language.xaml.cs
 - LoginForm.xaml
 - LoginForm.xaml.cs
 - MainWindow.xaml
 - MainWindow.xaml.cs
 - MessageStrings.cs
 - SelectIspec.xaml
 - SelectIspec.xaml.cs
 - SplashScreen.xaml
 - SplashScreen.xaml.cs
 - SystemMessage.xaml
 - SystemMessage.xaml.cs
 - TransactionError.xaml
 - TransactionError.xaml.cs
 - WPFApplication.csproj
 - WPFClientConfig.xml
- WPFClientDownloads
 - IspecList.xml
- CTCWPFApplication.sln
- MSBuildSolution.bat
- CTC Configurator
 - CTC Configurator Framework Help.pdf

Known WPF Issues

1. When generating forms using the Charting Control from the WPF Toolkit, the WPF Designer in Visual Studio 2008 SP1 throws an unhandled exception when opening the WPF application. However this problem doesn't affect the running of the application. It is only an issue when opening the generated application in Visual Studio.
2. The WPF ComboBox control supports only the DropDown type and the DropDownList type. The Simple type, where the list normally would always be visible is not supported. Therefore, a ComboBox specified as Simple type is generated as the DropDown type.

CTC Generate Gateway Issue

Upgrading the CE environment de-installs the CTC Generate Gateway interface causing the CTC Silverlight Client Generator to stop working when running the generator from EAE 3.3. It is therefore required to re-install the CTC Generate Gateway after upgrading the CE environment. Re-run the CTC Generate Gateway Installer Package and select the 'Repair' option.

Version History

V1.0.0	30/November/2009	Initial Release