**WritePad® SDK for Microsoft Windows Release Notes**

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**Overview**

WritePad® is a natural, style, writer and lexicon independent multilingual handwriting recognition technology. WritePad SDK enables natural handwriting input in third party applications on pen and/or touch enabled mobile devices. The SDK includes:

* WritePad recognition engine in object code and dictionaries for English, French, German, Dutch, Danish, Italian, Portuguese, Norwegian, Finish, Swedish, and Spanish languages. Engine is compatible with the user-specified platform.
* C/C++ header files with definition of API calls and structures.
* Sample C#/XAML metro-style application with source code.
* Sample Desktop C# WPF application (.NET framework 4.0).
* Developer's Guide.

**WritePad SDK features**

* Recognizes natural handwritten text in a variety of handwriting styles: *cursive (script),* **PRINT**, and MIX*ed* (*cursive*/print).
* Recognizes dictionary words from its main or user-defined dictionary, as well as non-dictionary words, such as names, numbers and mixed alphanumeric combinations.
* Provides automatic segmentation of handwritten text into words and automatically differentiates between vocabulary and non-vocabulary words, and between words and arbitrary alphanumeric strings
* Does not require a user to train the software and allows for most users to achieve high accuracy right "out of the box".
* Reliably recognizes handwriting in 11 languages, including English (US, UK), French, Finnish, German, Italian, Dutch, Danish, Norwegian, Portuguese (Brazil and Portugal), Swedish, and Spanish languages.

**Directory structure**

* **Dictionaries** – contains WritePad dictionaries for all supported languages
* **Documentation** – contains WritePad SDK documentation and licensing agreements
* **WinRT\_CPPLayer** - contains the intermediate C++ library that should be used by managed applications.
* **Windows\_CPPLayer** - contains the intermediate C++ library that should be used by desktop applications.
* **lib-windows-metro** - contains WritePad static libraries compiled for ARM, x86 and x64 CPU's, for use by metro-style applications.
* **lib-windows** - contains WritePad static libraries compiled for x86 and x64 CPU's, for use by desktop applications.
* **WritePad\_CSharpSample** - sample C#/XAML metro-style project that demonstrates usage of the SDK.
* **WritePad\_WPFSample** - sample WPF desktop application that demonstrates usage of the SDK.
* **WritePad\_WinFormsSample** – sample Windows Forms application that demonstrates usage of the SDK.

**Compiling the sample project**

You should first compile the included **WinRT\_CPPLayer** project for the chosen CPU in Release mode. Then you can compile the **WritePad\_CSharpSample** project on the same CPU architecture in Release mode and run it.

To compile the WPF sample or Windows Forms sample, you should first compile the included **Windows\_CPPLayer** project for the chosen CPU in Release mode. Then you can compile the **WritePad\_WPFSample or WritePad\_WinFormsSample** project on the same CPU architecture in Release mode and run it.

You need **Visual Studio 2012** (any edition) to compile and run the included samples.

You can use the sample source code in your project when integrating with WritePad SDK. The sample source code is provided “AS-IS” without any warranties. For more information, see the license and warranty disclaimer at the beginning of each source file.

**Please note that a use the SDK sample code, or any portion of it, in an application that is not integrated with the WritePad SDK is stickily prohibited and will constitute violation of the WritePad SDK License Agreement**.