BCL easyConverter Word 5.0 for Linux and Mac

Introduction

BCL easyConverter Word SDK is a library for developers to convert PDF files into editable Microsoft Word and RTF formats.

The software package includes two independent modules, one for producing flow content, and another one for generating an absolutely positioned output. The difference between the two is that flow content contains paragraphs, lists and tables, while the absolutely positioned document consists of hard-wired coordinates for each word, which makes editing difficult. We recommend the flow content module for most of our customers.

> *Note: The absolute positioning module is not available on Mac version of easyConverter SDK.*

> *Note: The absolute positioning module can only generate RTF files. The flow version can produce DOC and RTF output.*

The Linux Version

The Linux version of easyConverter SDK is built under CentOS 7 64-bit, a free Linux that is compatible with RedHat Linux 7 and newer, Ubuntu Linux, and many other modern distributions. easyConverter SDK depends on Cairo Graphics 1.4.0 or newer, which is included in most modern versions of Linux. However, very old or special Linux distributions may require customization by BCL Technologies.

The SDK is distributed as a GZIP file, which you can unpack anywhere under your home directory. After extraction you will end up with the following directory structure:

```
easyConverter/
    readme.pdf
    include/
        EasyConverter.h
        EasyConverterAbsolutePosition.h
        EasyConverterCommon.h
    java/*
    lib/
        EasyConverter.jar
        EasyConverterAbsolutePosition.jar
        libEasyConverter.so
        libEasyConverterAbsolutePosition.so
        libpdfium.so
    share/
        easyConverter/
```

```
        cmaps/*
        Fonts/*
        easyConverter.ini
        easyConverter.rsc
        english.dic
    Samples/
        build.sh
        buildJava.sh
        PDF2WordBasic
        PDF2WordBasic.c
        PDF2WordBasic.class
        PDF2WordBasic.java
        PDF2WordBasicAbsolute.c
        PDF2WordBatch
        PDF2WordBatch.c
        runJava.sh
```

The "include" directory holds the C header files necessary for compilation. "EasyConverter.h" contains the declarations for the flow content module. "EasyConverterAbsolutePosition.h" is for producing an absolutely positioned output. "EasyConverterCommon.h" contains some common definitions used by both modules. You can #include these header files from any C or C++ code.

The "lib" directory is the place for the easyConverter binary objects. These are the dynamic library modules that you link to your own executable in order to use the SDK. "libEasyConverter.so" is responsible for the flow content. "libEasyConverterAbsolutePosition.so" implements the absolutely positioned output. You only have to link one of them, although it is perfectly fine to link both when required.

The "lib" directory also contains the compiled "Java" libraries. "EasyConverter.jar" is responsible for the flow content. "EasyConverterAbsolutePosition.jar" implements the fixed positioned output.

The "java" directory contains the full Java source code for the two .jar files. These are just very thin wrappers that call into the native C API.

The "share" directory contains important resource and configuration files necessary for the SDK to work properly. This includes Adobe character maps ("cmap"), TrueType font files ("Fonts"), the main product config file ("easyConverter.ini"), and a hyphenation dictionary ("english.dic").

The "Samples" directory includes some sample applications to demonstrate the usage of the SDK. "PDF2WordBasic" is the simplest possible CLI utility, which takes an input PDF file and creates an output DOCX. Basic error handling and progress indication are included. "PDF2WordBatch" is more complex command-line tool that is capable of batch processing.