

How to convert scanned PDF to CSV with PDF extractor SDK in C# with ByteScout PDF Suite

Learn to convert scanned PDF to CSV with PDF extractor SDK in C#

The sample shows instructions and algorithm of how to convert scanned PDF to CSV with PDF extractor SDK and how to make it run in your C# application. ByteScout PDF Suite can convert scanned PDF to CSV with PDF extractor SDK. It can be applied from C#. ByteScout PDF Suite is the set that includes 6 SDK products to work with PDF from generating rich PDF reports to extracting data from PDF documents and converting them to HTML. This bundle includes PDF (Generator) SDK, PDF Renderer SDK, PDF Extractor SDK, PDF to HTML SDK, PDF Viewer SDK and PDF Generator SDK for Javascript.

This prolific sample source code in C# for ByteScout PDF Suite contains various functions and other necessary options you should do calling the API to convert scanned PDF to CSV with PDF extractor SDK. IF you want to implement the functionality, just copy and paste this code for C# below into your code editor with your app, compile and run your application. Check C# sample code samples to see if they respond to your needs and requirements for the project.

You can download free trial version of ByteScout PDF Suite from our website with this and other source code samples for C#.

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Source Code Files:

```
using System.Diagnostics;
using Bytescout.PDFExtractor;

// This example demonstrates the use of Optical Character Recognition (OCR) to extract
// from scanned PDF documents and raster images.

// To make OCR work you should add the following references to your project:
// 'Bytescout.PDFExtractor.dll', 'Bytescout.PDFExtractor.OCRExtension.dll'.

namespace ScannedPdfToCSV
{
    class Program
    {
        static void Main(string[] args)
        {
            // Create Bytescout.PDFExtractor.CSVExtractor instance
            CSVExtractor extractor = new CSVExtractor();
            extractor.RegistrationName = "demo";
            extractor.RegistrationKey = "demo";

            // Load sample PDF document
            extractor.LoadDocumentFromFile("sample_ocr.pdf");

            // Enable Optical Character Recognition (OCR)
            // in .Auto mode (SDK automatically checks if needs to use OCR or not)
            extractor.OCRMode = OCRMode.Auto;

            // Set the location of OCR language data files
            extractor.OCRLanguageDataFolder = @"c:\Program Files\Bytescout PDF Extractor";

            // Set OCR language
            extractor.OCRLanguage = "eng"; // "eng" for english, "deu" for German, "fra" for French
            // Find more language files at https://github.com/bytescout/ocrdata

            // Set PDF document rendering resolution
            extractor.OCRResolution = 300;

            // You can also apply various preprocessing filters
            // to improve the recognition on low-quality scans.

            // Automatically deskew skewed scans
            //extractor.OCRImagePreprocessingFilters.AddDeskew();

            // Remove vertical or horizontal lines (sometimes helps to avoid OCR engine)
            //extractor.OCRImagePreprocessingFilters.AddVerticalLinesRemover();
            //extractor.OCRImagePreprocessingFilters.AddHorizontalLinesRemover();

            // Repair broken letters
            //extractor.OCRImagePreprocessingFilters.AddDilate();

            // Remove noise
            //extractor.OCRImagePreprocessingFilters.AddMedian();
        }
    }
}
```

```
// Apply Gamma Correction
//extractor.OCRImagePreprocessingFilters.AddGammaCorrection();

// Add Contrast
//extractor.OCRImagePreprocessingFilters.AddContrast(20);

// (!) You can use new OCRAnalyser class to find an optimal set of image p
// filters for your specific document.
// See "OCR Analyser" example.

// Save extracted text to file
extractor.SaveCSVToFile("output.csv");

// Cleanup
extractor.Dispose();

// Open result document in default associated application (for demo purpos
ProcessStartInfo processStartInfo = new ProcessStartInfo("output.csv");
processStartInfo.UseShellExecute = true;
Process.Start(processStartInfo);
    }
}
}
```

VIDEO

<https://www.youtube.com/watch?v=NEwNs2b9YN8>

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