

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

How to write a robust code in C# to convert scanned PDF to text with PDF extractor SDK with this step-by-step tutorial

Convert scanned PDF to text with PDF extractor SDK is simple to apply in C# if you use these source codes below. ByteScout PDF Suite is the bundle that provides six different SDK libraries 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 and you can use it to convert scanned PDF to text with PDF extractor SDK with C#.

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 text with PDF extractor SDK. Follow the instructions from scratch to work and copy the C# code. Further improvement of the code will make it more robust.

Our website gives trial version of ByteScout PDF Suite for free. It also includes documentation and source code samples.

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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 ScannedPdfToText
{
    class Program
    {
        static void Main(string[] args)
        {
            // Create Bytescout.PDFExtractor.TextExtractor instance
            TextExtractor extractor = new TextExtractor();
            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.SaveTextToFile("output.txt");

// Cleanup
extractor.Dispose();

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

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## VIDEO

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

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