

OCR with fast dataset with PDF extractor SDK in C# and ByteScout Premium Suite

Learn OCR with fast dataset with PDF extractor SDK in C#

This page helps you to learn from code samples for programming in C#. OCR with fast dataset with PDF extractor SDK in C# can be applied with ByteScout Premium Suite. ByteScout Premium Suite is the set that includes 12 SDK products from ByteScout including tools and components for PDF, barcodes, spreadsheets, screen video recording.

The below SDK samples describe how to quickly make your application do OCR with fast dataset with PDF extractor SDK in C# with the help of ByteScout Premium Suite. Just copy and paste this C# sample code to your C# application's code editor, add a reference to ByteScout Premium Suite (if you haven't added yet) and you are ready to go! Further improvement of the code will make it more robust.

ByteScout Premium Suite free trial version is available for download from our website. Free trial also includes programming tutorials along with source code samples.

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Source Code Files:

Program.cs

```

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 OCRExample
{
    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, "fre" for French
            // Find more language files at https://github.com/bytescout/ocrdata/tree/master

            // 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);
    }
}
}
```

VIDEO

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

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