

How to read text from noisy image with PDF extractor SDK in C# with ByteScout Premium Suite

Learn to read text from noisy image with PDF extractor SDK in C#

Source code documentation samples give simple and easy method to install a needed feature into your application. What is ByteScout Premium Suite? It is the set that includes 12 SDK products from ByteScout including tools and components for PDF, barcodes, spreadsheets, screen video recording. It can help you to read text from noisy image with PDF extractor SDK in your C# application.

Want to quickly learn? This fast application programming interfaces of ByteScout Premium Suite for C# plus the guidelines and the code below will help you quickly learn how to read text from noisy image 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. Further improvement of the code will make it more robust.

Trial version of ByteScout Premium Suite is available for free. Source code samples are included to help you with your C# app.

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Source Code Files:

```
using Bytescout.PDFExtractor;
using System;

namespace ReadTextFromNoisyImage
{
    class Program
    {
        static void Main(string[] args)
        {
            try
            {
                //Read all text from noisy image file
                using (TextExtractor extractor = new TextExtractor())
                {
                    // Load noisy image document
                    extractor.LoadDocumentFromFile("sample.png");

                    // Set the font repairing OCR mode
                    extractor.OCRMode = OCRMode.TextFromImagesAndVectorsAndRepairedFont;

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

                    // Set OCR language
                    extractor.OCRLanguage = "eng"; // "eng" for english, "deu" for German
                                                    // Find more language files at http://www.bytescout.com/ocr/

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

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

                    Console.WriteLine("Please wait while PDF Extractor is processing the image.");

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

                    // Remove vertical or horizontal lines (sometimes helps to avoid OCR errors)
                    //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
```

```
// filters for your specific document.
// See "OCR Analyser" example.

//Read all text
string allText = extractor.GetText();

Console.Clear();
Console.WriteLine("Extracted Text: \n\n" + allText);
    }
}
catch (Exception ex)
{
    Console.Clear();
    Console.WriteLine("Exception: " + ex.Message);
}

Console.ReadLine();
}
}
}
```

VIDEO

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

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