

## scanned PDF to CSV in VB.NET and ByteScout PDF Extractor SDK

### Tutorial: how to do scanned PDF to CSV in VB.NET

ByteScout tutorials explain the material for programmers who use VB.NET. ByteScout PDF Extractor SDK was made to help with scanned PDF to CSV in VB.NET. ByteScout PDF Extractor SDK is the Software Development Kit (SDK) that is designed to help developers with data extraction from unstructured documents like pdf, tiff, scans, images, scanned and electronic forms. The library is powered by OCR, computer vision and AI to provide unique functionality like table detection, automatic table structure extraction, data restoration, data restructuring and reconstruction. Supports PDF, TIFF, PNG, JPG images as input and can output CSV, XML, JSON formatted data. Includes full set of utilities like pdf splitter, pdf merger, searchable pdf maker.

This rich sample source code in VB.NET for ByteScout PDF Extractor SDK includes the number of functions and options you should do calling the API to implement scanned PDF to CSV. This VB.NET sample code should be copied and pasted into your application's code editor. Then just compile and run it to see how it works. Enjoy writing a code with ready-to-use sample VB.NET codes to add scanned PDF to CSV functions using ByteScout PDF Extractor SDK in VB.NET.

Trial version can be obtained from our website for free. It includes this and other source code samples for VB.NET.

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Source Code Files:

## Program.vb

```
Imports Bytescout.PDFExtractor
```

```
' This example demonstrates the use of Optical Character Recognition (OCR) to extract text  
' 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".
```

```
Class Program
```

```
    Friend Shared Sub Main(args As String())
```

```
        ' Create Bytescout.PDFExtractor.CSVExtractor instance  
        Dim extractor As 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 SDK"  
  
        ' 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's problems)  
        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 OCRAnalyzer class to find an optimal set of image prepro
' filters for your specific document.
' See "OCR Analyser" example.

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

' Cleanup
extractor.Dispose()

' Open output file in default associated application
System.Diagnostics.Process.Start("output.csv")

End Sub

End Class
```

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## VIDEO

[https://www.youtube.com/watch?v=s28W3\\_KMraU](https://www.youtube.com/watch?v=s28W3_KMraU)

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