

## How to convert scanned pdf to csv with pdf extractor sdk in VB.NET with ByteScout Data Extraction Suite

Learn to code in VB.NET to convert scanned pdf to csv with pdf extractor sdk with this step-by-step tutorial

Every ByteScout tool includes simple example VB.NET source codes that you can get here or in the folder with installed ByteScout product. ByteScout Data Extraction Suite can convert scanned pdf to csv with pdf extractor sdk. It can be applied from VB.NET. ByteScout Data Extraction Suite is the set that includes 3 SDK products for data extraction from PDF, scans, images and from spreadsheets: PDF Extractor SDK, Data Extraction SDK, Barcode Reader SDK.

Want to save time? You will save a lot of time on writing and testing code as you may just take the VB.NET code from ByteScout Data Extraction Suite for convert scanned pdf to csv with pdf extractor sdk below and use it in your application. Follow the instructions from scratch to work and copy the VB.NET code. This basic programming language sample code for VB.NET will do the whole work for you to convert scanned pdf to csv with pdf extractor sdk.

You can download free trial version of ByteScout Data Extraction Suite from our website to see and try many others 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=NEwNs2b9YN8>

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