

How to PDF text search API in C# using PDF.co Web API

Write code in C# to PDF text search API with this step-by-step tutorial

The sample source codes on this page shows how to PDF text search API in C#. PDF.co Web API can PDF text search API. It can be used from C#. PDF.co Web API is the Rest API that provides set of data extraction functions, tools for documents manipulation, splitting and merging of pdf files. Includes built-in OCR, images recognition, can generate and read barcodes from images, scans and pdf.

Fast application programming interfaces of PDF.co Web API for C# plus the instruction and the code below will help you quickly learn how to PDF text search API. This C# sample code is all you need for your app. Just copy and paste the code, add references (if needs to) and you are all set! You can use these C# sample examples in one or many applications.

You can download free trial version of PDF.co Web API from our website to see and try many others source code samples for C#.

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Source Code Files:

ByteScoutWebApiExample.sln

```

Microsoft Visual Studio Solution File, Format Version 12.00
# Visual Studio 2013
VisualStudioVersion = 12.0.40629.0
MinimumVisualStudioVersion = 10.0.40219.1
Project("{FAE04EC0-301F-11D3-BF4B-00C04F79EFBC}") = "ByteScoutWebApiExample", "ByteScoutWebApiExample.csproj", "{FAE04EC0-301F-11D3-BF4B-00C04F79EFBC}"
EndProject
Global
    GlobalSection(SolutionConfigurationPlatforms) = preSolution
        Debug|Any CPU = Debug|Any CPU
        Release|Any CPU = Release|Any CPU
    EndGlobalSection
    GlobalSection(ProjectConfigurationPlatforms) = postSolution
        {1E1C2C34-017E-4605-AE2B-55EA3313BE51}.Debug|Any CPU.ActiveCfg = Debug|Any CPU
        {1E1C2C34-017E-4605-AE2B-55EA3313BE51}.Debug|Any CPU.Build.0 = Debug|Any CPU
        {1E1C2C34-017E-4605-AE2B-55EA3313BE51}.Release|Any CPU.ActiveCfg = Release|Any CPU
        {1E1C2C34-017E-4605-AE2B-55EA3313BE51}.Release|Any CPU.Build.0 = Release|Any CPU
    EndGlobalSection
    GlobalSection(SolutionProperties) = preSolution
        HideSolutionNode = FALSE
    EndGlobalSection
EndGlobal

```

Program.cs

```

using System;
using System.IO;
using System.Net;
using Newtonsoft.Json.Linq;

namespace ByteScoutWebApiExample
{
    class Program
    {
        // The authentication key (API Key).
        // Get your own by registering at https://app.pdf.co/documentation/api
        const String API_KEY = "*****";

        // Direct URL of source PDF file.
        const string SourceFileUrl = "https://bytescout-com.s3.amazonaws.com/files/example.pdf";

        // Comma-separated list of page indices (or ranges) to process. Leave empty for all pages.
        const string Pages = "";

        // PDF document password. Leave empty for unprotected documents.
        const string Password = "";

        // Search string.
    }
}

```

```

const string SearchString = @"\d{1,}\.\d\d"; // Regular expression to
// Note: do not use `+` char in regex, but use `{1,}` instead.
// `+` char is valid for URL and will not be escaped, and it will become

// Enable regular expressions (Regex)
const bool RegexSearch = true;

static void Main(string[] args)
{
    // Create standard .NET web client instance
    WebClient webClient = new WebClient();

    // Set API Key
    webClient.Headers.Add("x-api-key", API_KEY);

    // Prepare URL for PDF text search API call.
    // See documentation: https://app.pdf.co/documentation/api/1.0/pdf/find.htm
    string query = Uri.EscapeUriString(string.Format(
        "https://api.pdf.co/v1/pdf/find?password={0}&pages={1}&url={2}&searchS
            Password,
            Pages,
            SourceFileUrl,
        SearchString,
        RegexSearch));

    try
    {
        // Execute request
        string response = webClient.DownloadString(query);

        // Parse JSON response
        JObject json = JObject.Parse(response);

        if (json["status"].ToString() != "error")
        {
            foreach (JToken item in json["body"])
            {
                Console.WriteLine($"{code}quot;Found text \"{item["text"]}\" at c
            }
        }
        else
        {
            Console.WriteLine(json["message"].ToString());
        }
    }
    catch (WebException e)
    {
        Console.WriteLine(e.ToString());
    }

    webClient.Dispose();

    Console.WriteLine();
    Console.WriteLine("Press any key...");
    Console.ReadKey();
}
}
}

```

packages.config

```
<?xml version="1.0" encoding="utf-8"?>  
<packages>  
  <package id="Newtonsoft.Json" version="10.0.3" targetFramework="net40" />  
</packages>
```

VIDEO

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

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