

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

This code in C# shows how to PDF text search API with this how to tutorial

Learn how to PDF text search API in C# with this source code sample. Want to PDF text search API in your C# app? PDF.co Web API is designed for it. PDF.co Web API is the flexible Web API that includes full set of functions from e-signature requests to data extraction, OCR, images recognition, pdf splitting and pdf splitting. Can also generate barcodes and read barcodes from images, scans and pdf.

C# code samples for C# developers help to speed up coding of your application when using PDF.co Web 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! Enjoy writing a code with ready-to-use sample C# codes.

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#.

C# - 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 = "*****";

        // Source PDF file
        const string SourceFile = @".\sample.pdf";

        // Comma-separated list of page indices (or ranges) to process. Leave empty
        for all pages. Example: '0,2-5,7-'.
        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 find
        numbers like '100.00'

        // 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 a space char on the server side.

```
// 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);

    // 1. RETRIEVE THE PRESIGNED URL TO UPLOAD THE FILE.
    // * If you already have a direct file URL, skip to the step 3.

    // Prepare URL for `Get Presigned URL` API call
    string query = Uri.EscapeUriString(string.Format(
        "https://api.pdf.co/v1/file/upload/get-presigned-url?
contenttype=application/octet-stream&name={0}",
        Path.GetFileName(SourceFile)));

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

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

        if (json["error"].ToObject() == false)
        {
            // Get URL to use for the file upload
            string uploadUrl = json["presignedUrl"].ToString();
            string uploadedFileUrl = json["url"].ToString();

            // 2. UPLOAD THE FILE TO CLOUD.
            webClient.Headers.Add("content-type", "application/octet-
stream");
            webClient.UploadFile(uploadUrl, "PUT", SourceFile); // You can
use UploadData() instead if your file is byte[] or Stream

            // 3. MAKE UPLOADED PDF FILE SEARCHABLE

            // Prepare URL for `PDF Text Search` API call
            // See documentation:
https://app.pdf.co/documentation/api/1.0/pdf/find.html
            query = Uri.EscapeUriString(string.Format(
                "https://api.pdf.co/v1/pdf/find?password={0}&pages=
{1}&url={2}&searchString={3}@exSearch={4}",
                Password,
                Pages,
                uploadedFileUrl,
                SearchString,
                RegexSearch));

            // Execute request
```

```

        response = webClient.DownloadString(query);

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

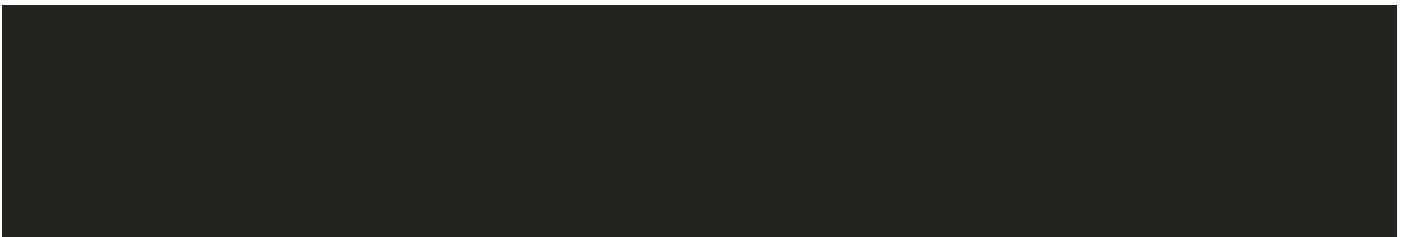
        if (json["error"].ToObject() == false)
        {
            foreach (JToken item in json["body"])
            {
                Console.WriteLine($"Found text \"{item["text"]}\" at
coordinates {item["left"]}, {item["top"]}");
            }
        }
        else
        {
            Console.WriteLine(json["message"].ToString());
        }
    }
    else
    {
        Console.WriteLine(json["message"].ToString());
    }
}
catch (WebException ex)
{
    Console.WriteLine(ex.ToString());
}

webClient.Dispose();

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

```

C# - packages.config



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[Read more about PDF.co Web API](#)

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[Visit \[www.ByteScout.com\]\(http://www.ByteScout.com\)](#)

or

[Get Your Free API Key for \[www.PDF.co\]\(http://www.PDF.co\) Web API](#)