www.bytescout.com

How to add text and images to PDF in Python using ByteScout Cloud API Server

How to write a robust code in Python to add text and images to PDF with this step-by-step tutorial

ByteScout simple and easy to understand tutorials are planned to describe the code for both Python beginners and advanced programmers. ByteScout Cloud API Server can add text and images to PDF. It can be applied from Python. ByteScout Cloud API Server is the ready to deploy Web API Server that can be deployed in less than thirty minutes into your own in-house Windows server (no Internet connnection is required to process data!) or into private cloud server. Can store data on in-house local server based storage or in Amazon AWS S3 bucket. Processing data solely on the server using built-in ByteScout powered engine, no cloud services are used to process your data!.

These Python code samples for Python guide developers to speed up coding of the application when using ByteScout Cloud API Server. This Python 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! Further improvement of the code will make it more robust.

All these programming tutorials along with source code samples and ByteScout free trial version are available for download from our website.

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Source Code Files:

AddTextToExistingPDF.py

```
import os
import requests # pip install requests

# Please NOTE: In this sample we're assuming Cloud Api Server is hosted at "https://localhost".
# If it's not then please replace this with with your hosting url.

# Base URL for PDF.co Web API requests
BASE_URL = "https://localhost"

# Direct URL of source PDF file.
SourceFileUrl = "https://bytescout-com.s3.amazonaws.com/files/demo-files/cloud-api/pdf-edit/sample.pdf"

#Comma-separated list of page indices (or ranges) to process. Leave empty for all pages. Example: '0,2-5,7-'.
Pages = ""

# PDF document password. Leave empty for unprotected documents.
Password = ""

# Destination PDF file name
DestinationFile = ".//result.pdf"

# Text annotation params
Type = "annotation"
X = 400
Y = 600
Text = "APPROVED"
FontName = "Times New Roman"
FontSize = 24
Color = "FF0000"


def main(args = None):
    addTextToExistingPDF(DestinationFile)

def addTextToExistingPDF(destinationFile):
    """Add Text using PDF.co Web API"""

    # Prepare URL for 'PDF Edit' API request
    url = "{}/pdf/edit/add?name={}&password={}&pages={}&url={}&type={}&x={}&y={}&text={}&fontname={}&size={}&col
        BASE_URL,
        os.path.basename(destinationFile),
        Password,
        Pages,
        SourceFileUrl,
        Type,
        X,
        Y,
        Text,
        FontName,
        FontSize,
        Color
    )

    # Execute request and get response as JSON
    response = requests.get(url, headers={ "content-type": "application/octet-stream" })
    if (response.status_code == 200):
        json = response.json()

        if json["error"] == False:
            #  Get URL of result file
            resultFileUrl = json["url"]
            # Download result file
            r = requests.get(resultFileUrl, stream=True)
            if (r.status_code == 200):
                with open(destinationFile, 'wb') as file:
                    for chunk in r:
                        file.write(chunk)
                print(f"Result file saved as \"{destinationFile}\" file.")
            else:
```

```
            print(f"Request error: {response.status_code} {response.reason}")
        else:
            # Show service reported error
            print(json["message"])
    else:
        print(f"Request error: {response.status_code} {response.reason}")

if __name__ == '__main__':
    main()
```

VIDEO

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

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