How to convert images to PDF from uploaded files for image to PDF API in Python using ByteScout Cloud API Server

Learn in simple ways: How to convert images to PDF from uploaded files for image to PDF API in Python

These simple tutorials explain the code material for beginners and advanced programmers who are using Python. Image to PDF API in Python can be applied with ByteScout Cloud API Server. ByteScout Cloud API Server is the ready to use Web API Server that can be deployed in less than 30 minutes into your own in-house server 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 buil-in ByteScout powered engine, no cloud services are used to process your data!.

The SDK samples displayed below below explain how to quickly make your application do image to PDF API in Python with the help of ByteScout Cloud API Server. Follow the tutorial and copy - paste code for Python into your project's code editor. Enjoy writing a code with ready-to-use sample Python codes to implement image to PDF API using ByteScout Cloud API Server.

ByteScout Cloud API Server - free trial version is available on our website. Also, there are other code samples to help you with your Python application included into trial version.

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Source Code Files:

ConvertImagesToPdfFromUploadedFiles.py

```python
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"

# Source image files
ImageFiles = [".\\image1.png", ".\\image2.jpg"]
# Destination PDF file name
DestinationFile = ".\\result.pdf"

# Container for uploaded image file's url
UploadedImageFileUrls = []

def main(args = None):

    for inpImage in ImageFiles:
        inp_upload_file_url = uploadFile(inpImage)
        UploadedImageFileUrls.append(inp_upload_file_url)


    if len(UploadedImageFileUrls) > 0:
        uploadedFileUrl = ",".join(UploadedImageFileUrls)
        convertImageToPDF(uploadedFileUrl, DestinationFile)

def convertImageToPDF(uploadedFileUrl, destinationFile):
    """Converts Image to PDF using PDF.co Web API"""

    # Prepare URL for 'Image To PDF' API request
    url = "{}/pdf/convert/from/image?name={}&url={}".format(
        BASE_URL,
        os.path.basename(destinationFile),
        uploadedFileUrl
    )

    # 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}")


def uploadFile(fileName):
    """Uploads file to the cloud"""

    # 1. RETRIEVE PRESIGNED URL TO UPLOAD FILE.

    # Prepare URL for 'Get Presigned URL' API request
    url = "{}/file/upload/get-presigned-url?contenttype=application/octet-stream&name={}".format(
        BASE_URL, os.path.basename(fileName))
```

```python
    # Execute request and get response as JSON
    response = requests.get(url)
    if (response.status_code == 200):
        json = response.json()

        if json["error"] == False:
            # URL to use for file upload
            uploadUrl = json["presignedUrl"]
            # URL for future reference
            uploadedFileUrl = json["url"]

            # 2. UPLOAD FILE TO CLOUD.
            with open(fileName, 'rb') as file:
                requests.put(uploadUrl, data=file, headers={ "content-type": "application/octet-stream" })

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

    return None


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

VIDEO

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

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