How to split PDF from uploaded file for PDF splitting API in Python and ByteScout Cloud API Server

Step-by-step tutorial:How to split PDF from uploaded file to have PDF splitting API in Python

Every ByteScout tool includes sample Python source codes that you can find here or in the folder with installed ByteScout product. ByteScout Cloud API Server helps with PDF splitting API in 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!.

Python code snippet like this for ByteScout Cloud API Server works best when you need to quickly implement PDF splitting API in your Python application. For implementation of this functionality, please copy and paste the code below into your app using code editor. Then compile and run your app. Check Python sample code examples to see if they respond to your needs and requirements for the project.

Our website provides free trial version of ByteScout Cloud API Server that gives source code samples to assist with your Python project.

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Source Code Files:

SplitPDFFromUploadedFile.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 PDF file
SourceFile = ".\\sample.pdf"
# Comma-separated list of page numbers (or ranges) to process. Example: '1,3-5,7-'.
Pages = "1-2,3-"


def main(args = None):
    uploadedFileUrl = uploadFile(SourceFile)
    if (uploadedFileUrl != None):
        splitPDF(uploadedFileUrl)


def splitPDF(uploadedFileUrl):
    """Split PDF using PDF.co Web API"""

    # Prepare URL for 'Split PDF' API request
    url = "{}/pdf/split?pages={}&url={}".format(
        BASE_URL,
        Pages,
        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:

            # Download generated PNG files
            part = 1

            for resultFileUrl in json["urls"]:
                # Download Result File
                r = requests.get(resultFileUrl, stream=True)

                localFileUrl = f"Page{part}.pdf"

                if r.status_code == 200:
                    with open(localFileUrl, 'wb') as file:
                        for chunk in r:
                            file.write(chunk)
                    print(f"Result file saved as \"{localFileUrl}\" file.")
                else:
                    print(f"Request error: {response.status_code} {response.reason}")

                part = part + 1
        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
```

```python
    url = "{}/file/upload/get-presigned-url?contenttype=application/octet-stream&name={}".format(
        BASE_URL, os.path.basename(fileName))

    # 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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