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

Learn to write code convert PDF to image from uploaded file for PDF to image API in Python: Simple How To Tutorial

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 to image API in Python. 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!.

Use the code displayed below in your application to save a lot of time on writing and testing code. This Python sample code can be used by copying and pasting into your project. Once done,just compile your project and click Run. This basic programming language sample code for Python will do the whole work for you in implementing PDF to image API in your app.

Trial version of ByteScout is available for free download from our website. This and other source code samples for Python and other programming languages are available.

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Source Code Files:

ConvertPdfToImageFromUploadedFile.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"

# Source PDF file
SourceFile = ".\\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 = ""

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


def convertPdfToImage(uploadedFileUrl):
    """Converts PDF To Image using PDF.co Web API"""

    # Prepare URL for 'PDF To PNG' API request
    url = "{}/pdf/convert/to/png?password={}&pages={}&url={}".format(
        BASE_URL,
        Password,
        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}.png"

                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
    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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