

How to convert PDF to JSON from uploaded file for PDF to JSON API in Python with ByteScout Cloud API Server

Follow this simple tutorial to learn convert PDF to JSON from uploaded file to have PDF to JSON API in Python

These source code samples are listed and grouped by their programming language and functions they use. ByteScout Cloud API Server was designed to assist PDF to JSON 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 connection 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 to JSON API in your Python application. This sample code in Python is all you need. Just copy-paste it to the code editor, then add a reference to ByteScout Cloud API Server and you are ready to try it! This basic programming language sample code for Python will do the whole work for you in implementing PDF to JSON API in your app.

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Source Code Files:

ConvertPdfToJsonFromUploadedFile.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 = ""
# Destination JSON file name
DestinationFile = ".\\result.json"

def main(args = None):
    uploadedFileUrl = uploadFile(SourceFile)
    if (uploadedFileUrl != None):
        convertPdfToJson(uploadedFileUrl, DestinationFile)

def convertPdfToJson(uploadedFileUrl, destinationFile):
    """Converts PDF To Json using PDF.co Web API"""

    # Prepare URL for 'PDF To Json' API request
    url = "{}/pdf/convert/to/json?name={}&password={}&pages={}&url={}".format(
        BASE_URL,
        os.path.basename(destinationFile),
        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:
            # 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))
```

```
# 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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