

How to PDF make searchable API in Python and ByteScout Cloud API Server

This code in Python shows how to PDF make searchable API with this how to tutorial

Source code documentation samples give simple and easy method to install a needed feature into your application. Want to PDF make searchable API in your Python app? ByteScout Cloud API Server is designed for it. ByteScout Cloud API Server is API server that is ready to use and can be installed and deployed in less than 30 minutes on your own Windows server or server in a cloud. It can save data and files on your local server-based file storage or in Amazon AWS S3 storage. Data is processed solely on the API server and is powered by ByteScout engine, no cloud services or Internet connection is required for data processing..

These Python code samples for Python guide developers to speed up coding of the application when using ByteScout Cloud API Server. Just copy and paste the code into your Python application's code and follow the instructions. If you want to use these Python sample examples in one or many applications then they can be used easily.

Trial version of ByteScout Cloud API Server is available for free. Source code samples are included to help you with your Python app.

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Source Code Files:

MakeSearchablePdfFromUrl.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-make-searchable/sample.p
# 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 = ""
# OCR language. "eng", "fra", "deu", "spa" supported currently. Let us know if you need more.
Language = "eng"
# Destination PDF file name
DestinationFile = ".\result.pdf"

def main(args = None):
    makeSearchablePDF(SourceFileURL, DestinationFile)

def makeSearchablePDF(uploadedFileUrl, destinationFile):
    """Make Uploaded PDF file Searchable using PDF.co Web API"""

    # Prepare URL for 'Make Searchable PDF' API request
    url = "{}/pdf/makesearchable?name={}&password={}&pages={}&lang={}&url={}".format(
        BASE_URL,
        os.path.basename(destinationFile),
        Password,
        Pages,
        Language,
        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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